FINAL ENVIRONMENTAL IMPACT REPORT

SDCRAA # EIR-06-01 State Clearinghouse No. 2005091105

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT

TECHNICAL APPENDICES VOLUME I: A, B, C, and D



Lead Agency:
SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY
P.O. Box 82776
San Diego, CA 92138-2776
www.san.org

April 2008

APPENDIX A

Notice of Preparation and Public and Agency
Outreach

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APPENDIX A Part I

Notice of Preparation (Revised January 2006) and Notice of Preparation (September 2005)

Subject: Notice of Preparation (Revised) of a Draft Environmental Impact Report

| Agency Name | San Diego County Regional Airport Authority |
|---------------|--|
| Mailing | P.O. Box 82776 |
| Address | San Diego, CA 92138-2776 |
| Physical | 3225 N. Harbor Drive |
| Address | San Diego, CA 92101 |
| Contact Ted A | nasis, AICP |

The San Diego County Regional Airport Authority (SDCRAA) will be the CEQA Lead Agency and will prepare an Environmental Impact Report (EIR) for the project identified below. We need to know the views of your agency as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval for the project.

The SDCRAA is requesting input from interested government and quasi-government agencies, other organizations and private citizens regarding the scope and content of environmental information to be included in the EIR. Public agencies receiving this notice may need to use the EIR prepared by the SDCRAA when considering their permits or other approvals for the proposed project.

Any public agencies that respond to this Notice of Preparation are requested, at a minimum, to:

- Describe significant environmental issues, reasonable alternatives and mitigation measures that they would like to have addressed in the Draft EIR.
- 2. State whether they are a responsible or trustee agency for the project, explain why and note the specific project elements that are subject to their regulatory authority.
- Provide the name, address and phone number of the person who will serve as their point of contact throughout the environmental review process for this project.

The project description, location and the potential environmental effects are contained in the attached materials.

Due to the time limits mandated by State law, your response must be sent at the earliest possible date but **not later than 30 days** after receipt of this notice.

Please send your response to Ted Anasis, AICP, at the mailing address shown above. We will need the name for a contact person in your agency.

| Projec | San Diego Ini | ternational Aliport Waster Flair | |
|---------|--------------------------|--|------------------|
| Projec | t Location: | City of San Diego | San Diego County |
| - | | City (nearest) | County |
| Projec | t Description: | | |
| See the | following description of | the proposed project and alternatives. | <i>1/1</i> . |
| Date | January 13, 2006 | Signature / Signature | Mrs |
| | | Title Manager, Airport Plann | ning |
| | | Telephone 619.400.2478 | |

Reference: California Code of Regulations, Title 14, (CEQA Guidelines) Sections 15082(a), 15103, 15375.

San Diego International Airport Master Plan Project Description

OF AUTHOR

January 2006

The San Diego County Regional Airport Authority has prepared a revised Notice of Preparation for a Draft Environmental Impact Report for the San Diego International Airport Master Plan. This revised Notice of Preparation amends the Notice of Preparation published on September 19, 2005. The text description has been revised in bold to explain additional project elements for ease of reading and continuity. The additional project elements that have been added to the Airport Implementation Plan are located in the north area of the airport and are identified with green numbers on Figures 3 and 4. The project elements in the north area will be evaluated in both the proposed Airport Implementation Plan and alternative for environmental impacts.

The San Diego County Regional Airport Authority (SDCRAA or Authority) proposes to develop the San Diego International Airport (SDIA) in accordance with a new Airport Master Plan. The Airport Master Plan will guide the development of SDIA through 2015. The Master Plan process takes into account the Airport Site Selection Program being conducted by SDCRAA to identify an alternative site to meet the region's air transportation needs. The year 2015 has been identified as the earliest time a new facility could be in place to replace SDIA. This time period also corresponds to the point at which operations at SDIA are forecasted to exceed runway capacity, creating congestion and incurring delay.

Regional Context—Airport Site Selection Program

The existing airport site is severely constrained by its location. The constraints associated with the Airport's site adjacent to Downtown San Diego, combined with the region's growth, resulted in a study, now known as the Airport Site Selection Program (ASSP), to determine the feasibility of relocating the region's primary commercial airport. Potential sites have been under continuous study since 2001, beginning with the Air Transportation Action Program (ATAP), a joint project of the San Diego Association of Governments (SANDAG) and the Port of San Diego. Upon the formation of the SDCRAA in January 2003, the responsibility for the ASSP shifted to the SDCRAA.

Originally, 32 sites were considered for the relocation of SDIA. The SDCRAA intends to consider nine civilian and military options together, gradually paring its list as more technical data and other information becomes available. The ASSP will be the subject of a separate environmental review process.

Current Conditions at SDIA

SDIA is located in the northwest portion of the Downtown area within the City of San Diego. It is bounded generally by West Laurel Street and North Harbor Drive to the south, McCain and Neville Roads to the west, the Marine Corps Recruit Depot to the north, and Pacific Highway to the east. Land in the airport vicinity is densely developed with a range of residential, commercial, industrial and open space uses.

SDIA is the smallest major airport site in the U.S., consisting of fewer than 700 acres. The Airport has one runway, making it the busiest single-runway commercial airport in the nation. SDIA's air service continues to grow based upon demand for air travel. In 2004, SDIA served 16.4 million passengers and handled 122,000 tons of cargo.

<u>Airfield.</u> The airfield consists of one runway (useable in both directions) and three primary taxiways. Runway 9-27 is 9,400 feet long and 200 feet wide. Taxiway B is south of, and parallel to, Runway 9-27 and runs the entire length of the runway. Taxiway C is north of, and

parallel to, the eastern half of Runway 9-27. Taxiway D extends from the southeast portion of the airfield to the north-central portion of the airfield at an approximate 30 degree angle to Runway 9-27.

At the western edge of the Airport adjacent to Terminal 2 is the former Naval Training Center (NTC) Property. A 52-acre parcel was conveyed to the Port of San Diego in 2000 and transferred to the SDCRAA as part of the transfer of airport control. The passenger terminal and landside complex is located east of the former NTC property and bounded on the north by Runway 9-27 and on the south by North Harbor Drive.

Terminal. The Airport terminal complex comprises four buildings: the Commuter Terminal, Terminal 1, Terminal 2 East, and Terminal 2 West. Terminals 1 and 2, which include 41 jet gates and other facilities, serve the passenger processing needs of commercial airline passengers. The Commuter Terminal has 10 parking positions for commuter aircraft and serves commuter traffic at SDIA. The ground transportation system located south of the terminals provides access roads, vehicle curbfronts and surface parking.

The Commuter Terminal is located in the south central portion of the airfield and accommodates most turbo-prop and regional jet flights to and from the Airport. Primarily, all commuter flights between San Diego and Los Angeles International Airport (LAX) are operated by United Express and American Eagle from this facility.

Terminal 1 is the oldest terminal facility at the Airport. It is located at the east end of the primary terminal area. Terminal 1 has 19 narrow body jet gates. Southwest Airlines. United Airlines. Alaska Airlines, Frontier Airlines, and Midwest Airlines presently serve Terminal 1.

Terminal 2 East is immediately west of Terminal 1. Terminal 2 East has 13 jet gates including two international gates located between Terminal 2 East and Terminal 1. All international arrival flights operate at Terminal 2 East, as well as the domestic operations of Northwest Airlines and American Airlines.

Terminal 2 West is the newest terminal facility at the Airport having opened in 1998. Terminal 2 West has nine jet gates and is served by Delta Airlines, Hawaiian Airlines, jetBlue Airways, Continental Airlines, US Airways, Sun Country Airlines, and West Jet. A new baggage claim facility is housed in Terminal 2 West that provides baggage claim for both Terminal 2 West and Terminal 2 East.

Ground Transportation. All roadway access to the Airport terminal complex is via North Harbor Drive. There are three independent entrance roadways for the Commuter Terminal. Terminal 1 and Terminal 2. There are approximately 6,800 total linear feet of curb front serving the three terminals from a single-level airport roadway. There are approximately 4,055 airportoperated surface parking spaces adjacent to these terminals. Access to the North Area of SDIA is via Pacific Highway at Washington Street and Sassafras Street. Over 1,600 additional remote, long-term, parking spaces are available at the SAN Park Pacific Highway parking lot located in the North Area.

Airport Support. North of Runway 9-27, SDIA provides apron area for air cargo loading and one general aviation Fixed Base Operator. There are freight forwarding cargo facilities totaling approximately 70,000 square feet located on the south side of the Airport between Terminal 1 and the Commuter Terminal. These are the only enclosed cargo sorting facilities located at the Airport. FedEx, UPS and other cargo carriers maintain their own off-airport sort facilities. Apron area for FedEx, DHL and other cargo aircraft is located in the north airfield area. UPS operates an apron aircraft parking position adjacent to the Commuter Terminal apron.

The Airport has an air traffic control tower (operated by the Federal Aviation Administration), an airport rescue and fire fighting facility (ARFF) and a fuel farm located in the north airfield area.

The Airport has a total of 19 Remain-Over-Night (RON) aircraft parking positions. Ten positions

are located adjacent to Taxiway C on the north airfield. The remaining nine positions are located adjacent to the terminal areas on the south airfield.

The San Diego International Airport Master Plan Goals and Forecast

The development of the SAN Master Plan was initiated by the SDCRAA to accommodate existing and future demand for air travel in the San Diego region through 2015. This is the time period when the ASSP will be completed and prior to the approximate time a new regional airport could be operational if the voters of San Diego County choose to approve one. The following goals and objectives have been set to guide future development at SDIA: 1) Improve air service and customer service; 2) Improve tenant facilities; 3) Improve airport access; 4) Utilize developable properties; 5) Improve the regional economy; 6) Meet SDCRAA financial goals; 7) Involve stakeholder and community input; 8) Improve terminal efficiency and capacity; 9) Increase airfield safety, efficiency and capacity; 10) Improve ground transportation efficiency and capacity; 11) Increase compatibility with surrounding land uses; and 12) Complement the Airport Site Selection Program (ASSP).

The SDCRAA prepared both constrained and unconstrained forecasts of aviation activity through 2030 that could be used for facilities planning and in evaluating airport improvements. The unconstrained forecast represents projections of how San Diego passenger demand, airline flights and other activity segments are likely to grow in the future, without consideration of the constraints on the growth that may be imposed by facility limitations at SDIA. The constrained forecast reflects the limitation of the existing SDIA facilities, specifically its single runway, and represents a projection of how aviation activity would grow if no additional runway capacity is provided. In this case, airfield congestion and aircraft operational delay grows at an increasing rate over time. By 2015, operational delays are forecasted to reach congestion levels that would limit further growth in airline flights without the addition of another runway at SDIA.

Proposed Project Components

The project to be evaluated in this EIR consists of two key components. The first is the Airport Land Use Plan and the second is implementation of specific projects contained in the Airport Master Plan, called the Airport Implementation Plan. Each is described as follows.

The Airport Land Use Plan depicts the boundaries of SDIA and describes existing and proposed land uses and future planning areas. For the Airport Land Use Plan, the Authority will describe programs for airport uses, request programmatic approvals and will follow with future project-specific environmental consideration. This approach will ensure that a responsible planning and mitigation program will be implemented at SDIA that considers the full range of development possibilities, cumulative impacts and mitigation opportunities. The Airport Implementation Plan is intended to provide project-level approvals for those elements that are to be developed at this time.

The regional location map for SDIA is depicted as **Figure 1**.

Airport Land Use Plan—Establish and Adopt Land Uses

The Authority proposes to adopt an Airport Land Use Plan that:

- Describes the boundaries of SDIA;
- Describes the land uses on this property; and
- Proposes future planning areas.

The Airport Land Use Plan will include a figure that depicts the properties under the planning jurisdiction of the Authority, **Figure 2**.

The Airport Land Use Plan will describe four general categories of land use on the airport: airfield, terminal, ground transportation and airport support. The Airport Land Use Plan will

describe existing and proposed land uses in areas that are under the Authority's control. The proposed land uses may include depictions of future facilities but subsequent environmental review will be required at a project-level before these future facilities are developed. In order to attain a programmatic level of approval for future development, the following general types of facilities and locations are depicted to analyze program and cumulative impacts and to develop mitigation measures that would:

- Designate land area for future Ground Transportation and Airport Support uses in the North Area;
- Construct new and replacement air cargo facilities in the North Area;
- Construct new and replacement general aviation facilities in the North Area;
- Construct new and relocated ground transportation facilities in the North Area;
- Relocate cargo aircraft parking positions in the North Area; and
- Remove aircraft movement obstructions south of Taxiway B adjacent to and within the Teledyne Ryan property.

The Airport Land Use Plan will also include future planning areas. These areas delineate properties that are not presently under the control of the Authority but are contemplated by the Authority to be used for future airport purposes and potential land uses. One such area is the former Teledyne Ryan property generally located between the Airport and North Harbor Drive, south of Taxiway B and east of the Commuter Terminal.

Proposed Airport Implementation Plan—Develop and Operate Project Components

The Authority has identified specific physical improvements at SDIA to allow the airport to effectively continue its mission of serving San Diego's commercial air transportation needs as forecasted through 2015. The project elements are described as follows and are depicted on **Figure 3**.

Expand existing Terminal 2 West with 10 new jet gates. Construct an addition to the existing Terminal 2 West that would include approximately 310,000 square feet of new space, 10 additional aircraft gates and approximately 1,350 lineal feet of new and reconfigured vehicle curb front on two levels. The new and reconfigured terminal space would be expanded on two floors for passenger processing facilities including airline ticketing, security screening, departure holdrooms, restrooms, concessions, public circulation and outbound baggage areas. existing Terminal 2 West baggage claim area would be reconfigured to improve service for arriving passengers and their baggage from both Terminal 2 West and Terminal 2 East. The additional aircraft gates would reduce existing crowding in Terminal 1 and accommodate passenger volumes forecasted through 2015 and would reduce severe crowding in all terminals expected from the growth in airport-wide traffic and flights. The proposed terminal expansion would also include an extension of the existing Terminal 2 West vehicle curb front used for pickup and drop-off of arriving and departing passengers. This project feature also includes a reconfiguration of the existing Terminal 2 curb front to improve automobile flow and passenger convenience. The new curb front system for Terminal 2 would vertically segregate arriving and departing vehicle traffic between the existing ground level and a new second level proposed as part of a new parking structure (described below).

Construct new aircraft parking and replacement Remain-Over-Night (RON) aircraft parking apron. This new aircraft parking apron would be constructed to accommodate up to 12 aircraft, including one wash rack area, adjacent to the new Terminal 2 West taxilane. Overnight aircraft would be moved to gates in the morning to resume flight routing.

<u>Construct new apron and aircraft taxilane</u>. This new aircraft apron pavement would be built adjacent to and west of the proposed aircraft gates at Terminal 2 West. It would be used as an

aircraft taxilane for aircraft to proceed between the runway and the new proposed gates. This project element would facilitate efficient aircraft movement on the west end of the terminal area and would include remediation and closure of an existing land fill on the project site area.

Construct new surface parking and vehicle circulation west of Terminal 2 West. New surface parking lots and vehicle circulation areas would be constructed west of Terminal 2 West to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging for taxis, airport shuttle vans and temporary public parking during the construction of the new parking structure south of Terminal 2 West. A roadway entrance for delivery trucks to drop off airport supplies and concessions and to remove refuse from the terminals would be included in the area west of Terminal 2 West.

Construct a new parking structure, departure curb and vehicle circulation serving Terminal 2. A new parking structure with a second level departure curb would be built to serve additional passengers using the new and reconfigured Terminal 2. This structure would be two to four levels with parking, departure curb and a transit center accommodating shuttles, buses, taxis and circulation lanes.

Additional Project Elements Included in Airport Implementation Plan

Relocate and reconfigure SAN Park Pacific Highway. The existing SAN Park Pacific Highway parking facility, approximately 1,670 public parking spaces, would be relocated and expanded to approximately 2,170 spaces to the north of the existing parking facility to accommodate construction of new airfield and general aviation facilities. The site would be bounded by Pacific Highway to the east and a new access road to the south and west. Access/egress to the parking facility would be provided from the new access road. The parking spaces currently utilized by the Port of San Diego, approximately 210 parking spaces, would remain in the existing location along Pacific Highway.

Construct a new access road from Sassafras Street/Pacific Highway intersection. A new access road would be constructed to provide access to SAN Park Pacific Highway and new general aviation facilities. The access road would utilize the existing Sassafras Street/Pacific Highway intersection and existing traffic signal. Underground utilities required for airport facilities including water, electric, sanitary sewer, and storm drains, would be constructed in conjunction with the access road and connect with existing utilities located along the Pacific Highway corridor.

Construct new general aviation facilities including access, terminal/hangars and apron. New general aviation facilities would be constructed on 12.4 acres to accommodate forecasted general aviation operations through 2015. General aviation uses must be relocated to allow for the construction of airfield/taxiway improvements and apron hold pads. New general aviation terminal/hangars and apron would be located immediately north of the taxiway improvements and provide access to the airfield for general aviation aircraft. Landside access for vehicles and parking would be provided from the new access road through the Sassafras Street/Pacific Highway intersection.

<u>Demolish the existing general aviation facilities.</u> The existing general aviation facilities would be demolished to accommodate airfield/taxiway improvements. The removal of subsurface structures and site remediation, including removal of existing underground storage tanks, would be conducted.

Reconstruct Taxiway C, construct new apron hold pads and new taxiway east of Taxiway D. The existing Taxiway C pavement would be rehabilitated and the taxiway centerline established 400 feet north of the Runway centerline to separate and accommodate the movement of Group V commercial aircraft. A new 195-foot wide aircraft apron and hold pads would be constructed north of Taxiway C and east of Taxiway D to allow aircraft to

hold for extended periods while awaiting departure, but also allowing aircraft movement to continue unimpeded on adjacent taxiways. A new parallel taxiway north of the new apron and east of Taxiway D would also be constructed. This taxiway would facilitate efficient and safe aircraft movement by allowing aircraft to bypass those on the apron and also provide airfield access to the new general aviation facilities.

Airport Implementation Plan Alternative

The Authority has identified an alternate build scenario that would allow the airport to effectively continue its mission of serving San Diego's commercial air transportation needs as forecasted through 2015. The project elements are described as follows and are depicted on **Figure 4**.

Construct new unit terminal with five replacement gates and seven new jet gates. Construction of a new unit terminal east of Terminal 1, approximately 320,000 square feet of new space, would include seven new aircraft gates plus five replacement gates, holdrooms, ticketing area, baggage claim, security screening, concessions and walkway. The additional aircraft gates would reduce existing crowding in Terminals 1 and 2 while accommodating passenger volumes forecasted through 2015. The proposed terminal expansion would also include a reconfiguration of the existing roadway to gain access to the vehicle curb.

Expand existing Terminal 2 West with three new jet gates. Expansion of the north end of Terminal 2 West passenger concourse to include approximately 30,000 square feet would accommodate three new gates and associated holdrooms. The total new gates for this build alternative would be ten new gates, the same as the proposed project.

<u>Relocate commuter aircraft to Terminal 1 and Terminal 2.</u> Commuter aircraft now operating out of the Commuter Terminal would be relocated to Terminal 1 and Terminal 2.

Construct new aircraft parking and replacement Remain-Over-Night (RON) aircraft parking apron. A new aircraft parking apron would be constructed to accommodate up to 10 aircraft, including one wash rack area, adjacent to the new Terminal 2 West taxilane. Overnight aircraft would be moved to gates in the morning to resume flight routing.

<u>Construct new apron and aircraft taxilane</u>. This new aircraft apron pavement would be built adjacent to and west of the proposed aircraft gates at Terminal 2 West. It would be used as an aircraft taxilane for aircraft to proceed between the runway and the proposed gates. This project element would facilitate efficient aircraft movement on the west end of the terminal area and would include remediation and closure of an existing land fill on the project site area.

Construct new surface parking and vehicle circulation west of Terminal 2 West. This new surface parking lot would be constructed to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging for taxis, airport shuttle vans and temporary public parking during the construction of the new parking structure south of Terminal 1. The same area would include a roadway entrance for delivery trucks to drop off airport supplies and concessions and to remove refuse from the terminals.

Construct new surface and structured parking and vehicle circulation at Terminal 1 and new unit terminal. A new surface parking lot and a new parking structure would be constructed to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging and temporary public parking during the construction of the new parking structure south of Terminal 1. The same area would include a roadway entrance for passenger vehicles accessing the new unit terminal.

Additional Project Elements Included in Airport Implementation Plan Alternative

Relocate and reconfigure SAN Park Pacific Highway. The existing SAN Park Pacific Highway parking facility, approximately 1,670 public parking spaces, would be relocated

and expanded to approximately 2,170 spaces to the north of the existing parking facility to accommodate construction of new airfield and general aviation facilities. The site would be bounded by Pacific Highway to the east and a new access road to the south and west. Access/egress to the parking facility would be provided from the new access road. The parking spaces currently utilized by the Port of San Diego, approximately 210 parking spaces, would remain in the existing location along Pacific Highway.

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Construct new general aviation facilities including access, terminal/hangars and apron. New general aviation facilities would be constructed on 12.4 acres to accommodate forecasted general aviation operations through 2015. General aviation uses must be relocated to allow for the construction of airfield/taxiway improvements and apron hold pads. New general aviation terminal/hangars and apron would be located immediately north of the taxiway improvements and provide access to the airfield for general aviation aircraft. Landside access for vehicles and parking would be provided from the new access road through the Sassafras Street/Pacific Highway intersection.

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Probable Environmental Effects of the Project

The EIR will include discussion on all CEQA environmental categories required for potential environmental effect determination. These categories include:

| Aesthetic/Visual | Minerals | Traffic/Circulation |
|---------------------------|-----------------|-----------------------|
| Agricultural Land | Noise | Vegetation |
| Air Quality | Public Services | Water Quality |
| Archaeological/Historical | Schools | Water Supply |
| Coastal Zone | Septic Systems | Wetland/Riparian |
| Economics | Sewer Capacity | Wildlife |
| Fire Hazard | Social | Growth Inducing |
| Flood/Drainage | Soil Erosion | Incompatible Land Use |
| Geologic/Seismic | Solid Waste | Cumulative Effects |
| Jobs/Housing Balance | Toxic/Hazardous | |

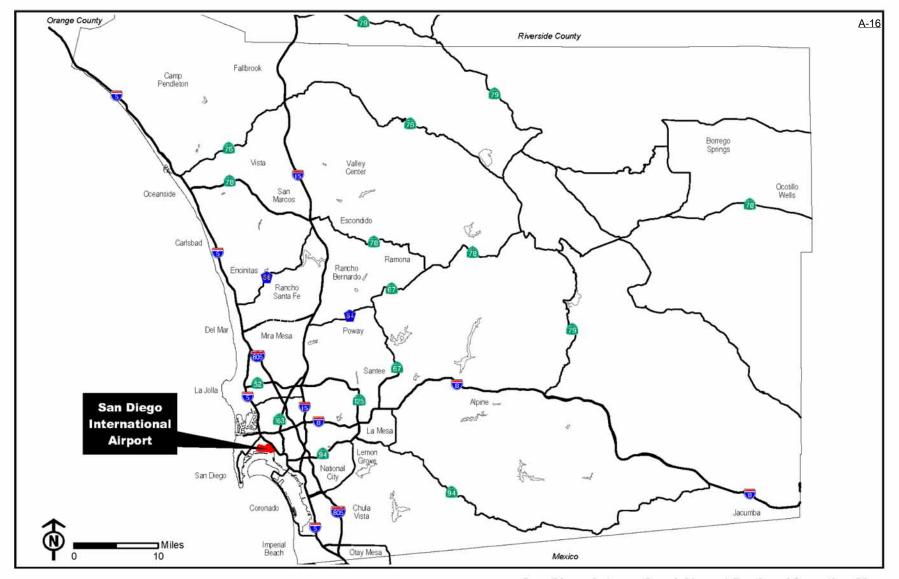
Based on a preliminary review of the Project site and in consideration of the proposed Project activities, the SDCRAA has determined that potentially adverse effects may occur to the following environmental resources as a result of the project:

- Aesthetic/Visual;
- Air Quality;
- Archaeological/Historical;
- Coastal Zone;
- Noise:
- Toxic/Hazardous;
- Traffic/Circulation;
- · Water Quality; and
- Cumulative Effects.

These potential effects will be analyzed in detail in the Draft EIR.

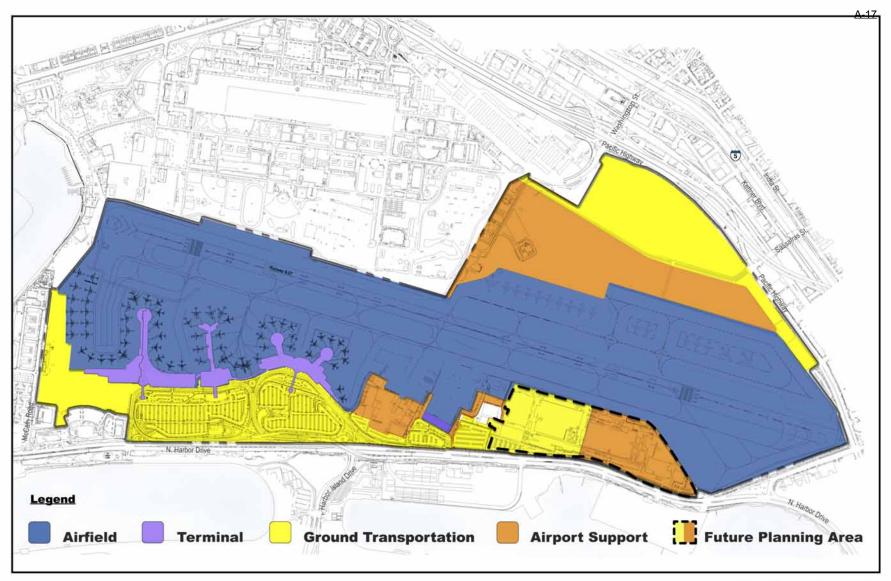
ATTACHMENTS:

- Figure 1 San Diego International Airport Regional Location Map
- Figure 2 Airport Land Use Plan
- Figure 3 Proposed Airport Implementation Plan
- Figure 4 Airport Implementation Plan Alternative



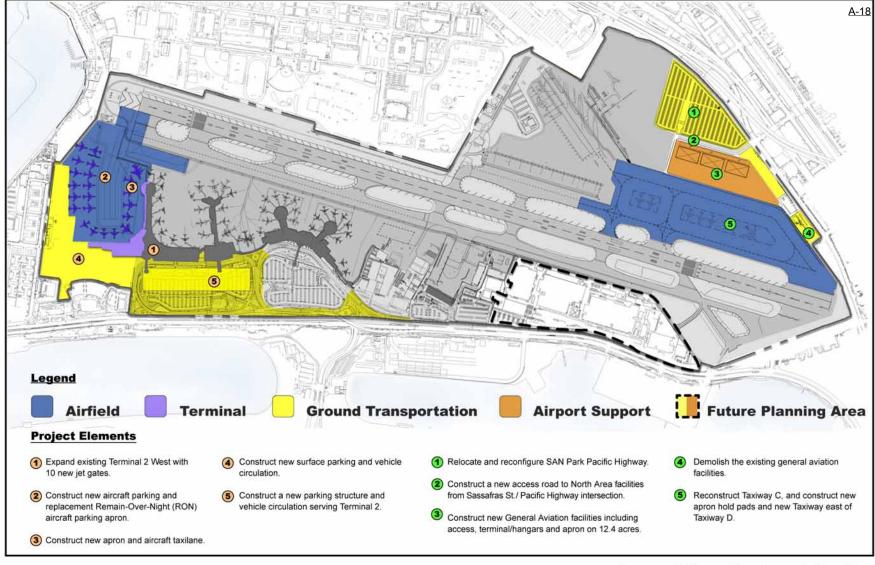


San Diego International Airport Regional Location Map Figure 1



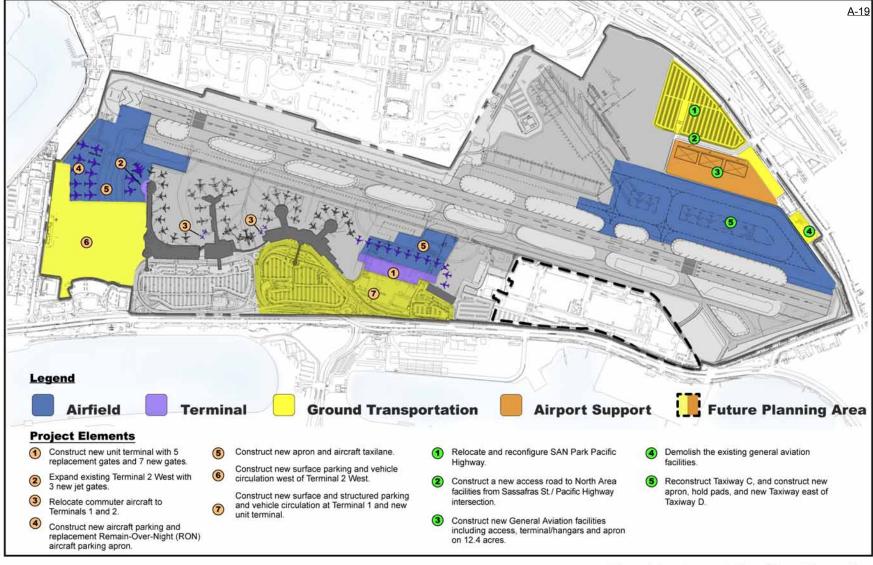


Airport Land Use Plan Figure 2





Proposed Airport Implementation Plan Figure 3





Airport Implementation Plan Alternative Figure 4

Subject: Notice of Preparation of a Draft Environmental Impact Report

| | of a Draft Environm | | |
|-------------------------|--|--|--|
| Lead Age | ency: San Diego County Regional Airport | Gregory J. Smith, Recorder/County Cler | |
| Agency N | | SEP 2 1 2005 | |
| Mailing Address | P.O. Box 82776 San Diego, CA 92138-2776 | - 01- | |
| Physical Address | 3225 N. Harbor Drive San Diego, CA 92101 | BY | |
| Contact _ | Ted Anasis, AICP | | |
| Environme and conter | ental Impact Report (EIR) for the project identified but of the environmental information that is germane project. Your agency will need to use the EIR prepare | RAA) will be the CEQA Lead Agency and will prepare an elow. We need to know the views of your agency as to the scope to your agency's statutory responsibilities in connection with the red by our agency when considering your permit or other approval | |
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| Due to the | · · · · · · · · · · · · · · · · · · · | ust be sent at the earliest possible date but not later than 30 days | |
| • | I your response to Ted Anasis, AICP, at the mailing | address shown above. We will need the name for a contact person | |
| Project Ti | itle: San Diego International Airport Master Plan | | |
| Project L | City of San Diego City (nearest) | San Diego County County | |
| Project D | escription: | County | |
| See the foll | owing description of the proposed project and altern | atives. | |
| Date Se | ptember 19, 2005 Signatu | re/hudre/ | |
| | Title | Manager, Airport Planning | |
| | Telepho | one 619.400.2478 | |
| Reference: | California Code of Regulations, Title 14, (CEQA G | uidelines) Sections 15082(a), 15103, 15375. | |
| | FILED IN THE OFFICE OF THE CO San Diego County on SEP 2.1.2 Posted SEP 2.1.2005 Removed Returned to agency on Deputy | UNTY CLERK | |
| | Commence of the contract of th | | |

San Diego International Airport Master Plan Project Description

September 2005



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Regional Context—Airport Site Selection Program

The existing airport site is severely constrained by its location. The constraints associated with the Airport's site adjacent to Downtown San Diego, combined with the region's growth, resulted in a study, now known as the Airport Site Selection Program (ASSP), to determine the feasibility of relocating the region's primary commercial airport. Potential sites have been under continuous study since 2001, beginning with the Air Transportation Action Program (ATAP), a joint project of the San Diego Association of Governments (SANDAG) and the Port of San Diego. Upon the formation of the SDCRAA in January 2003, the responsibility for the ASSP shifted to the SDCRAA.

Originally, 32 sites were considered for the relocation of SDIA. The SDCRAA intended to consider nine civilian and military options together, gradually paring its list as more technical data and other information became available. It has since suspended discussion of Marine Corps Air Station (MCAS) Miramar, Naval Air Station (NAS) North Island, and three other installations to avoid interfering with attempts to protect the region's military infrastructure through the federal Base Realignment and Closure (BRAC) process.

The ASSP will be the subject of a separate environmental review process.

Current Conditions at SDIA

SDIA is located in the northwest portion of the Downtown area within the City of San Diego. It is bounded generally by West Laurel Street and North Harbor Drive to the south, McCain and Neville Roads to the west, the Marine Corps Recruit Depot to the north, and Pacific Highway to the east. Land in the airport vicinity is densely developed with a range of residential, commercial, industrial and open space uses.

SDIA is the smallest major airport site in the U.S., consisting of fewer than 700 acres. The Airport has one runway, making it the busiest single-runway commercial airport in the nation. SDIA's air service continues to grow based upon demand for air travel. In 2004, SDIA served 16.4 million passengers and handled 122,000 tons of cargo.

<u>Airfield.</u> The airfield consists of one runway (useable in both directions) and three primary taxiways. Runway 9-27 is 9,400 feet long and 200 feet wide. Taxiway B is south of, and parallel to, Runway 9-27 and runs the entire length of the runway. Taxiway C is north of, and parallel to, the eastern half of Runway 9-27. Taxiway D extends from the southeast portion of the airfield to the north-central portion of the airfield at an approximate 30 degree angle to Runway 9-27.

At the western edge of the Airport adjacent to Terminal 2 is the former Naval Training Center (NTC) Property. A 52-acre parcel was conveyed to the Port of San Diego in 2000 and transferred to the SDCRAA as part of the transfer of airport control. The passenger terminal and landside complex is located east of the former NTC property and bounded on the north by Runway 9-27 and on the south by North Harbor Drive.

<u>Terminal.</u> The Airport terminal complex comprises four buildings: the Commuter Terminal, Terminal 1, Terminal 2 East, and Terminal 2 West. Terminals 1 and 2, which include 41 jet gates and other facilities, serve the passenger processing needs of commercial airline passengers. The Commuter Terminal has 10 parking positions for commuter aircraft and serves commuter traffic at SDIA. The ground transportation system located south of the terminals provides access roads, vehicle curbfronts and surface parking.

The Commuter Terminal is located in the south central portion of the airfield and accommodates most turbo-prop and regional jet flights to and from the Airport. Primarily, all commuter flights between San Diego and Los Angeles International Airport (LAX) are operated by United Express and American Eagle from this facility.

Terminal 1 is the oldest terminal facility at the Airport. It is located at the east end of the primary terminal area. Terminal 1 has 19 narrow body jet gates. Southwest Airlines, United Airlines, US Airways and Alaska Airlines presently serve Terminal 1.

Terminal 2 East is immediately west of Terminal 1. Terminal 2 East has 13 jet gates including two international gates located between Terminal 2 East and Terminal 1. All international arrival flights operate at Terminal 2 East, as well as the domestic operations of Northwest Airlines and American Airlines.

Terminal 2 West is the newest terminal facility at the Airport having opened in 1998. Terminal 2 West has nine jet gates and is served by Delta Airlines, Hawaiian Airlines, jetBlue Airways, Continental Airlines, America West Airlines, Frontier Airlines, Independence Air, Sun Country Airlines and West Jet. A new baggage claim facility is housed in Terminal 2 West that provides baggage claim for both Terminal 2 West and Terminal 2 East.

<u>Ground Transportation.</u> All roadway access to the Airport terminal complex is via North Harbor Drive. There are three independent entrance roadways for the Commuter Terminal, Terminal 1 and Terminal 2. There are approximately 6,800 total linear feet of curb front serving the three terminals from a single-level airport roadway. There are approximately 4,055 airport-operated surface parking spaces adjacent to these terminals. Access to the North Area of SDIA is via Pacific Highway at Washington Street and Sassafras Street. Over 1,600 additional remote, long-term, parking spaces are available at the SAN Park Pacific Highway parking lot located in the North Area.

<u>Airport Support.</u> North of Runway 9-27, SDIA provides apron area for air cargo loading and one general aviation Fixed Base Operator. There are freight forwarding cargo facilities totaling approximately 70,000 square feet located on the south side of the Airport between Terminal 1 and the Commuter Terminal. These are the only enclosed cargo sorting facilities located at the Airport. FedEx, UPS and other cargo carriers maintain their own off-airport sort facilities. Apron area for FedEx, DHL and other cargo aircraft is located in the north airfield area. UPS operates an apron aircraft parking position adjacent to the Commuter Terminal apron.

The Airport has an air traffic control tower (operated by the Federal Aviation Administration), an airport rescue and fire fighting facility (ARFF) and a fuel farm located in the north airfield area.

The Airport has a total of 19 Remain-Over-Night (RON) aircraft parking positions. Ten positions are located adjacent to Taxiway C on the north airfield. The remaining nine positions are located adjacent to the terminal areas on the south airfield.

The San Diego International Airport Master Plan Goals and Forecast

The development of the 2005 SAN Master Plan was initiated by the SDCRAA to accommodate existing and future demand for air travel in the San Diego region through 2015. This is the time period when the ASSP will be completed and prior to the approximate time a new regional airport could be operational if the voters of San Diego County choose to approve one. The following goals and objectives have been set to guide future development at SDIA: 1) Improve air service and customer service; 2) Improve tenant facilities; 3) Improve airport access; 4) Utilize developable properties; 5) Improve the regional economy; 6) Meet SDCRAA financial goals; 7) Involve stakeholder and community input; 8) Improve terminal efficiency and capacity; 9) Increase airfield safety, efficiency and capacity; 10) Improve ground transportation efficiency and capacity; 11) Increase compatibility with surrounding land uses; and 12) Complement the Airport Site Selection Program (ASSP).

The SDCRAA prepared both constrained and unconstrained forecasts of aviation activity through 2030 that could be used for facilities planning and in evaluating airport improvements. The unconstrained forecast represents projections of how San Diego passenger demand, airline flights and other activity segments are likely to grow in the future, without consideration of the constraints on the growth that may be imposed by facility limitations at SDIA. The constrained forecast reflects the limitation of the existing SDIA facilities, specifically its single runway, and represents a projection of how aviation activity would grow if no additional runway capacity is provided. In this case, airfield congestion and aircraft operational delay grows at an increasing rate over time. By 2015, operational delays are forecasted to reach congestion levels that would limit further growth in airline flights without the addition of another runway at SDIA.

Proposed Project Components

The project to be evaluated in this EIR consists of two key components. The first is the Airport Land Use Plan and the second is implementation of specific projects contained in the Airport Master Plan, called the Airport Implementation Plan. Each is described as follows.

The Airport Land Use Plan depicts the boundaries of SDIA and describes existing and proposed land uses and future planning areas. For the Airport Land Use Plan, the Authority will describe programs for airport uses, request programmatic approvals and will follow with future project-specific environmental consideration. This approach will ensure that a responsible planning and mitigation program will be implemented at SDIA that considers the full range of development possibilities, cumulative impacts and mitigation opportunities. The Airport Implementation Plan is intended to provide project-level approvals for those elements that are to be developed at this time.

The regional location map for SDIA is depicted as Figure 1.

Airport Land Use Plan—Establish and Adopt Land Uses

The Authority proposes to adopt an Airport Land Use Plan that:

- Describes the boundaries of SDIA;
- Describes the land uses on this property; and
- Proposes future planning areas.

The Airport Land Use Plan will include a figure that depicts the properties under the planning jurisdiction of the Authority, **Figure 2**.

The Airport Land Use Plan will describe four general categories of land use on the airport: airfield, terminal, ground transportation and airport support. The Airport Land Use Plan will describe existing and proposed land uses in areas that are under the Authority's control. The proposed land uses may include depictions of future facilities but subsequent environmental

review will be required at a project-level before these future facilities are developed. In order to attain a programmatic level of approval for future development, the following general types of facilities and locations are depicted to analyze program and cumulative impacts and to develop mitigation measures that would:

- Designate land area for future Ground Transportation and Airport Support uses in the North Area;
- Construct new and replacement air cargo warehouses in the North Area;
- Construct new and replacement general aviation facilities in the North Area;
- Construct new and relocated ground transportation facilities in the North Area;
- Relocate cargo aircraft parking positions in the North Area; and
- Remove aircraft movement obstructions south of Taxiway B adjacent to and within the Teledyne Ryan property.

The Airport Land Use Plan will also include future planning areas. These areas delineate properties that are not presently under the control of the Authority but are contemplated by the Authority to be used for future airport purposes and potential land uses. One such area is the former Teledyne Ryan property generally located between the Airport and North Harbor Drive, south of Taxiway B and east of the Commuter Terminal.

Proposed Airport Implementation Plan—Develop and Operate Project Components

The Authority has identified specific physical improvements at SDIA to allow the airport to effectively continue its mission of serving San Diego's commercial air transportation needs as forecasted through 2015. The project elements are described as follows and are depicted on **Figure 3**.

Expand existing Terminal 2 West with 10 new jet gates. Construct an addition to the existing Terminal 2 West that would include approximately 310,000 square feet of new space. 10 additional aircraft gates and approximately 1,350 lineal feet of new and reconfigured vehicle curb front on two levels. The new and reconfigured terminal space would be expanded on two floors for passenger processing facilities including airline ticketing, security screening, departure holdrooms, restrooms, concessions, public circulation and outbound baggage areas. existing Terminal 2 West baggage claim area would be reconfigured to improve service for arriving passengers and their baggage from both Terminal 2 West and Terminal 2 East. The additional aircraft gates would reduce existing crowding in Terminal 1 and accommodate passenger volumes forecasted through 2015 and would reduce severe crowding in all terminals expected from the growth in airport-wide traffic and flights. The proposed terminal expansion would also include an extension of the existing Terminal 2 West vehicle curb front used for pickup and drop-off of arriving and departing passengers. This project feature also includes a reconfiguration of the existing Terminal 2 curb front to improve automobile flow and passenger convenience. The new curb front system for Terminal 2 would vertically segregate arriving and departing vehicle traffic between the existing ground level and a new second level proposed as part of a new parking structure (described below).

Construct new aircraft parking and replacement Remain-Over-Night (RON) aircraft parking apron. This new aircraft parking apron would be constructed to accommodate up to 12 aircraft, including one wash rack area, adjacent to the new Terminal 2 West taxilane. Overnight aircraft would be moved to gates in the morning to resume flight routing.

<u>Construct new apron and aircraft taxilane</u>. This new aircraft apron pavement would be built adjacent to and west of the proposed aircraft gates at Terminal 2 West. It would be used as an aircraft taxilane for aircraft to proceed between the runway and the new proposed gates. This

project element would facilitate efficient aircraft movement on the west end of the terminal area and would include remediation and closure of an existing land fill on the project site area.

Construct new surface parking and vehicle circulation west of Terminal 2 West. New surface parking lots and vehicle circulation areas would be constructed west of Terminal 2 West to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging for taxis, airport shuttle vans and temporary public parking during the construction of the new parking structure south of Terminal 2 West. A roadway entrance for delivery trucks to drop off airport supplies and concessions and to remove refuse from the terminals would be included in the area west of Terminal 2 West.

Construct a new parking structure, departure curb and vehicle circulation serving Terminal 2. A new parking structure with a second level departure curb would be built to serve additional passengers using the new and reconfigured Terminal 2. This structure would be two to four levels with parking, departure curb and a transit center accommodating shuttles, buses, taxis and circulation lanes.

Airport Implementation Plan Alternative

The Authority has identified an alternate build scenario that would allow the airport to effectively continue its mission of serving San Diego's commercial air transportation needs as forecasted through 2015. The project elements are described as follows and are depicted on **Figure 4**.

Construct new unit terminal with five replacement gates and seven new jet gates. Construction of a new unit terminal east of Terminal 1, approximately 320,000 square feet of new space, would include seven new aircraft gates plus five replacement gates, holdrooms, ticketing area, baggage claim, security screening, concessions and walkway. The additional aircraft gates would reduce existing crowding in Terminals 1 and 2 while accommodating passenger volumes forecasted through 2015. The proposed terminal expansion would also include a reconfiguration of the existing roadway to gain access to the vehicle curb.

Expand existing Terminal 2 West with three new jet gates. Expansion of the north end of Terminal 2 West passenger concourse to include approximately 30,000 square feet would accommodate three new gates and associated holdrooms. The total new gates for this build alternative would be ten new gates, the same as the proposed project.

<u>Relocate commuter aircraft to Terminal 1 and Terminal 2.</u> Commuter aircraft now operating out of the Commuter Terminal would be relocated to Terminal 1 and Terminal 2.

Construct new aircraft parking and replacement Remain-Over-Night (RON) aircraft parking apron. A new aircraft parking apron would be constructed to accommodate up to 10 aircraft, including one wash rack area, adjacent to the new Terminal 2 West taxilane. Overnight aircraft would be moved to gates in the morning to resume flight routing.

<u>Construct new apron and aircraft taxilane</u>. This new aircraft apron pavement would be built adjacent to and west of the proposed aircraft gates at Terminal 2 West. It would be used as an aircraft taxilane for aircraft to proceed between the runway and the proposed gates. This project element would facilitate efficient aircraft movement on the west end of the terminal area and would include remediation and closure of an existing land fill on the project site area.

Construct new surface parking and vehicle circulation west of Terminal 2 West. This new surface parking lot would be constructed to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging for taxis, airport shuttle vans and temporary public parking during the construction of the new parking structure south of Terminal 1. The same area would include a roadway entrance for delivery trucks to drop off airport supplies and concessions and to remove refuse from the terminals.

Construct new surface and structured parking and vehicle circulation at Terminal 1 and A new surface parking lot and a new parking structure would be new unit terminal. constructed to accommodate forecasted growth of passengers expected by 2015 and the associated need for additional employee parking. Other uses would include staging and temporary public parking during the construction of the new parking structure south of Terminal 1. The same area would include a roadway entrance for passenger vehicles accessing the new unit terminal.

Probable Environmental Effects of the Project

The EIR will include discussion on all CEQA environmental categories required for potential environmental effect determination. These categories include:

| Aesthetic/Visual | Minerals | Traffic/Circulation |
|---------------------------|-----------------|-----------------------|
| Agricultural Land | Noise | Vegetation |
| Air Quality | Public Services | Water Quality |
| Archaeological/Historical | Schools | Water Supply |
| Coastal Zone | Septic Systems | Wetland/Riparian |
| Economics | Sewer Capacity | Wildlife |
| Fire Hazard | Social | Growth Inducing |
| Flood/Drainage | Soil Erosion | Incompatible Land Use |
| Geologic/Seismic | Solid Waste | Cumulative Effects |
| Jobs/Housing Balance | Toxic/Hazardous | |

Based on a preliminary review of the Project site and in consideration of the proposed Project activities, the SDCRAA has determined that potentially adverse effects may occur to the following environmental resources as a result of the project:

- Aesthetic/Visual;
- Air Quality;
- Archaeological/Historical;
- Coastal Zone;
- Noise:
- Toxic/Hazardous;
- Traffic/Circulation;
- Water Quality; and
- Cumulative Effects.

These potential effects will be analyzed in detail in the Draft EIR.

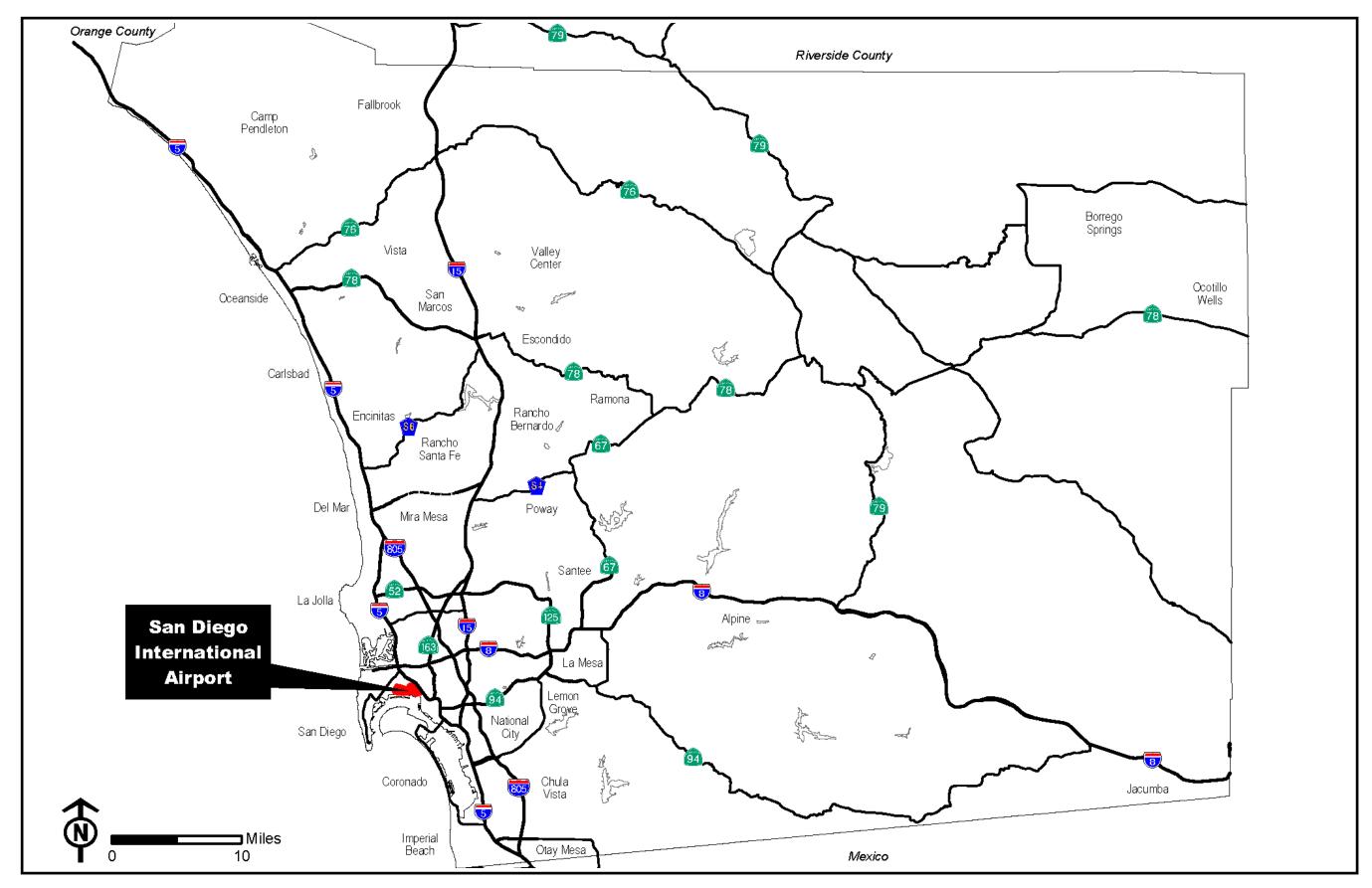
ATTACHMENTS:

Figure 1 – San Diego International Airport Regional Location Map

Figure 2 – Airport Land Use Plan

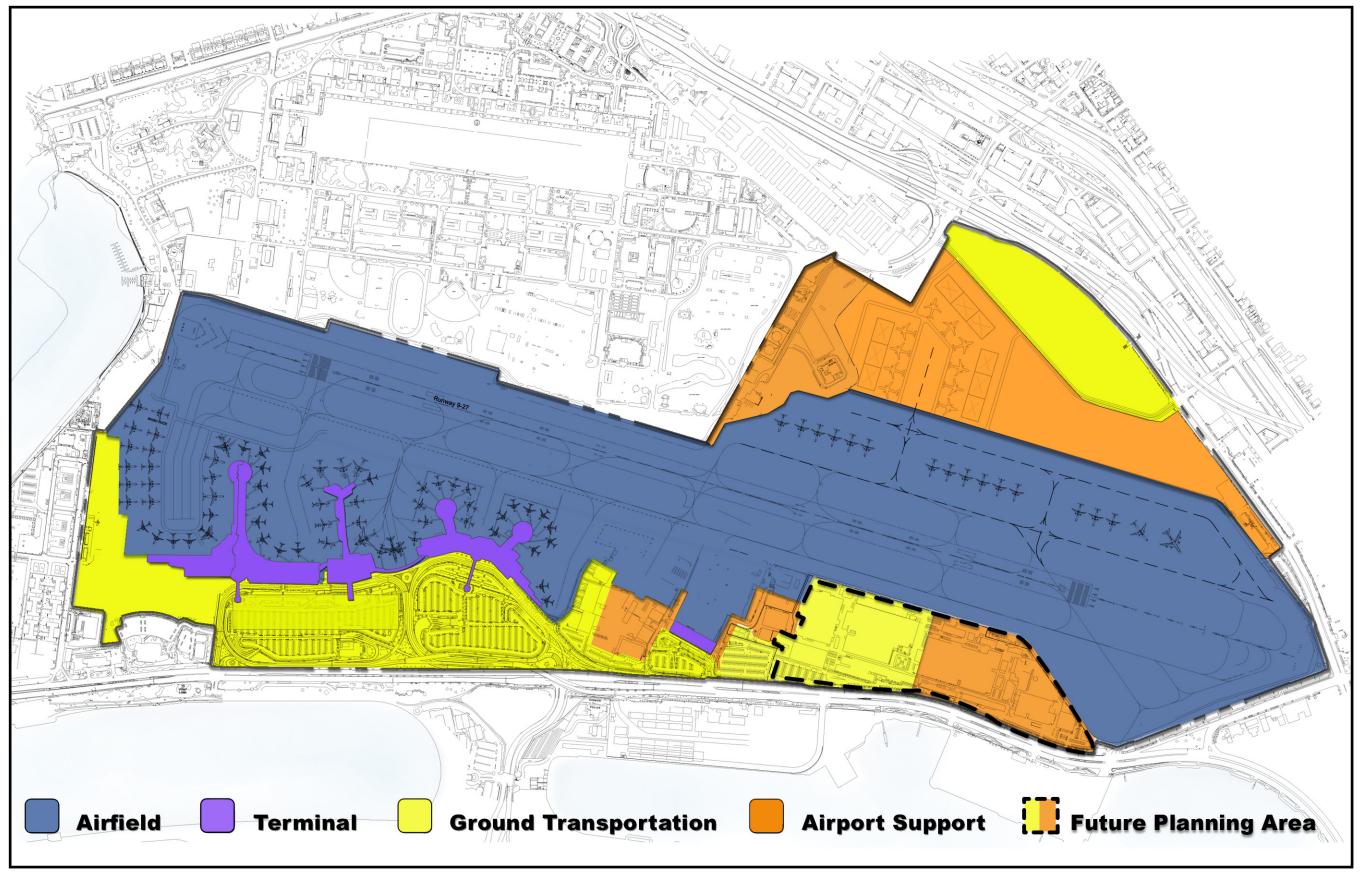
Figure 3 – Proposed Airport Implementation Plan

Figure 4 – Airport Implementation Plan Alternative



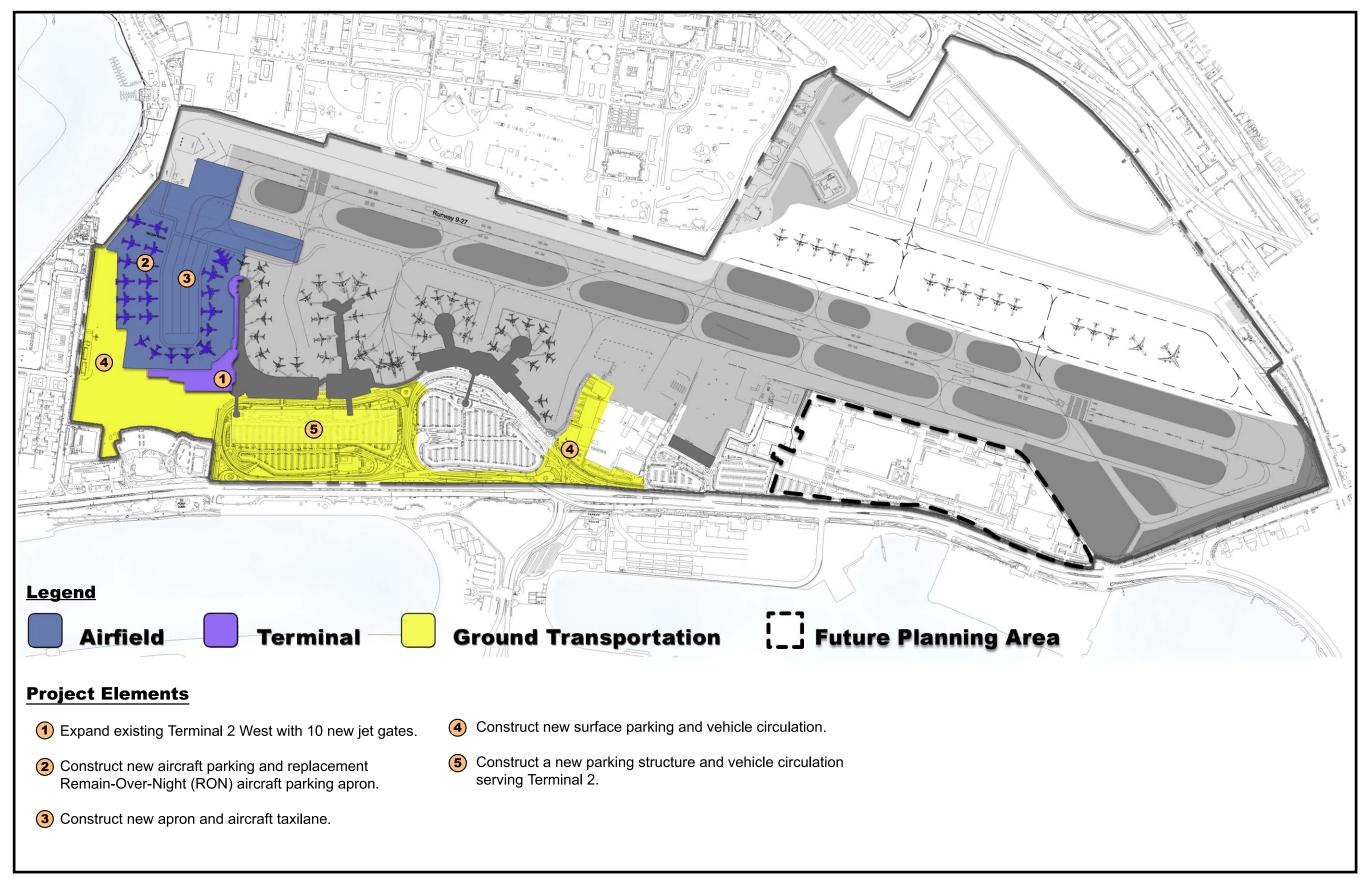


San Diego International Airport Regional Location Map Figure 1

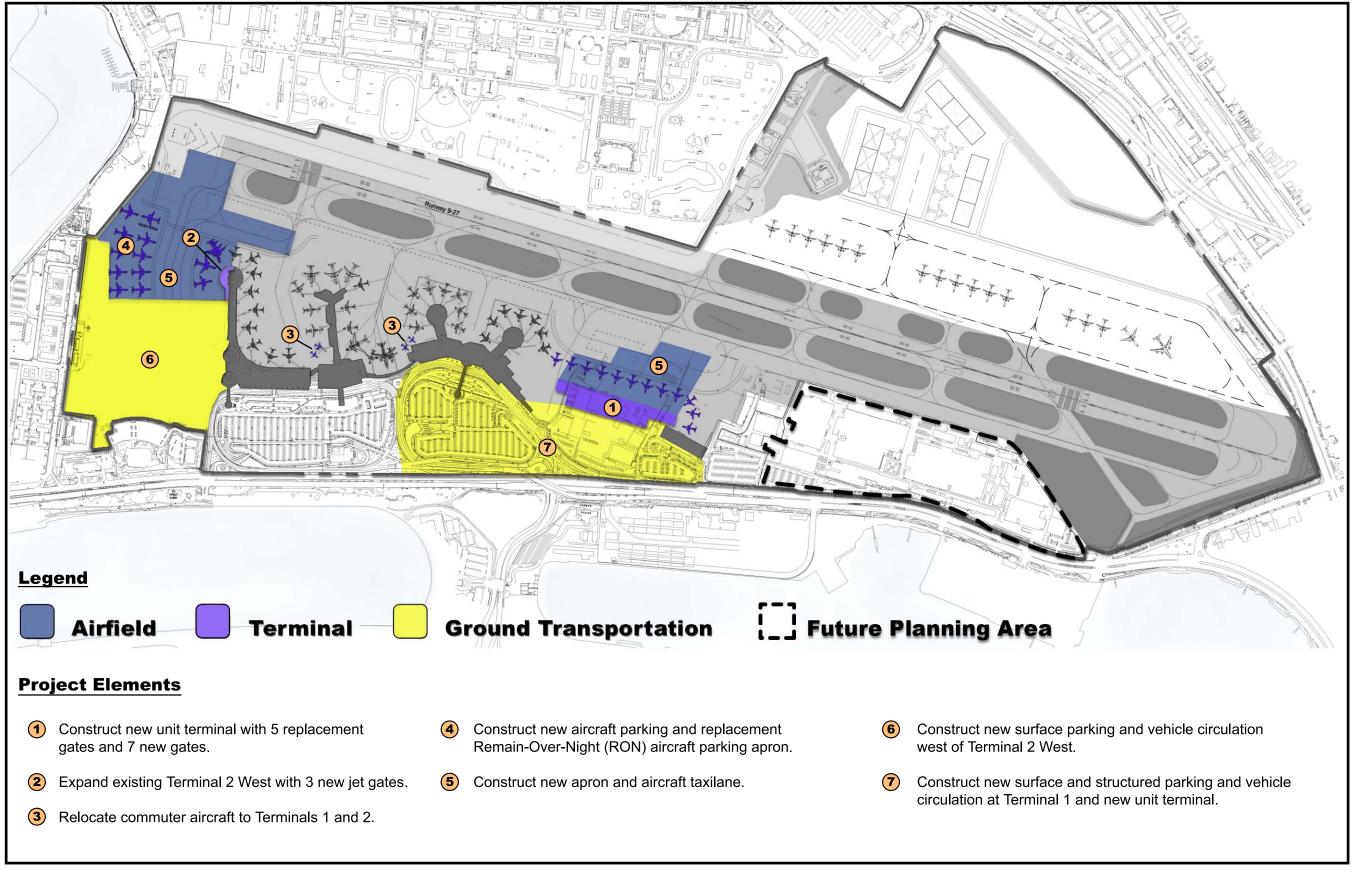




Airport Land Use Plan Figure 2









APPENDIX A Part II

Scoping and Comments Received During Scoping

Airport Master Plan Update



AVAILABILITY OF A NOTICE OF PREPARATION

for a Draft Environmental Impact Report for the San Diego International Airport Master Plan

PROJECT DESCRIPTION AND LOCATION: The San Diego County Regional Airport Authority has prepared a Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the Airport Master Plan (including the adoption of an airport land use plan and implementation plan) for San Diego International Airport located in the City of San Diego.

COPIES OF THE NOTICE OF PREPARATION ARE AVAILABLE

at the San Diego County Regional Airport Authority's Airport Planning Department offices, located in the Commuter Terminal at San Diego International Airport, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday. Copies may also be downloaded at **www.san.org** under Environmental Review/CEQA link or may be requested by contacting Ted Anasis at **(619)** 400-2478.

PUBLIC SCOPING MEETINGS will be held at the Airport Authority offices, located on the third floor of the Commuter Terminal at San Diego International Airport. Parking at the Commuter Terminal will be validated. You are invited to attend one of the four identical scoping meetings.

- Monday, September 19, 2005 2:00 to 3:30 p.m. or 6:00 to 7:30 p.m.
- Tuesday, September 20, 2005 2:00 to 3:30 p.m. or 6:00 to 7:30 p.m.

The public scoping meetings will consist of a brief overview presentation of the Airport Master Plan and the EIR scoping process. Attendees will have an opportunity to provide oral and written comments on the scope and content of the EIR.



How can I make a comment?

The San Diego County Regional Airport Authority is accepting written comments on the scope and content to be included in the Draft Environmental Impact Report for the San Diego International Airport Master Plan. Scoping is helpful in identifying the potentially adverse environmental effects to be analyzed in depth in the environmental review process.

You may mail, e-mail, hand deliver or fax your written comments. To ensure that your comments are addressed in the draft EIR, comments should be received at the address below *no later than* 5:00 pm on October 21, 2005.

Mail:

San Diego County Regional Airport Authority Attn: Mr. Ted Anasis P.O. Box 82776 San Diego, CA 92138-2776

E-mail:

planning@san.org
(Airport Authority will accept responses via e-mail only if the comments: (i) contain less than 500 words, and (ii) do not contain any attachments.)

Hand deliver:

San Diego International Airport Commuter Terminal Third Floor 3225 N. Harbor Dr. San Diego, CA 92101

Fax:

Attn: Airport Planning (619) 400-2448

If you have questions, please call Ted Anasis at (619) 400-2478.



How can I make a comment?

The San Diego County Regional Airport Authority is accepting written comments on the scope and content to be included in the Draft Environmental Impact Report for the San Diego International Airport Master Plan. Scoping is helpful in identifying the potentially adverse environmental effects to be analyzed in depth in the environmental review process.

You may mail, e-mail, hand deliver or fax your completed comments. To ensure that your comments are addressed in the draft EIR, comments should be received at the address below **no** *later than 5:00 pm on October 21, 2005*.

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San Diego County Regional Airport Authority Attn: Mr. Ted Anasis P.O. Box 82776 San Diego, CA 92138-2776

E-mail:

planning@san.org
(Airport Authority will accept responses via e-mail only if the comments: (i) contain less than 500 words, and (ii) do not contain any attachments.)

Hand deliver:

San Diego International Airport Commuter Terminal Third Floor 3225 N. Harbor Dr. San Diego, CA 92101

Fax:

Attn: Airport Planning (619) 400-2448

If you have questions, please call Ted Anasis at (619) 400-2478.

Sign In Sheet Scoping Meeting September 19, 2005 2:00 - 3:30

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Sign In Sheet Scoping Meeting September 19, 2005 2:00 - 3:30

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CERTIFICATE OF PUBLICATION

Paul Webb SDCRAA/Airport Planning P.O. Box 82776 San Diego, CA 92101

IN THE MATTER OF Airport Master Plan Update

NO.

San Diego Regional Airport Authority Airport Master Plan Update

PROJECT DESCRIPTION AND LOCATION: The San Diego County Regional Ai port Authority has prepared a Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the Airport Master Plan (including the adoption of an airport land use plan and implementation plan) for San Diego International Airport located in the City of San Diego.

COPIES OF THE NOTICE OF PREPARATION ARE AVAILABLE at the San Diego.

COPIES OF THE NOTICE OF PREPARATION ARE AVAILABLE, at the San Diego County Regional Airport Authority's Airport Planning Department offices, located in the Commuter Terminal at San Diego International Airport, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday. Copies may also be downloaded at www.san.org.under Environmental Review/CEQA link or may be requested by contacting Ted Anasis at 16:194-00-2478.

at (619) 400-2478.

AVAILABILITY OF A NOTICE OF PREPARATION for a Draft Environmental Impact Report for the San Diego International Airport Master Plan PUBLIC SCOPING MEETINGS will be held at the Airport Authority offices, located on the third foor of the Commuter Terminal at San Diego International Airport. Parking at the Commuter Terminal will be validated. You are invited to attend one of the four identical scoping meetings.

- * Monday, September 19, 2005 2:00 to 3:30 p.m. or 6:00 to 7:30 p.m.
- *Tuesday, September 20, 2005 2:00 to 3:30 p.m. or 6:00 to 7:30 p.m.

The public scoping meetings will consist of a brief overview presentation of the Airport Master Plan and the EIR scoping process. Attendees will have an opportunity to provide oral and written comments on the scope and content of the EIR. Pub. Sept. 14-k114907

I, Christine Seiveno, am a citizen of the United States and a resident of the county aforesaid; I am over the age of eighteen years, and not party to or interested in the above entitled matter. I am the principal clerk of the Daily Transcript, a newspaper of general circulation, printed and published daily, except Saturdays and Sundays, in the City of San Diego, County of San Diego and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of San Diego, State of California, under the date of January 23, 1909, Decree No. 14894; and the

NOTICE OF PREPARATION

is a true and correct copy of which the annexed is a printed copy and was published in said newspaper on the following date(s), to wit:

SEPTEMBER 14

I certify under penalty of perjury that the foregoing is true and correct.

Dated at San Diego, California this

day o

(Signature)

Affidavit of Publication

SAN DIEGO COUNTY REGIONAL

P.O. BOX 82776

SAN DIEGO, CA 92138-2776

ATTN: CHERYL BROWN

STATE OF CALIFORNIA; ss. County of San Diego}

Undersigned, declares penalty of perjury under the laws of the State of California: That...She is a resident of the County of San Diego. THAT....She is and at all times herein mentioned was a citizen of the United States, over the age of twenty-one years, and thatShe is not a party to, nor interested in the above entitled matter; thatShe is...... Chief Clerk for the publisher of

The San Diego Union-Tribune

a newspaper of general circulation, printed and published daily in the City of San Diego, County of San Diego, and which newspaper is published for the dissemination of local news and intelligence of a general character, and which newspaper at all the times herein mentioned had and still has a bona fide subscription list of paying subscribers, and which newspaper has been established, printed and published at regular intervals in the said City of San Diego, County of San Diego, for a period exceeding one year next preceding the date of publication of the notice hereinafter referred to, and which newspaper is not devoted to nor published for the interests, entertainment or instruction of a particular class, profession, trade, calling, race, or denomination, or any number of same; that the notice of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following date, to-wit:

SEPTEMBER 14, 2005

Chief Clerk for the Publisher

Affidavit of Publication of

Legal Classified Advertisement

Ad#3031867

Ordered by: CHERYL BROWN

Airport Master Plan Update

AVAILABILITY
OF A NOTICE
OF PREPARATION
for a Draft
Environmental
Impact Report for the
San Diego
International
Airport Master Plan

Airport Master Plan
PROJECT DESCRIPTION AND LOCATION: The San Diego
Country Regional Airport Authority has prepared a Notice of Preparation (NOP) for a
Draft Environmental
Impact Report (EIR)
for the Airport Master
Plan (including the
adoption of an airport
land use plan and implementation plan) for
San Diego International Airport locared in
the City of San Diego.

the City of San Diego.

COPIES OF THE NOTICE OF PREPARATION ARE AVAILBALE at the San Diego
County Regional Airport Planning Department offices, located in
the Commuter Terminal at San Diego International Airport, during the hours of 8:00
a.m. to 5:00 p.m., Monday through Friday,
Copies may also be
downloaded at:

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under Environmental
Review/CEQA link or
may be requested by
contacting Ted Anasis
at (619) 400-2478.

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The San Diego Union-Tribune.

San Diego International Airport Master Plan Update Scoping Meeting Comments

| Comment Date | Topic | Comment |
|------------------------|---|---|
| 9/19/2005 Meeting 1 | Airport Expansion | My name is Bill Kelly, W.V. Kelly. I live in Point Loma on Rosecrans Street. Let me first qualify myself. I've been a licensed pilot for the last 46 years. I flew jets with the Navy, carrier-qualified. I live close by. I've listened to the tower all the time, both towers, and I'm a fan of the airport. That's my way of saying I'm not opposing the airport. I like the airport. I like where it is. I like it at its present size. And I'd like to do everything I can to make sure it stays its present size. Although, as you've listed in your various goals and objectives what is it 12 of them, practically all of them have the word "improve" in them. And I have absolutely no argument with improving airport access, efficiency, and capacity. I am curious, though, that one of these, No. 5, is to improve the regional economy. I don't see that as a goal of the airport. I see the goal of the airport, with respect to the economy, to support the directions that the economy goes in. And it seems to be entirely possible that the airport could go in directions that are not compatible with improving the economy. Whether that improvement be an expansion or shrinking or readjustment, as we all know, the aerospace industry is practically gone from San Diego. The new facility across the way, ConAir, is not here anymore. So that was a big adjustment. It would be foolish for us to imagine that similar adjustments couldn't take place in the future, which would call for, perhaps, a completely new look at the airport. One that I particularly like is No. 11: Increasing compatibility with surrounding land use. One of the things that comes to mind immediately is MCRD, and that other concept manages to surround it. I think that's kind of odd. Anyway, I want to thank you for the opportunity to make an input. And I would like to be able to stay in touch. As much as we don't like some of the other options, I know that's not on the agenda today. Thanks very much. |
| 9/19/2005 Meeting 1 | Airport Improvements | My name is Carl Robinson with a "C." I live here in San Diego, although, I guess, as a full disclosure, I'm also working with the finance team and refinancing your existing debt. I have three narrow questions just on what is proposed. I don't know if you're going to answer them or not, but you propose to do a two-level arrival/departure. My question on that is whether you plan to do that for both Terminal 1 and Terminal 2 or only the new portion of Terminal 2, or what do you propose in that regard? The second question is about your remain-overnight parking. As I read what you put out, it looks like an aircraft can't remain overnight in the existing 41 gates. I want to know if that's true or not. Just a straight question. And then secondly, you propose 12 additional or 12 remaining-overnight parking spots. I'm curious whether those are in addition to the existing 19 or whether they're going to be replacements. So again, I have no political comment at this time; just some curious questions of what you're planning to do. Thank you. |
| 9/19/2005 Meeting 1 | Draft EIR Process; Economic Effects | My name is Marie Ambrose, and I live in San Diego at 2924 Poinsettia Drive. And I just had a few questions. Obviously, I'm just getting this. I don't really understand much about the process, and thank you for going over that. But a few questions that I have: The published draft, once you've finished that, because it's going out to the public, in what manner are you delivering that to the public? Obviously we're not going to be voting on this, so also, how are you getting the money to do this? And I noticed that in your "Potentially Adverse Effects Anticipated," you did not highlight economics. And why do you not think that that is a problem, especially since the continuing site selection process will obviously cost more? And also, how does this complement the site selection process? In what way, considering the future expansion and the complete the way the two processes are so different, the plans are different, how do they complement each other? |
| 9/19/2005 Meeting 1 | Parking | My name is David Bonaparte. I'm with Five Star Parking. And I was just curious: When they did the study, did they consider how much parking there was off-site in their scoping and planning? And if so, are they planning on charging them trip fees? |
| 9/19/2005 Meeting 1 | Airport Expansion; Environmental Effects | My name is Herb Stern. I live in Point Loma. I from Hermosa Park. I've been breathing jet fuel for about 24 years there. I have two or three questions I'd like to ask. One is why is there no figure that shows the present configuration for the airport plan? I mean, all these additions are shown, but unless I'm missing something I cannot see what the configuration is right now. And I'd like to have that to compare with what you're planning to do. And secondly, when we're talking about these environmental effects, I don't see any mention of cancer. And does cancer come under the heading of "toxics" and how that would you know, I want to – I want that to be a focus of what's going on. That's all. Thanks. |

San Diego International Airport 1 SDIA Master Plan Draft EIR

| 9/19/2005 Meeting 1 | Traffic | Renee Stone on Seaside Street. Is this going to include more traffic coming into the airport? And if so, did anyone talk about noise and then the pollution in the air jet fuel landing on everybody's homes? Thanks. |
|------------------------|---|--|
| 9/19/2005 Meeting 1 | Noise | My name is Bill Howard. I live in Loma Portal. My question is this: You're enabling the airport to have more flights. I mean, it's going to make more noise. Are you doing anything to speed up the quiet-home program? It seems like the money comes in rather slow, and this should be a time when that money should increase so that you can improve the speed of which you're doing this. Thank you. |
| 9/19/2005 Meeting 2 | Land-use, Noise, Pollution Impacts | LANCE MURPHY: Good evening. Thank you for the opportunity to participate in this. I will try to keep my comments relevant to the draft EIR requirements, but, as such, I believe that the project hasn't really described the full impact. I say that because you have only one minor comment in here about compatibility with surrounding land uses. But nowhere in the whole presentation did you talk about your impact on those surrounding land uses and, in fact, what we're facilitating by allowing the expansion of the airport. I agree the airport is running at a very good clip right now. In fact, I believe I've made this point several times before that your June 2003 forecast had last year's 2004's operations forecast. And I believe it was about 200,000; they ran 207,000. That wasn't forecasted to occur until the year 2007 or 2008, depending on how you read it. So we're running at a huge clip. We're going to hit the 2015 capacity much earlier than originally forecasted, yet I have no one telling me what the real forecast number is. And it's the basis for why we're doing this expansion. But, on to that, nowhere in this plan do I see any plan for the traffic impact exterior to the airport. It's got to be coordinated. You can't just plan your airport roads. In fact, I think I've heard previous presentations talk about how it was going to be, in effect, a bumper-to-bumper all the way back to Interstate 5. Second is, obviously, the noise impacts. And third is the pollution impacts. And I mean the pollution and noise impacts of the airport under its expanding structure. And, in fact, if you don't get the additional gates, at some point, you will be capacity constrained, but by the aircraft being able to get to the runway; not the runway limitations. So, one other item I'd like to bring in is there's a whole new noise mitigation project that you do. And I believe you allocated something like ten million dollars to it over the next couple of years. That additional allocation is just to accommodate the homes that have now are find |
| 9/19/2005 Meeting 2 | Adverse Impacts; Parking | CHARLES KINKADE: Hi. How are you guys doing? Again, Charles Kinkade, and I just want to briefly point out some things. I know that the Environmental Impact Report is a long document, and some things tend to get very little attention when they deserve more. And I want to emphasize on the adverse effects. It talks about aesthetic and visual, but it doesn't specifically mention lighting, and light pollution is a huge problem with airports, especially when they undergo expansion. All these additional terminals are going to require gate lighting and traffic lighting and all sorts of boundary lighting as well if you're going to be pushing out the boundaries a little bit. And the second point is the Harbor Boulevard merging. When you're going east on Harbor Boulevard towards downtown from Point Loma, you have left-hand turn lanes, mostly, to get into the terminals. You have merging ramps to get out of the terminals, but not to get in. And those left-hand turn lanes fill up pretty quick. So that's something I also didn't notice in there. And also I'm sure I'm probably not the only one, but if more attention could be spent on public transportation rather than just additional parking, so like rail to rail alternative to additional parking. And that's it. |
| 9/19/2005 Meeting 2 | Impacts of Expansion | My name is Martha Hall, and I was just noting some of the categories which I was surprised were omitted from your EIR. I think when I saw it, you did not highlight schools. You've got five or six elementary schools, and you've got two high schools. You have got several new schools being built on the Naval Training Center right next to where you're planning to expand your airport, and you're going to increase the noise pollution and the air pollution for all of those children. You've got the expansion of a high-tech high school and a high-tech middle school and a new elementary school that just moved there. And I was shocked to see that you didn't highlight that for your public services. Nor did you highlight the effect of this expansion on housing. It, of course, is going to affect the housing. And I would just, you know, echo the earlier comment about the fact that the noise abatement is going on at a fairly slow clip, and you're at the same time that that is making a sort of snails-pace progress in the community, you're going to increase the noise. And so another question is: How is the noise abatement going to measure up to the increase in noise? Are you actually setting it back? Do you need to go in and reassess whether or not you're going to have to do additional noise abatement on the houses already addressed? Are you going to need to |

| | | expand an area that you have already designated? And I guess my also, my secondary worry is that we'll continue on the way that we have for however many years, which is, instead of really putting your resources into picking a good site for a large airport for this region, what you're doing is just every time there's a problem, you expand Lindbergh a little bit, and you infringe upon the community, and you change the community and the impact of the community with this bit-by-bit encroachment you think will go less noticed than some more drastic step. And I just think it's time to stop and focus your efforts on getting a new airport. |
|------------------------|----------------------|--|
| 9/19/2005 Meeting 2 | Impacts of Expansion | CYNTHIA CONGER: Good evening. You see me often sitting in the community planning board. We have brought up a lot of these issues before. One of the things I was going to talk about was the schools as well. That is, again, federal and state law to allow those schools to begin now, and it's your responsibility. But I have some questions. As Lance was talking about, how many more flights per year will there be with the existing airport if there's no expansion? How many more flights will there be per year with this small expansion? As well, how many more flights will there be with this terminal — at the existing second terminal, or No. 6? How much more will that increase the noise in decibels? I think there's a contract with the existing community that the Airport is supposed to hold to. Is that going to force us to go ahead and have to sell? How many more homes will be impacted now that are not underneath the planes because they'll have to take off in more headings than is already there just to avoid separation problems? What about the health impacts of all this additional traffic just trying to get to and from this airport in a congested area already with diesel, with exhaust, all around it? How about the hazard zones? Isn't the hazard zone supposed be around 6,000 feet around an airport? And if you have a 305-foot-high hill to climb, you're supposed to be five miles away from the end of the runway? This is substandard all the way around. Compatibility with existing land use, we've talked about that. The traffic increase, how are you going to get more people? And you didn't even present anything about the parking lot on this alternative. Is that proposed, or is it the alternative? Is it the alternative proposed? Why wasn't this on the paper that's out there? You said the proposed is going to have a second level of parking. Why didn't we take a look at it? Does that mean that there is a certain number of parking spaces required for each additional gate? Where's that ratio that we should be studying? And you also d |
| 9/19/2005 Meeting 2 | Community Impact | H.B. WILLIAMS: Because I come here as really related to the Map No. 2, Figure 3The reason I've addressed this particular point is that I don't think the public, generally, understands the scope of this map as you have before you. And as a point of clarification, I ask you to name the dimensions on both sides that people would understand. If you go all the way up to the freeway, you take out all the post office areas, the Midway area, all of that activity, you take out. Cleared out here on the obviously, you take out Ryan and that kind of thing. That's understood. But I don't think people understand the scope that you're talking about. It is very messy. It is not just "go 2,000 to 6,000 acres" and all this kind of thing. It is a very, very large impact on the community just in your scope. The people don't the public generally do not understand that scope. And so, generally speaking, you talk in terms of I've heard that you talk about which course would involve, in this case, revenue financing, revenue bond financing, because you don't you certainly can't do it on San Diego's credit. But if you're talking about taking out all of that property, you're talking about you can't do it for 500 million, or any other estimate you've really put into it isn't going to allow you to do that for \$500 million. Now, you might say, "Well, this is for the general benefit," like New Haven, Connecticut, and you can take away your property rights if you want and claim that this is for public betterment and all that kind of thing, but that's not even the concept that people have of accommodating the airport and moving the airport to serve the community. You get in that area of serving the community where part of it is service, and part of it is confiscation. It's not really a fair way for you to go. And I think that it is the responsibility of your commission to make known to the community the full scope of your plans. And in a little bit, it is sort of like that water drop on your forehead. Anything that just |

| 9/19/2005 Meeting 2 | Community Impacts | LANCE MURPHY: I would ask that you would include in your environmental impact statement the impact on the community. In effect, what Ms. Conger said was the community will believe that the airport will expand further. Because of this expansion, you've created a snowball. |
|------------------------|----------------------|--|
| 9/20/2005 Meeting 1 | Airport Expansion | Nobody said they had a problem hearing me. I'm Jarvis Ross. I am with the Peninsula Committee Planning Board. I am also on the board of directors of a 263-unit town home complex here in Point Loma, which is impacted by anything that the airport does over here. So you know where I'm coming from. First of all, I would like to say in terms of forecasts, I am often reminded of my economics professor back in college. He said that statistics don't lie, but statisticians do. I have always carried that thought with me because so often I see arguments predicated on a false assumption and then built upon that false assumption. Several things that came to mind, one of them I just picked up a magazine that came to the home today, and it said that in the first 125 years, we used the first trillion barrels of oil. We'll use the next trillion within 30 years. There is an article there. That's from the chairman the board of Chevron Corporation asking for conservation of fuel and its impacts on the economy. Basically where I'm coming from is most of the people that I talk to and, of course, most of them are here in Point Loma, are opposed to any kind of expansion of the airport, whether it be horizontal out this way or whether it be in another direction. Most San Diegans that I have talked to that have lived here for many, many years don't want to see the city get bigger and denser. They don't mean dense in the head; they mean denser population. This is a thing that I think we really have to seriously look at. Do we want more aircraft landing here? Do we want more expansion? The message I'm getting from the public, not from as I refer to the two-piece suits, no offense to the gentlemen in the two-piece suits, but those typically represent the downtown people, from the Convention Center, the business bureau, all of that. They are the ones that want to see more traffic coming in here. The hotels do, but the people that live here year round don't want to see this increase from the people that I talked to. I just encourage you that |
| 9/20/2005 Meeting 1 | Parking | My name is Keith Webb, and we own and operate a company here in town called Park and Ride. First of all, I would like to commend the staff for thinking outside the box. You cannot have a master plan without thinking what may happen in the future. When you improve the existing facility, you must, by logic, try to determine how these proposed plan is deeply flawed for the following reasons. When you propose a parking structure without indicating how large, how many spaces and so forth, the public cannot make an intelligent comment or a decision on it. And secondly, it appears that the general aviation port that you're allocating to general aviation is grossly small, and it has been indicated in the past that the airport is thinking very strongly about taking the general aviation away from any private operator. If this is true, then I can see why you would want to shrink the general aviation part in your EIR. Third, you have completely left out what was indicated a few weeks ago as the future site that was designated for a transportation plaza. This I wonder why, and you put it into some future decision-making on this after I brought it to your attention at the last whatever the meeting was that I attended, that this was really, when you consider - you just now said there was over 8000 offsite airport parking spaces. We're adding 800 more in the next month. Think what that is going to do to the transportation plaza. The designated roadway seems to interfere with airport operations unless you go offsite and eliminate Jim's Air Parking, Solar Parking, block off the Coast Guard ingress, and all the existing parking that belonged to the old former hotel of the Lion Corporation. Then, of course, you the toxic considerations that you mentioned as one of the reviews, we all know that there is large, large pockets of contamination on that area. And why would you leave out a probable impact on the sewer capacity when San Diego's sewers are very, very inadequate. Thank you very much. |
| 9/20/2005 Meeting 1 | Parking | Thank you. Good afternoon. My name is Adrian Catacowski. I am here representing Park and Ride Airport Parking. I want to thank you for this process of allowing the public numerous opportunities to come out to the numerous segments to provide comments. So I was here yesterday for the first session, and one of the things you didn't highlight is the economic factor. That, you didn't even look at. I mean, some of the things that are being proposed in your proposals would have economic impacts specifically in our business. We're interested in regards to the parking structure, how many parking spaces are you proposing? Your proposal said two or four stories. That's not definitive enough, as far as we're concerned. Is there some sort |

| | | of passenger-to-parking formula? You're saying you're going to have 100 percent increase in the passenger load. Is there a national standard as to how much parking is required for a passenger? Once again, how many parking spaces, if it's two stories or four stories. We're seriously concerned about this because as you have seen with other issues of general aviation and what the Airport Authority has done with the parking business, the Airport Authority is getting into the business of competing with its lessees, and that's not a good thing. So with a larger parking structure, would you then be getting into the business of long-term parking, these excess spaces are utilized until demand increases. It's a challenge to provide adequate feedback. |
|------------------------|----------------------|--|
| 9/20/2005 Meeting 2 | Airport Expansion | I'm Jarvis Ross. This is my second time here today, seeing as you can't condense everything here into three minutes. So I won't cover things that I covered earlier today. But I do want to say I'm with the Peninsula Community Planning Board and representing that Board's position. There are a few notes I took for the comments here this evening. I want to say first off, I never believe in shooting the messengers. Those are the messengers back here. It's the message that we take the shots at. I want to thank Sara. I want to thank you. I did want to explain, because you pointed out about the master plan, most of us did not know what the Master Plan was. Therein lay the problem of why they thought that covered Concept 6 also. So therein was a confusion. I do want to compliment the Airport Authority. I think they have done an excellent job. But even with that, we find that about eight out of 10 people still don't know about the Airport Master Plan, still don't know about the site selection; and therein lies the problem for the people that live in the area here. A couple of things I noticed; and one of them was that this program tonight was to complement the site selection program; that it really was not about the site selection program. I have a little difficulty with that because really this is a site, and it is a part of the overall long plan. If this airport is expanded here, it becomes even more entrenched in terms of the future and other sites that might be selected could then become under the impacts of we have so much invested here, what's the point of looking someplace else. So that's one of my concerns. Just to get down to some specifics, the parking structure, I think, is a good idea. The major airports that I have been to throughout the country do have that two-tiered level. So I support that. One thing that was not mentioned, one of the consultants on an aside told me that it would cost to build that additional seven or eight terminals over here – not terminals access. Gates, I should say. To build t |
| 9/20/2005 Meeting 2 | Expansion | Dashiell Botter. I just want to echo some of his concerns that if we put more money into this airport that will that make it more likely that they will choose this site to continue to build into the homes and schools in the area here in Point Loma. And I think if that is going to make it more likely, then that's a bad idea. That's it. |
| 9/20/2005 Meeting 2 | Airport Expansion | Greg Finley, 2178 Historic Decater, No. 31, San Diego. I don't think I need this. I talk loud enough. Thank you for your comments, Jarvis. Very worthy and, you know, the words rearranging the deck chairs on the Titanic come to mind every time we talk about any improvements to Lindbergh Field. As a second generation native and a pilot, I remain very concerned about the safety issues which are not addressed in this plan that I can see, anyway, and let's hope that we don't have a massive problem that could occur at this airport. It does operate under a waiver every year. So having said that, we need an airport up until the point where we can get around to selecting Miramar as the new airport. So we do have to make these improvements. I am very concerned as a resident here, and I am sure you are, too, that we have some very severe environmental problems that we are going to be facing, particularly the air pollution problems, as we continue to build this thing into overcapacity, which it looks like we're going to do whether we like it or not. If there was a way to move this process forward so that we don't have to continue to hope the Titanic isn't going to sink at the wrong time, I would certainly be in favor for this. By the way, I am running for City Council, Second District, and I hope that I'm elected, No. 1. No. 2, I really hope that we can provide some needed political leadership to get this thing off the dime. They started discussing and studying a site for a new airport in San Diego in the year I was born, which was 1947, and I may be off by six months on that, but pretty darn close. It's time. 50 years is long enough. If there is a way to move this forward faster, it would be my preference. That's certainly going to be what I'm going to endeavor to do if elected to this council. We need some strong guidance here. You folks are doing a good job. As Jarvis said, there's no point in shooting the messengers. They're here to try to help the situation, but I think that we all need to provide not only input on th |

| 9/20/2005 Meeting 2 | Airport Expansion | Okay. Linda Patterson, 4419 Saratoga. The reason I'm here is I've got questions. I'm not sure who to address them to. The question I have got is, how long is it going to take to build your planning team? Well then, here is my concerns. It kind of echoes the first two people that were talking. If, in fact, it takes quite a number of years to get their Master Plan of this airport built, it's going to encroach really close to 2015. And the next part of it is looking at 2030. So my other question, since I can't ask it formally, I'm going to say is, in fact, the plan of enlarging this airport to fit in, if they do select this site, and my guess is that it probably is. Probably the terminals and everything else are going to lead right into the side of Point Loma. And if that's the case, then I know why everyone is putting money into it now; and if that's not going to be the choice of Concept 6, why are we putting all this money and time into it? If another site is going to be chosen, let's get on with the other site. It just seems like it's a lot of games to get the site going. I'm just a little bit concerned about the whole process. Thank you. |
|------------------------|----------------------|--|
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Total comments from Scoping meetings: 20 comments

APPENDIX A Part III

Comments on the Notice of Preparation (Revised January 2006) and the Notice of Preparation (September 2005)

REVISED NOTICE OF PREPARATION FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|---|----------------|----------------------|----------------|
| STATE AGENCIES | | | |
| State of California Governor's Office of Planning and Research State Clearinghouse and Planning Unit 1400 Tenth Street P.O. Box 3044 Sacramento, CA 95812-3044 Scott Morgan | 01/17/06 | 01/24/06 | US Mail |
| Project Analyst (916) 445-0613 - phone (916) 323-3018 - fax | | | |
| Native American Heritage Commission 915 Capitol Mall, Room 364 Sacramento, CA 95814 Carol Gaubatz Program Analyst (916) 653-6251 - phone (916) 657-5390 - fax | 01/30/06 | 02/06/06 | US Mail |
| Department of Transportation Division of Aeronautics - MS #40 1120 "N" Street P.O. Box 942873 Sacramento, CA 94273-0001 Sandy Hesnard Aviation Environmental Specialist (916) 654-5314 - phone (916) 653-9531 - fax | 02/09/06 | 02/14/06 | US Mail |
| Department of Transportation - District 11 2829 Juan Street P.O. Box 85406, MS 50 San Diego, CA 92110-2799 Mario H. Orso Chief, Development Review Branch (619) 688-6954 - phone (619) 688-4299 - fax (619) 688-6819 - Brent McDonald, addt'l contact | 02/15/06 | 02/15/06 02/21/06 | Fax US Mail |
| State of California Public Utilities Commission 320 West 4th Street, Suite 500 Los Angeles, CA 90013 Rosa Munoz, PE Utilities Engineer Rail Crossings Engineering Section Consumer Protection & Safety Division (213) 576-7078 - phone rxm@cpuc.ca.gov | 02/16/06 | 02/21/06 | US Mail |

REVISED NOTICE OF PREPARATION FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|--|-----------------|-----------------------------------|----------------------|
| LOCAL AGENCIES | | | |
| San Diego County | 01/17/06 | 01/23/06 | US Mail |
| Office of the County Clerk | (Filing Notice) | (copy of pg 1 only) | (via Corporate Svcs) |
| 1600 Pacific Highway | | & | |
| San Diego, CA 92101 | | 02/24/06 (entire revised NOP - | |
| | | full color copy) | |
| Gregory J. Smith | | iuii coloi copy) | |
| Recorder/County Clerk | | | |
| San Diego Unified Port District | 02/14/06 | 02/17/06 | Fax & E-Mail |
| 3165 Pacific Highway | | 02/21/06 | US Mail |
| San Diego, CA 92101 | | | |
| P.O. Box 120488 | | | |
| San Diego, CA 92112-0488 | | | |
| John W. Helmer | | | |
| Manager, Planning Services | | | |
| Land Use Planning | | | |
| (619) 686-6468 - phone | | | |
| (619) 686-6508 - fax | | | |
| County of San Diego | 03/27/06 | 04/03/06 | US Mail |
| Department of Environmental Health | | | |
| Land and Water Quality Division | | | |
| P.O. Box 129261 | | | |
| San Diego, CA 92112-9261 | | | |
| Donn A. LiPera | T-1 | | |
| Project Manager | | | |
| Site Assessment and Mitigation Program | | | |
| (619) 338-2244 - phone | | | |
| (619) 338-2315 - fax | | | |
| | | | |

| ORGANIZATIONS | | | |
|--|----------|----------|---------|
| San Diego Off-Airport Parking Association 625 Broadway, Suite 1221 San Diego, CA 92101 | 02/09/06 | 02/15/06 | US Mail |
| Paul Chacon President (619) 544-7000 - phone (619) 544-6886 - fax | | | |
| Park & Ride 3550 Kettner Blvd. San Diego, CA 92101 | 02/14/06 | 02/15/06 | US Mail |
| Thomas J. Traver Vice President (619) 295-6659 or 295-2832 - phone (619) 287-8957 - fax | | | |

REVISED NOTICE OF PREPARATION FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|---------------------------|----------------|---------------|---------|
| INDIVIDUALS | | | |
| Otto Emme | 02/07/06 | 02/13/06 | US Mail |
| 2290 Via Lucia | | | |
| La Jolla, CA 92037 | | | |
| (858) 454-1991 - phone | | | |
| ooemme@san.rr.com | | | |
| | | | |



Arnold Schwarzenegger Governor

STATE OF CALIFORNIA

Governor's Office of Planning and Research State Clearinghouse and Planning Unit



Sean Walsh

Notice of Preparation

January 17, 2006

To:

Reviewing Agencies

Re:

San Diego International Airport Master Plan

SCH# 2005091105

Attached for your review and comment is the Notice of Preparation (NOP) for the San Diego International Airport Master Plan draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

∠Scott Morgan

Project Analyst, State Clearinghouse

A. Driemeye

Attachments

cc: Lead Agency

RECEIVED

JAN 24 2006

PLANNING DEPT. #44

Document Details Report State Clearinghouse Data Base

SCH#

2005091105

Project Title Lead Agency San Diego International Airport Master Plan San Diego County Regional Airport Authority

Туре

NOP Notice of Preparation

Description

The San Diego International Airport Master Plan includes the development and operation of the following project components: expand existing Terminal 2 West with 10 new jet gates; construct new aircraft parking apron; construct new apron and aircraft taxi lane; construct new surface parking and vehicle circulation; and construct a new parking structure, departure curb and vehicle circulation serving Terminal 2.

Lead Agency Contact

Name

Ted Anasis

Agency

San Diego County Regional Airport Authority

Phone

(619) 400-2478

Fax

email

Address

P.O. Box 82776

City San Diego State CA Zip 92138-2776

Project Location

County

San Diego

San Diego City

Region

Cross Streets

San Diego International Airport - North Harbor Drive

Parcel No.

Township

Range

Section

Base

Proximity to:

Highways

1-5

Airports

San Diego International

Railways

Waterways

Schools

Land Use

San Diego International Airport

Project Issues

Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Coastal Zone;

Drainage/Absorption; Economics/Jobs; Flood Plain/Flooding; Forest Land/Fire Hazard;

Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian;

Wildlife: Growth Inducing: Landuse: Cumulative Effects

Reviewing Agencies

Resources Agency; Regional Water Quality Control Board, Region 9; Department of Parks and Recreation; Native American Heritage Commission; Office of Historic Preservation; Department of Fish and Game, Region 5; Department of Water Resources; California Coastal Commission; California Highway Patrol; Caltrans, District 11; Air Resources Board, Airport Projects; Department of Toxic Substances Control; Caltrans, Division of Aeronautics; Department of Boating and Waterways

Date Received 01/17/2006

Start of Review 01/17/2006

End of Review 02/15/2006

Note: Blanks in data fields result from insufficient information provided by lead agency.

| | Regional Water Quality Control Board (RWQCB) Rwace 1 Cathleen Hudson North Coast Region (1) Rwace 2 Environmental Document Coordinator San Francisco Bay Region (2) Rwace 4 Jonathan Bishop Los Angeles Region (4) Rwace 5S Central Valley Region (5) Fresho Branch Office Central Valley Region (5) Rwace 6 Lahontan Region (6) Rwace 6 Lahontan Region (6) Rwace 6 Lahontan Region (6) Victorville Branch Office Rwace 6 Lahontan Region (6) Rwace 8 Santa Ana Region (8) Rwace 8 Santa Ana Region (9) Rwace 9 San Diego Region (9) | Last Updated on 08/10/05 |
|-----------------------|---|-----------------------------------|
| D) 600 | Caltrans, District 8 Dan Kopulsky Dan Kopulsky Caltrans, District 10 Tom Dumas Caltrans, District 10 Tom Dumas Caltrans, District 11 Mario Orso Caltrans, District 12 Bob Joseph Cal EPA Air Resources Board Air Resources Board Air Resources Board Mike Tolistrup California Integrated Waste Management Board Sue O'Leary State Water Resources Control Board Jim Hockenberry Division of Financial Assistance State Water Resources Control Board State Water Resources Control Board State Water Resources Control State Water Resources Control State Water Resources Control State Water Resources Control Certification Unit Division of Water Rights Dept. of Toxic Substances Control CEQA Tracking Center Department of Pesticide Regulation | |
| County: SAN DI | Public Utilities Commiss Ken Lewis State Lands Commission Jean Sarino Tahoe Regional Planning Agency (TRPA) Cherry Jacques Business, Trans & Housin Agency (TRPA) Cherry Jacques Sandy Hesnard Caltrans - Planning Terri Pencovic Caltrans - Planning Terri Pencovic Caltrans - Planning Terri Pencovic Caltrans - District 1 Rex Jackman Caltrans, District 2 Marcelino Gonzalez Caltrans, District 3 Katherine Eastham Caltrans, District 4 Tim Sable Caltrans, District 5 David Murray Caltrans, District 5 David Murray Caltrans, District 5 David Murray Caltrans, District 5 Caltrans, District 5 Caltrans, District 5 Caltrans, District 7 Cheryl J. Powell | |
| (1) (A) | Fish & Game Region 3 Robert Floerke Fish & Game Region 4 Mike Mulligan Fish & Game Region 5 Don Chadwick Habitat Conservation Program Fish & Game Region 6 Gabrina Gatchel Habitat Conservation Program Fish & Game Region 6 I/M Tammy Allen Inyo/Mono, Habitat Conservation Program Dept. of Fish & Game M George Isaac Marine Region Other Departments Food & Agriculture Steve Shaffer Dept. of General Services Public School Construction Dept. of General Services Public School Construction Dept. of Health Services Robert Sleppy Environmental Services Section Dept. of Health/Drinking Water Independent Commissions. Boards Dept. of Health/Drinking Water Independent Commissions. Boards Dept. of Stalfe Governor's Office of Planning & Research State Clearinghouse Native American Heritage Comm. Debbie Treadway | |
| NOP Distribution List | Resources Agency Nadell Gayou Nadell Gayou Dept. of Boating & Waterways David Johnson Elizabeth A. Fuchs Commission Elizabeth A. Fuchs Colorado River Board Gerald R. Zimmeman Dept. of Conservation Roseanne Taylor California Energy Commission Roseanne Taylor California Energy Commission Roseanne Taylor California Energy Commission Allen Robertson Office of Historic Preservation Wayne Donaldson Dept. of Forestry & Fire Protection Allen Robertson Office of Historic Preservation Wayne Donaldson Dept. of Water & Recreation Environmental Stewardship Section Beclamation Board DeeDe Jones S.F. Bay Conservation & Devt. of Water Resources Resources Agency Nadell Gayou Depart. of Fish & Game Scott Flint Environmental Services Division Fish & Game Region 1 Donald Koch | Fish & Game Region 2 Banky Curlis |

NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364 SACRAMENTO, CA 95814 (916) 653-4082 (916) 657-5390 - Fax



January 30, 2006

Mr. Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Re: San Diego International Airport Master Plan

RECEIVED

FEB 06 2006

SCH# 2005091105

PLANNING DEPT. #44

Dear Mr. Anasis:

Thank you for the opportunity to comment on the above-referenced document. In order to adequately identify and mitigate project-related impacts on cultural resources in accordance with the CEQA Guidelines (15063 (d) (3), the Commission recommends that you provide evidence that all of the following actions be taken:

- Contact the appropriate California Historic Resources Information Center for a record search. The record search will determine:
 - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
 - If any known cultural resources have already been recorded on or adjacent to the APE.
 - If the probability is low, moderate, or high that cultural resources are located in the APE.
 - If a survey is required to determine whether previously unrecorded cultural resources are present.
- If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - The final report containing site forms, site significance, and mitigation measurers should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for pubic disclosure.
 - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- Contact the Native American Heritage Commission (NAHC) for a Sacred Lands File search of the project area and information on tribal contacts in the project vicinity who may have additional cultural resource information.
 - Please provide U.S.G.S. location information for the project site, including Quadrangle, Township, Section, and Range.
 - We recommend that you contact all tribes listed on the contact list to avoid the unanticipated discovery of sensitive Native American resources after the project has begun.
- Lack of surface evidence of archeological resources does not preclude their subsurface existence.
 - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5 (f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
 - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
- Lead agencies should include provisions for discovery of Native American human remains or cemeteries in their mitigation plans. Health and Safety Code §7050.5 and Public Resources Code §15064.5 (e) and §5097.98 mandate procedures to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.
- Lead agencies should consider avoidance, as defined in Section 15370 of the CEQA Guidelines, when significant cultural resources are discovered during the course of project planning.

Please feel free to contact me at (916) 653-6251 if you have any questions.

Sincerely.

Carol Gaubatz

Martas

Program Analyst

State Clearinghouse

CC:

DEPARTMENT OF TRANSPORTATION

DIVISION OF AERONAUTICS – M.S.#40 1120 N STREET P. O. BOX 942873 SACRAMENTO, CA 94273-0001 PHONE (916) 654-4959 FAX (916) 653-9531 TTY (916) 651-6827



RECEIVED

FEB 14 2006

PLANNING DEPT: #44

February 9, 2006

Mr. Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92101

Dear Mr. Anasis:

Re: Notice of Preparation of a Draft Environmental Impact Report for the San Diego International Airport Master Plan Update; SCH# 2005091105

The California Department of Transportation (Caltrans), Division of Aeronautics (Division), reviewed the above-referenced document with respect to airport-related noise and safety impacts and regional aviation land use planning issues pursuant to the California Environmental Quality Act (CEQA). The Division has technical expertise in the areas of airport operations safety and airport land use compatibility. We are a funding agency for airport projects and we have permit authority for public and special use airports and heliports. The following comments are offered for your consideration.

The San Diego County Regional Airport Authority (SCDRAA) is updating the San Diego International Airport Master Plan to accommodate existing and future demand for air travel in the San Diego Region through 2015. The project to be evaluated in the Draft Environmental Impact Report (DEIR) consists of "two key components" according to the Notice of Preparation (NOP). The first component is the Airport Land Use Plan, which will describe four general categories of land use on the airport: airfield, terminal, ground transportation and airport support. The second component is implementation of specific projects contained in the Airport Master Plan, called the Airport Implementation Plan.

We ask that you provide copies of all airport master plan documents to the Division for review. The airport master plan coordinator for San Diego County, Philip Crimmins, can be contacted at (916) 654-6223.

Prior to releasing State funds for airport projects, the Division, as a Responsible Agency, must ensure that the proposal is in full compliance with CEQA. The issues of primary concern to us include airport-related noise and safety impacts on the surrounding community as well as the community's potential effect on airport operations.

CEQA, Public Resources Code Section 21096, requires the Caltrans Airport Land Use Planning Handbook (Handbook) be utilized as a resource in the preparation of environmental documents for projects within an airport land use compatibility plan boundaries or if such a plan has not been adopted, within two miles of an airport. The Handbook is a resource that should be applied to all public use airports and is published on-line at http://www.dot.ca.gov/hq/planning/aeronaut/.

Mr. Ted Anasis February 9, 2006 Page 2

Public Utilities Code (PUC) Section 21676.c requires that "each public agency within the boundaries of an airport land use commission plan shall, prior to the modification of its airport master plan, refer such proposed change to the airport land use commission." The airport land use commission must then determine whether the proposed master plan is consistent or inconsistent with the adopted compatibility plan for that airport. If inconsistencies are identified, then the airport land use commission should take steps to amend its airport land use compatibility plan.

PUC Section 21659 prohibits structures from penetrating airport imaginary surfaces in accordance with Federal Aviation Regulations (FAR) Part 77. The guidance in the Federal Aviation Administration (FAA) Advisory Circular 150/5370-2E, *Operational Safety on Airports During Construction*, should also be incorporated into the project design in order to identify any permanent or temporary construction-related impacts (e.g. construction cranes, etc.) to the airport/heliport imaginary surfaces. This advisory circular is available at http://www.faa.gov/ARP/publications/-acs/5370-2e.pdf. Depending on structural heights during construction, the FAA may require a Notice of Proposed Construction or Alteration (Form 7460-1) pursuant to FAR Part 77. Form 7460-1 is available at http://forms.faa.gov/forms/faa7460-1.pdf.

The protection of airports from incompatible land use encroachment is vital to California's economic future. Although the need for compatible and safe land uses near airports in California is both a local and a state issue, airport staff, airport land use commissions and airport land use compatibility plans are key to protecting an airport and the people residing and working in the vicinity of an airport. Consideration given to the issue of compatible land uses in the vicinity of an airport should help to relieve future conflicts between airports and their neighbors.

These comments reflect the areas of concern to the Division of Aeronautics with respect to airport-related noise and safety impacts and regional airport land use planning issues. We advise you to contact our District 11-San Diego Office at (619) 688-6785 concerning surface transportation issues.

Thank you for the opportunity to review and comment on this proposal. We look forward to reviewing all future documentation for the Airport Master Plan update. If you have any questions, please call me at (916) 654-5314.

Sincerely,

SANDY HESNARD

Sandyloneu

Aviation Environmental Specialist

c: State Clearinghouse

California Department of Transportation - District 11
Planning Division - Development Review
P. O. Box 85406 (M.S. 50)
San Diego, CA 92186-5406

Attn: Brent C. McDonald

(619) 688-6819 FAX: 688-4299

brent.mcdonald@dot.ca.gov



Fax

| Comme | nts: | | | | | | |
|----------|---------------------------|---|-------|---------------------|-----------|------------------|-------|
| □ Urgent | ☐ For Review ☐ Please Com | | nment |] Please | Reply | ☐ Please Recycle | |
| | Master Plan – re | | State | State ClearingHouse | | _ | |
| Re: | San Diego Intern | ational Airport | cc: | Scot | it Morgar | 1 | |
| Fax: | (619) 400-2448 | | Date: | Febi | ruary 15, | 2006 | Land. |
| Phone: | (619) 400-2478 | *************************************** | Pages | <u> 6</u> | (incl. co | ver sheet) | , |
| | Regional Airport | Authority | | | | <u> </u> | |
| To: | Ted Anasis | | From: | Brer | nt C. McE | Donald | |

San Diego County Regional Airport Authority SCH 2005091105

(hard copy to follow via regular mail)

RECEIVED

FEB 15 2006

PLANNING DEPT. #44

DEPARTMENT OF TRANSPORTATION

District 11 · 2829 Juan Street P. O. BOX 85406, M.S. 50 San Diego, CA 92110-2799 PHONE (619) 688-6954 FAX (619) 688-4299



Flex your power!
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February 15, 2006

11-SD-005 PM 17.53

Mr. Ted Anasis San Diego County Regional Airport Authority P. O. Box 82776 San Diego, CA 92138-2776

RE: San Diego International Airport Master Plan - revised NOP (SCH 2005091105)

To Mr. Anasis:

The California Department of Transportation (Caltrans) appreciates the opportunity to review the revised Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the San Diego International Airport (SDIA) Master Plan. Interstate 8 (I-8), State Route 163 (SR-163), and especially Interstate 5 (I-5) are State Highways in the immediate vicinity of the Airport which could be affected by changes proposed in the Master Plan.

Please address the comments from the Department's previous letter to the Regional Airport Authority dated October 18, 2005 (attached). Thank you again for the opportunity to be involved in the Master Plan process. Caltrans looks forward to continuing cooperation with the Airport Authority in coordinating land use and transportation issues. If you have any questions on the Department's comments, please contact Brent McDonald at (619) 688-6819.

Sincepely,

MARIO H/ORSO, Chief Development Review Branch

cc: BMcDonald

Dev. Rvw.

MS-50

EAllegre

Planning

MS-50

EGojuangco

Frwy. Ops.

MS-55

SMorgan

State ClearingHouse(SCH)

P.03/06

STATE OF CALIFORNIA IC SINESS, TRANSPORTATION AND HOLISING AGENCY.

ARNOUD SCHWABZENLGOER, Giwerner

DEPARTMENT OF TRANSPORTATION

District 11 - 2829 Juan Succi P. O. BOX 85406, M.S. 50 San Diego, CA 92110-2799 PHONE (619) 688-6954 FAX (619) 688-4299



Flee your power! Be energy efficient!

October 18, 2005

11-SD-005 PM 17.53

Mr. Ted Anasis San Diego County Regional Airport Authority P. O. Box 82776 San Diego, CA 92138-2776

San Diego International Airport Master Plan - NOP (SCH 2005091105) RE:

To Mr. Anasis:

The California Department of Transportation (Caltrans) appreciates the opportunity to review the Notice of Preparation (NOP) of a Draft Environmental Impact Report (EIR) for the San Diego International Airport Master Plan. Given our mission of improving mobility and our direct responsibility as the owner / operator of the State Highway System, Caltrans considers itself a key stakeholder in regional transportation planning efforts. The State highways serving the airport (e.g., Interstate 5 [I-5], Interstate 8 [I-8], State Route 163 [SR-163]) should be regarded as both local and regional assets that facilitate access and mobility needs for the entire San Diego region.

Caltrans believes that the San Diego International Airport (SDIA), as one of the region's primary transportation hubs, should possess a well-balanced, multi-modal transportation system that accommodates travel to and from the City of San Diego and beyond. Caltrans encourages the Airport Authority to incorporate the following ideals from a multi-modal, "smart growth" vision: design features and siting which encourage walking and bicycling, vastly expanded public transit options, accessibility for children, the elderly, and persons with disabilities, and transit priority measures. Given the importance of mobility options, the Master Plan should provide an assessment of how various transportation options will be incorporated into the project.

Of particular concern to Caltrans is how this Master Plan will affect the State Highway system. Interstate 5 is the primary regional roadway serving SDIA, providing access to local streets and arterials connecting to North Harbor Drive and the Airport's major activity centers. I-5 currently experiences congestion during the morning and evening peak periods. Changes to land use in the Airport area may contribute to vehicular demand which exceeds the capacity for this facility, particularly at the local interchange ramps to/from I-5.

The San Diego Association of Governments (SANDAG) prepares the Regional Transportation Plan (RTP) and the Regional Transportation Improvement Program (RTIP) to document how improvements to local and regional transportation facilities in the San Diego region are to be implemented to address transportation deficiencies. The San Diego International Airport Master

Mr. Ted Anasis October 18, 2005 Page 2

Plan should clearly document a nexus between phased implementation of the RTP and RTIP with implementation of the Master Plan. In order to assure sound coordination between transportation and land use, additional airport land use intensification affecting the local and regional circulation system should only be implemented subject to the development of accompanying transportation projects. Concurrently staged development of transportation and land use is necessary to maintain adequate mobility for travelers in the San Diego region.

Cumulative impacts of a project, together with other related projects, must be considered when determining a project's impacts. A cumulative impact is the sum of the impacts of existing conditions, other projects, and the project – no matter how small the contribution is from the project itself. There is no minimum size limitation on developments that may be required to mitigate for cumulative impacts if the project contributes to a traffic or congestion problem in any amount. Caltrans supports the concept of "fair share" contributions on the part of developers for future interchange improvement projects and/or other mitigation measures, such as freeway mainline improvements.

Land use intensity changes may necessitate mitigation requirements in order to effectively deal with increased impacts. Caltrans may suggest that the Airport Authority pursue Locally Funded Project highway / interchange improvements. The locally funded improvement process includes a Project Study Report (PSR), Project Report and Environmental Document, final design, and construction of improvements. Potential improvements may include – but not be limited to – widening I-5, widening existing ramps, ramp metering, modification to ramp signals, and/or adding auxiliary lanes to I-5.

The Central Interstate 5 Corridor Study (November 2002) developed an effective program of transportation improvements to address overall freeway congestion as well as access issues between I-5 and major activity centers in and around the Downtown / Airport area. Caltrans encourages the Airport Authority to integrate plan concepts and transportation improvements from the Central I-5 Corridor Study into the Master Plan. Caltrans also supports the participation of local transit agencies (SANDAG / Metropolitan Transit System [MTS]) in the Master Plan. As a transportation partner in the San Diego region, Caltrans expects that MTS's TransitWorks and Transit First! endeavors will be integrated into the Master Plan. Caltrans also encourages the Airport Authority to work with SANDAG and Caltrans on future updates to the RTP. SANDAG latest RTP (Mobility 2030 [April 2003]) includes recommendations from the aforementioned Central I-5 Study, which are based on land-use assumptions from previous Master Plan endeavors. In this study, long-range improvements to I-5 assumed terminal development on the north side of the airfield with associated internal roadway circulation. Current Master Plan proposals have since relocated such terminal expansion back to the south side of the airfield.

SANDAG's latest Regional Transportation Plan (RTP) calls for the development of a regional system of HOV / Managed Lanes as well as a robust "Bus Rapid Transit" (BRT) system to accompany existing light rail transit and commuter rail systems. It is anticipated that SANDAG

will continue this policy of system development in future RTPs as San Diego County's local transportation sales tax program (TransNet) is implemented. Within the sphere of influence of the current Lindbergh Field site, long-range improvement plans for I-5 include additional widening to accommodate high-occupancy vehicle (HOV) lanes. While these improvements are anticipated beyond the proposed Master Plan's time horizon, it is important to note the region's commitment to increasing freeway capacity, as well as increasing vehicle occupancy and transit ridership. Caltrans recommends that the proposed Master Plan develop viable transportation / circulation concepts that foster and complement the region's commitment to the major transportation systems in the vicinity of the current Lindbergh Field site. The Airport Authority should also work with the City of San Diego to develop, refine, and otherwise maximize the utility of the existing local roadway system that serves not only Lindbergh Field but surrounding communities as well.

Transportation / circulation improvements in the Master Plan should take advantage of short-and mid-range regional investments in light rail transit (e.g., the newly-opened Green Line Trolley, proposed light rail [LRT] extension from Old Town to University City / UTC) as well as commuter rail transit (e.g., expanded Coaster service). Transportation / circulation improvements in the Master Plan should also harmonize with long-range regional investments in freeways (e.g., HOV facilities on I-5) as well as commuter and intercity rail (e.g., double-tracked LOSSAN rail corridor). Including practical and coordinated transportation / circulation plans in the Master Plan would provide a solid foundation to build upon should the current Lindbergh Field site remain the region's long-term aviation solution.

Understanding the proposed Master Plan's context within the regional transportation planning process, Caltrans recommends the Airport Authority work with the City of San Diego and the Centre City Development Corporation (CCDC) to establish Pacific Highway as a regional high-occupancy vehicle (HOV) corridor from I-8 to downtown. Street treatments which improve travel times to HOV and transit vehicles along Pacific Highway would support HOV / transit connectivity between Lindbergh Field, Old Town, and the downtown Central Business District. In the short-term, HOV priority on Pacific Highway could support the existing Route 992 Flyer service to downtown, as well as support intermodal connections to and from in the proposed Ground Transportation Center on the north side of the airfield. In the long-term, HOV / transit vehicles on Pacific Highway could connect to future HOV lanes on I-5 should Lindbergh Field remain the only commercial airport in the region.

Also, coordinating the Airport Master Plan within the regional transportation planning process, Caltrans recommends the Airport Authority work with the Caltrans and the City of San Diego to ensure adequate operations at critical street segments serving Interstate 5. There are five (5) local streets within the sphere of influence of Lindbergh Field that either directly or indirectly provide access to Interstate 5: Washington, Sassafras, Laurel, Hawthorn, and Grape Streets. Caltrans currently does not currently have plans to improve the local interchange ramps within this highly constrained portion of I-5. With the anticipated increase in traffic levels on each of

these local streets by the year 2015, local street and freeway ramp and mainline operations may be adversely affected.

Continuing further coordination of the Master Plan and local transportation concerns, Caltrans recommends the Airport Authority work with the City of San Diego to ensure adequate operations at critical street segments having at-grade rail crossings. There are six (6) local streets within the sphere of influence of Lindbergh Field that have at-grade crossings with the San Diego Northern Railway: Washington, Sassafras, Palm, Laurel, Hawthorn, and Grape Streets. Short and mid-range plans call for increased intercity, commuter, and freight rail service on this busy rail corridor, which will further increase crossing delays. With the anticipated increase in traffic levels on each of these local streets by the year 2015, an increase in rail operations could significantly impact access to and from the airport and the surrounding environs.

Caltrans recognizes the important link between transportation and land use, which is especially critical in the regional transportation hub that is the San Diego International Airport. Caltrans does acknowledge that the proposed Master Plan for SDIA only addresses short-range deficiencies (to the year 2015) at the current Lindbergh Field site and understands the context in which the Master Plan process fits within the Airport Authority's plans to increase address the region's long-range aviation needs (i.e., the Airport Site Selection Program [ASSP]). However, the previously mentioned issues and concerns remain pertinent for airport planning at this site. Thank you again for the opportunity to be involved in the Master Plan process. Caltrans looks forward to continuing cooperation with the San Diego County Regional Airport Authority in coordinating land use and transportation issues. Caltrans envisions a continuing level of participation in the Plan and subsequent activities, and we encourage a more committed partnership to reflect this vision. If you have any general questions on the Department's comments, please contact Brent McDonald at (619) 688-6819.

Sincer#ly,

MARIO H. ÓRSO, Chief Development Review Branch

cc: BMcDonald Dev. Rvw, MS-50
EAllegre Planning MS-50
EGojuangco Frwy. Ops. MS-55

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"Caltrans improves mobility across California"

PUBLIC UTILITIES COMMISSION

320 WEST 4TH STREET, SUITE 500 LOS ANGELES, CA 90013



February 16, 2006



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Ted Anasis San Diego Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776



Dear Mr. Anasis:

Re: SCH# 2005091105; San Diego Regional Airport Master Plan

As the state agency responsible for rail safety within California, we recommend that any development projects planned adjacent to or near the BNSF Railway Company right-of-way be planned with the safety of the rail corridor in mind. New developments may increase traffic volumes not only on streets and at intersections, but also at at-grade highway-rail crossings. This includes considering pedestrian circulation patterns/destinations with respect to railroad right-of-way.

Safety factors to consider include, but are not limited to, the planning for grade separations for major thoroughfares, improvements to existing at-grade highway-rail crossings due to increase in traffic volumes and appropriate fencing to limit the access of trespassers onto the railroad right-of-way.

The above-mentioned safety improvements should be considered when approval is sought for the new development. Working with Commission staff early in the conceptual design phase will help improve the safety to motorists and pedestrians.

Please advise us on the status of the project. If you have any questions in this matter, please contact me at (213) 576-7078 or at rxm@cpuc.ca.gov.

Sincerely,

Rosa Muñoz, PE.

Utilities Engineer

Rail Crossings Engineering Section
Consumer Protection & Safety Division

C: John Shurson, BNSF Railway Company

ubject: Notice of Preparation (Revised) of a Draft Environmental Impact Report

| y | Of a Dian Line | - | JAN 23 2006 |
|---------------------|---|--|--------------------|
| Lead Agency: | San Diego County Regional Airport | | |
| Agency Name | Authority | | PLANNING DEPT. |
| Mailing Address | P.O. Box 82776 San Diego, CA 92138-2776 | Gregory J. Smith, Recorder/County Clerk | |
| Physical Address | 3225 N. Harbor Drive San Diego, CA 92101 | JAN 1 7 2006 | |
| | Anasis, AICP County Regional Airport Authority (SDCRA) | DEPUTY A) will be the CEOA Lead Agency ar | nd will prepare an |

The San Diego County Regional Airport Authority (SDCRAA) will be the CEQA Lead Agency and will prepare an Environmental Impact Report (EIR) for the project identified below. We need to know the views of your agency as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval for the project.

The SDCRAA is requesting input from interested government and quasi-government agencies, other organizations and private citizens regarding the scope and content of environmental information to be included in the EIR. Public agencies receiving this notice may need to use the EIR prepared by the SDCRAA when considering their permits or other approvals for the proposed

Any public agencies that respond to this Notice of Preparation are requested, at a minimum, to:

- Describe significant environmental issues, reasonable alternatives and mitigation measures that they would like to have addressed in the Draft EIR.
- State whether they are a responsible or trustee agency for the project, explain why and note the specific project elements that are subject to their regulatory authority.
- Provide the name, address and phone number of the person who will serve as their point of contact throughout the environmental review process for this project.

The project description, location and the potential environmental effects are contained in the attached materials.

Due to the time limits mandated by State law, your response must be sent at the earliest possible date but not later than 30 days after receipt of this notice.

Please send your response to Ted Anasis, AICP, at the mailing address shown above. We will need the name for a contact person in your agency.

| | International Airport Master Plan | San Diego County |
|-------------------------------|---|---------------------|
| Project Location: | City of San Diego City (nearest) | County |
| Project Description: | | |
| See the following description | of the proposed project and alternatives. | |
| Date January 13, 2006 | Signature / Lek | |
| | Title Manager, Airport Plan | ning |
| | Telephone 619.400.2478 | |
| | | nna(-) 15102 1527\$ |

Reference: California Code of Regulations, Title 14, (CEQA Guidelines) Sections 15082(a), 15103, 15375.

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3165 Pacific Highway, San Diego, CA 92101 P.O. Box 120488, San Diego, CA 92112-0488 619.686.6200 * www.portofsandiego.org

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VICE PRESIDENT STRATE //

February 14, 2006

Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Re: SDIA Airport Master Plan Notice of Preparation (NOP)

Dear Mr. Anasis:

Thank you for the opportunity to comment on the Notice of Preparation for the San Diego International Airport Master Plan. The Port of San Diego, as former administrator for the Airport for over 40 years, recognizes and understands the sensitive and complicated issues surrounding land use in and around airports. We are particularly interested in the Airport's Master Planning efforts in that the Airport and District share a common boundary.

We would appreciate very much the opportunity to discuss the Airport Master Plan with you, understand what the Airport's goals and objectives are and work with you in a meaningful and productive manner towards achieving a mutually beneficial outcome. We are hopeful that the Airport Authority and Port District can continue to have meaningful dialog regarding this and other issues, especially considering the Airport's potentially significant impacts to the Port tidelands.

We look forward to reviewing the Draft EIR and providing comments and input as your Master Plan progresses.

Sincerely:

John'W. Helmér

Manager, Planning Services

Land Use Planning

Unified Port of San Diego

Cc:

Dan Wilkens Ralph Hicks

Ellen Corey-Born Irene McCormack



County of San Diego

GARY W. ERBECK DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH LAND AND WATER QUALITY DIVISION

P.O. BOX 129261, SAN DIEGO, CA 92112-9261 619-338-2222/FAX 619-338-2315/1-800-253-9933 www.sdcounty.ca.gov/deh/lwq

March 27, 2006

Mr. Rick Adcock San Diego Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Dear Mr. Adcock:

VOLUNTARY ASSISTANCE PROGRAM CASE #H04497-016 COMMENTS ON NOTICE OF PREPARATION OF A DRAFT ENVIRONMANTAL IMPACT REPORT FOR THE FORMER GENERAL DYNAMICS FACILITY LOCATED AT 3302 PACIFIC HIGHWAY, SAN DIEGO, CA 92101

I have received and reviewed the *Notice of Preparation (Revised) of a Draft Environmental Impact Report (EIR)*. The notice identifies proposed development changes at the San Diego International Airport in accordance with the new Airport Master Plan. You have requested that we comment on the proposed future developments and if there are any impacts from known contamination that would require cleanup or other special conditions.

I will comment only about the proposed developments to the airport, identified in the report, that involve the property previously occupied by General Dynamics (GD).

Several areas were identified to be contaminated on the former GD site, with various compounds, such as petroleum hydrocarbons, oils, solvents and metals. Each area was investigated and appropriate remedial actions taken to mitigate impacts. The Airport improvements proposed for the former GD area do not appear to require any additional remedial action, or other special conditions. Due to the inherent uncertainties of environmental investigation work contamination might exist that was not identified by the previous work. Therefore, we recommend that an experienced environmental consultant monitor all soil excavation and removal. If previously unidentified contamination is discovered which may affect public health, safety and/or water quality, additional site assessment and cleanup may be necessary.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or the Porter Cologne Water Quality Control Act.

If you have any questions, please call me at (619) 338-2244.

Sincerely.

DONN A. LiPERA, Project Manager Site Assessment and Mitigation Program

DAL:kd

cc: Bill Hays, Port District

un a. Z

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APR 03 2000

SDCRAA Environmental Affairs Department

WP/H04497-016-306VAPCON



SAN DIEGO OFF-AIRPORT PARKING ASSOCIATION

RECEIVED

MEMBERS

February 9, 2006

FEB 15 2006

AMPCO System Parking

San Diego County Regional Airport Authority

PLANNING DEPT. #44

Five Star Parking

Park & Ride Airport Parking Attn: Mr. Ted. Anasis

P.O. Box 82776

San Diego, CA 92138-2776

OFFICERS

RE: Comments on Airport Master Plan Revised Draft EIR

Paul Chacon President

Dear Mr. Anasis:

Thomas J. Traver

Treasurer

leff, S. Fuller Secretary We are submitting our comments to you regarding the Revised Airport Master Plan Draft EIR. After reviewing the revised plan, we have identified the following areas of concern.

Construct a new parking structure, departure curb and vehicle circulation serving Terminal 2 (Page 6 of 9)

There was not enough detailed information on this proposal provided in the Revised Draft EIR. All that was mentioned in the Master Plan was that it might be two or four levels. Our questions are as follows:

- We would like to know how many spaces are being proposed for this two or four level structure?
- What the demand for parking will be over the next ten, twenty and thirty years?
- What are the proposed uses for excess parking capacity until demand catches up with supply?
- Does the Airport Authority plan on expanding its long term parking business utilizing the additional spaces at the proposed Terminal 2 parking structure?



SAN DIEGO OFF-AIRPORT PARKING ASSOCIATION

Continued

Comments on Airport Master Plan Revised EIR

Relocate and reconfigure SAN Park Pacific Highway (Page 6 of 9)

The Master Plan will relocate and expand the SAN Park Pacific Highway parking facility currently at 1,670 public parking spaces to approximately 2,170 spaces. Our questions are as follows:

- What criteria did the Airport Authority use to justify the expansion of this parking facility?
- What is the demand for off-airport parking over the next ten, twenty and thirty years?
- We would like to know the defined parking space expansion proposal for this facility. An approximation of 2,170 is not definitive enough. Could it be more spaces? Could it be fewer spaces?

Passenger to parking space formula

Is there a passenger to parking space formula for airports? How many parking spaces will San Diego International Airport need to serve the anticipated growth in passenger traffic?

In summary, we do want express that it is a challenge to provide thoughtful and useful feedback on the revised draft EIR because it is missing important details on issues like the proposed Terminal 2 parking structure and the impact of the Airport Master Plan on Harbor Drive and the surface transportation network.

We look forward to hearing your responses to our questions and concerns.

Sincerely,

Paul Chacon President



Airport Parking

3550 Kettner Blvd. San Diego, CA 92101

February 14, 2006

(619) 295-6659 295-2832 FAX 287-8957

San Diego County Regional Airport Authority Attn: Mr. Ted. Anasis P.O. Box 82776 San Diego, CA 92138-2776

RE: Comments on Airport Master Plan Revised Draft EIR

Dear Mr. Anasis:

We are submitting additional comments to you regarding the Revised Airport Master Plan Draft EIR. After reviewing the revised plan, we have identified the following area of concern.

Relocate and reconfigure SAN Park Pacific Highway (Page 6 of 9)

The Master Plan will relocate and expand the SAN Park Pacific Highway parking facility currently at 1,670 public parking spaces to approximately 2,170 spaces. Our questions are as follows:

- What criteria did the Airport Authority use to justify the expansion of this parking facility?
- What is the demand for off-airport parking over the next ten, twenty and thirty years?
- We would like to know the defined parking space expansion proposal for this facility. An approximation of 2,170 is not definitive enough.
 - o Could it be more spaces?
 - o Could it be fewer spaces?

We look forward to learning more about this project.

Sincerely,

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Thomas J. Traver

Vice President

Park & Ride Airport Parking

FEB 15 2006

PLANNING DEPT. #44

February 7, 2006

Dear Mr. Anasis

I am writing to you as a citizen concerning the San Diego International Airport Master Plan Environmental impact report.

As a follow up to our conversation, I wish to restate my concerns of possible historic resources at San Diego Airport to include the Future Planning Areas.

I would request the master plan address the historic resources at the entire airport site. Specifically, that a historic site survey be undertaken to identify structures more than 45 years of age on all airport authority property.

Additionally, that an individual assessment of each identified structure be undertaken. The assement would include but not limited to condition, historicity and alterations. The survey and assement should be undertaken by a qualified historic architectural firm.

I would hope that identified historic resources can be preserved and an adapted reuse be undertaken. A near by example is the SPWAR site or San Diego Port Authority Building.

A base line of historic methodology or standards needs to be clarified as to whether State, County or City will be followed. I believe it should be a blending of standards. Local historic resources boards in the County of San Diego and City of San Diego should be kept informed as to the historic resources at San Diego International Airport. These two groups should be given an opportunity to give input once a survey and assessment is completed.

Sincerely

Otto Emme 2290 Via Lucia

La Jolla CA 92037

858 454 1991

ooemme@san.rr.com

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FEB 13 2006

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|--|----------------|----------------------|----------------|
| STATE AGENCIES | | | |
| State of California Governor's Office of Planning and Research State Clearinghouse and Planning Unit 1400 Tenth Street P.O. Box 3044 Sacramento, CA 95812-3044 | 09/20/05 | 10/10/05 | US Mail |
| Scott Morgan Senior Planner (916) 445-0613 - phone (916) 323-3018 - fax | | | |
| Air Resources Board 1001 "I" Street P.O. Box 2815 Sacramento, CA 95812 Gary Honcoop Manager, Strategic Analysis and Liaison Section (916) 322-8474 - phone (916) 322-6007 - Dr. Jim Lerner, addt'l contact | 10/06/05 | 10/12/05 | US Mail |
| State of California Department of Transportation District 11 2829 Juan Street P.O. Box 85406, M.S. 50 San Diego, CA 92110-2799 Mario H. Orso Chief, Development Review Branch (619) 688-6954 - phone (619) 688-4299 - fax (619) 688-6819 - Brent McDonald, addt'l contact | 10/18/05 | 10/18/05 10/21/01 | Fax US Mail |
| Department of Toxic Substances Control 5796 Corporate Avenue Cypress, CA 90630 Greg Holmes Unit Chief Southern California Cleanup Operations Branch - Cypress Office (714) 484-5477 - Teresa Hom, Proj Mgr, addt'l contact thom@dtsc.ca.gov | 10/20/05 | 10/25/05 | US Mail |
| Native American Heritage Commission 915 Capitol Mall, Room 364 Sacramento, CA 95814 Carol Gaubatz Program Analyst (916) 653-6251 - phone (916) 657-5390 - fax | 10/24/05 | 10/31/05 | US Mail |

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| LOCAL AGENCIES | | | |
| San Diego County Office of the County Clerk 1600 Pacific Highway San Diego, CA 92101 | 09/21/05 (Filing Notice) | 09/26/05 | US Mail |
| Gregory J. Smith Recorder/County Clerk | | | |
| SANDAG 401 "B" Street, Suite 800 San Diego, CA 92101-4231 | 10/12/05 | 10/14/05 | US Mail |
| Toni Bates Division Director of Transit Planning (619) 699-1900 - phone (619) 699-1905 - fax | | | |
| City of San Diego Planning Department 202 "C" Street, MS 5A San Diego, CA 92101-3865 | 10/19/05 | 10/19/05 | Delivered |
| Keith Greer Deputy Director (619) 236-6479 - phone (619) 236-6478 -fax (619) 533-4550 - Tait Galloway, Assoc Planner, addt'l contact | | | |
| San Diego Unified Port District 3165 Pacific Highway San Diego, CA 92101 P.O. Box 120488 San Diego, CA 92112-0488 | 10/19/05 | 10/19/05 10/21/05 | Fax US Mail |
| Ralph T. Hicks Director, Planning (619) 686-6200 - phone (619) 686-6508 - fax (619) 686-6282 - Wileen Manaois, Planner, addt'l contact | | | |

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| ORGANIZATIONS | | | |
| Park & Ride Airport Parking | 09/23/05 | 09/26/05 | US Mail |
| 3550 Kettner Blvd. | | | |
| San Diego, CA 92101 | | | |
| Thomas J. Traver | | | |
| Vice President | | | |
| (619) 295-6659 or 295-2832 - phone | | | |
| (619) 287-8957 - fax | | | |
| Peninsula Community Planning Board | 10/20/05 | 10/20/05 | Community Group Meeting |
| Cynthia Conger | | | Modalig |
| Chair | | | |
| SANNoise | 10/20/05 | 10/20/05 | E-mail |
| P.O. Box 70194 | | 10/24/05 | US Mail |
| San Diego, CA 92167 | | | |
| Lance G. Murphy | | | |
| (619) 892-5003 - phone | | | |
| lance-janette@cox.net | | | |
| sannoise@cox.net | | | |
| Luce, Forward, Hamilton & Scripps LLP | 10/21/05 | 10/21/05 | Fax |
| 600 West Broadway, Suite 2600 | | 10/26/05 | US Mail |
| San Diego, CA 92101-3372 | | | |
| (Representing tenant: Jimsair Aviation Services, Inc.) | | | |
| Stephen L. Marsh | | | |
| Partner | | | |
| (619) 699-2418 - phone | | | |
| (619) 645-5363 - fax | | | |
| smarsh@luce.com | | | |
| McMillin-NTC, LLC | 10/21/05 | 10/21/05 | E-Mail |
| 2750 Womble Road | | | |
| San Diego, CA 92106 | | | |
| Kathleen Riser | | | |
| Vice President - Project Management | | | |
| (619) 794-1307 - phone | | | |
| (619) 336-3027 - fax | | | |
| kriser@mcmillin.com | | | |
| | | | |

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| INDIVIDUALS | | | |
| Richard S. Phillips 1712 Granada Avenue San Diego, CA 92102 | 09/21/05 | 09/26/05 | US Mail |
| Karen F. Tom Project Manager, Interior Design Smith Consulting Architects 12220 El Camino Real, Suite 200 San Diego, CA 92130 (858) 793-4777 x207 - phone (858) 793-4787 - fax karent@sca-sd.com | 09/22/05 | 09/22/05 | E-Mail |
| Kathleen Bush 1611 Willow Street San Diego, CA 92106-2126 kathleenb@cox.net | 10/19/05 | 10/19/05 | E-Mail |

11/1/05 ljt



STATE OF CALIFORNIA Governor's Office of Planning and Research State Clearinghouse and Planning Unit



Sean Walsh Director

Arnold Schwarzenegger Governor

Notice of Preparation

September 20, 2005

To:

Reviewing Agencies

Re:

San Diego International Airport Master Plan

SCH# 2005091105

Attached for your review and comment is the Notice of Preparation (NOP) for the San Diego International Airport Master Plan draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan

Senior Planner, State Clearinghouse

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OCT 10 2005

Attachments cc: Lead Agency

PLANNING DEPT. #44

Document Details Report State Clearinghouse Data Base

SCH#

2005091105

Project Title San Diego International Airport Master Plan San Diego County Regional Airport Authority Lead Agency

Type

NOP Notice of Preparation

Description

The San Diego International Airport Master Plan includes the development and operation of the following project components: expand existing Terminal 2 West with 10 new jet gates; construct new aircraft parking apron; construct new apron and aircraft taxi lane; construct new surface parking and vehicle circulation; and construct a new parking structure, departure curb and vehicle circulation serving Terminal 2.

Lead Agency Contact

Name **Ted Anasis**

San Diego County Regional Airport Authority Agency

(619) 400-2478 Phone

Fax

email

Address P.O. Box 82776

> City San Diego

State CA Zip 92138-2776

Project Location

San Diego County San Diego City

Region

Cross Streets San Diego International Airport - North Harbor Drive

Parcel No.

Township

Section Range

Base

Proximity to:

Highways 1-5

> San Diego International **Airports**

Railways Waterways

Schools

San Diego International Airport Land Use

Project Issues

Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Coastal Zone; Drainage/Absorption; Economics/Jobs; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Wildlife; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies

Resources Agency; California Coastal Commission; Department of Parks and Recreation; Department of Water Resources; Department of Fish and Game, Region 5; Department of Health Services; Office of Emergency Services; Native American Heritage Commission; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 11; Air Resources Board, Airport Projects; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 9

Date Received 09/19/2005

Start of Review 09/19/2005

End of Review 10/18/2005

David Johnson

Commission

Nadeli Gayou

Roger Johnson

Protection

Preservation

Commission

DeeDee Jones

Section

Dev't. Comm.

Nadell Gayou

Fish and Game

Scott Flint

Donald Koch

Banky Curtis

Conservancy

Air Resources Board



1001 I Street • P.O. Box 2815 Sacramento, California 95812 • www.arb.ca.gov



October 6, 2005

Mr. Ted Anasis, AICP San Diego County Regional Airport Authority P.O. Box 83776 San Diego, California 92101 RECEIVED

001 12 2005

PLANNING DEPT. #44

Dear Mr. Anasis:

Thank you for providing the Air Resources Board (ARB) staff the opportunity to comment on the Notice of Preparation to prepare a Draft Environmental Impact Report (Draft EIR) for future development recommended by the Master Plan (Plan) for the San Diego International Airport (Airport). We understand that the improvements—terminal expansion to accommodate 10 new gates, additional parking facilities, aircraft parking areas, and related taxiways—are being proposed to enable the Airport to serve the forecasted increase in passengers and air cargo through 2015.

The Airport is located in San Diego County (County), which is currently designated as nonattainment for the federal eight-hour ozone standard and the State ozone, inhalable particulate matter (PM10), and fine particulate matter (PM2.5) standards. Air toxic exposures are also a concern. Because air quality is an issue in the County and because of the expected continuing growth and congestion at the Airport, the Draft EIR should thoroughly and comprehensively address the potential emission impacts from the proposed project.

Estimating Emissions and Impacts

The analysis of air quality impacts in the Draft EIR should quantify all increases in emissions of oxides of nitrogen (NOx), reactive organic gases (ROG), PM2.5, PM10, and toxic air contaminants from both construction activities and the operation of the Airport as configured with the proposed improvements through 2015. The analysis should include emissions from aircraft operations, ground service equipment (GSE), ground access vehicles, and stationary and area sources. The analysis should also assess the potential for any increase in emissions of these pollutants to cause or contribute to violations of federal and State air quality standards. We recommend that the Draft EIR include details about all the assumptions and methodologies used in the analysis. We also request that summaries and descriptions be complete, clear, and understandable to the layperson.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: http://www.arb.ca.gov.

Mr. Ted Anasis, AICP October 6, 2005 Page 2

Studies are underway to update data on the constituents and quantities of organic gas emissions and to better characterize PM emissions from commercial jet aircraft engines. We recommend that you consult with ARB staff on the appropriate speciation data to use in the Draft EIR. For total PM emissions from aircraft, we recommend that you use the First Order Approximation Version 2.0 recently approved for use by the Federal Aviation Administration and that you consult with ARB staff on the appropriate method to use in modeling the dispersion of aircraft PM emissions.

Emission increases resulting from implementing the Plan should be compared with emissions in the applicable State Implementation Plan (SIP), currently the 2002 Ozone Maintenance Plan approved by the U.S. Environmental Protection Agency effective July 28, 2003.

Community Impacts

The Draft EIR should present the magnitude and location of health risks to people on-site and in the surrounding area—including residences, workplaces, and schools—from toxic air contaminants, such as formaldehyde, acrolein, benzene, and 1,3-butadiene, resulting from aircraft operations associated with proposed Airport improvements.

The Draft EIR should describe and assess the potential individual and community multipathway health impacts. The health risk assessment should be based on methodology, procedures, and health effects information presented in the five Office of Environmental Health Hazard Assessment (OEHHA) Air Toxic Hot Spots Risk Guideline Documents (1999–2002), plus any OEHHA-released supplemental information.

Diesel exhaust PM is a pervasive toxic air contaminant that poses significant risks across the region and statewide. The Diesel Risk Reduction Plan adopted by ARB in 2000 established a goal to reduce diesel PM emissions 85 percent by 2020. The Draft EIR impacts analysis should quantify diesel PM emission increases expected to result from the improvements proposed in the Plan, including emissions from construction as well as operation. The impacts analysis should also quantify the increase in human health risk associated with exposure to diesel PM emissions (including the construction phase) and discuss measures that will be used to mitigate these emissions. We recommend that the results of the community impacts analysis and health risk assessment be in a single place in a simplified format.

Mr. Ted Anasis, AICP October 6, 2005 Page 3

Mitigation

The Draft EIR should identify and incorporate all feasible, cost-effective mitigation measures to minimize air pollution and risk. We believe the Plan should include zero-and near-zero emission technologies wherever possible.

Health risks due to exposure to toxic species of ROG associated with the operation of commercial jet aircraft is dominated by emissions during taxi, idle, and queue. Since the Plan proposes the addition of gates to permit additional aircraft operations to accommodate growth, there is a likelihood for increased taxi, idle, and queue emissions. Therefore, we recommend that the Draft EIR assess whether the proposed Plan will minimize the time spent by aircraft in ground operations and, if not, suggest potential modifications that would reduce taxi, idling, and queue times.

As noted above, ARB's Diesel Risk Reduction Plan targets diesel PM emissions. With increased passenger and air cargo operations, there will likely be increases in diesel vehicles to service these operations. Therefore, we recommend that specific mitigation measures be identified to reduce diesel PM emissions in the timeframe addressed in the Plan. For example, several types of diesel-fueled GSE can be replaced with electric models which have been proven to be very feasible and cost-effective.

Finally, we recommend that if the Plan does not specify that all gates are to have electricity and pre-conditioned air (PCA) for use by aircraft and electricity for recharging electric GSE that the Draft EIR include those as mitigation measures. We also recommend that the Airport institute a program to encourage all air carriers to maximize the use of electricity and PCA while at the gates in order to minimize emissions from aircraft auxiliary power units.

We have worked with air carriers and a number of airports to develop effective mitigation programs and are available to assist you with mitigation measures. We commend the Airport staff for the steps already taken to reduce emissions at the airfield and look forward to on-going cooperation to further reduce emissions.

Mr. Ted Anasis, AICP October 6, 2005 Page 4

If you have any questions, please contact me at (916) 322-8474 or Dr. Jim Lerner of my staff at (916) 322-6007.

Sincerely,

Gary Honcoop, Manager

Strategic Analysis and Liaison Section

cc: Mr. Rob Reider

San Diego County Air Pollution

Control District

9150 Chesapeake Drive

San Diego, California 92123-1096

Mr. John Kelly

Planning Office, Region 9

U.S. Environmental Protection Agency

75 Hawthorne Street

San Francisco, California 94105

Mr. Scott Morgan

Project Analyst

State Clearinghouse

SCH# 2005091105

Office of Planning and Research

P.O. Box 3044

Sacramento, California 95812-3044

DEPARTMENT OF TRANSPORTATION

District 11 · 2829 Juan Street P. O. BOX 85406, M.S. 50 San Diego, CA 92110-2799 PHONE (619) 688-6954 FAX (619) 688-4299



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OCT 21 2005

October 18, 2005

PLANNING DEPT: #44

11-SD-005 PM 17.53

Mr. Ted Anasis San Diego County Regional Airport Authority P. O. Box 82776 San Diego, CA 92138-2776

RE: San Diego International Airport Master Plan - NOP (SCH 2005091105)

To Mr. Anasis:

The California Department of Transportation (Caltrans) appreciates the opportunity to review the Notice of Preparation (NOP) of a Draft Environmental Impact Report (EIR) for the San Diego International Airport Master Plan. Given our mission of improving mobility and our direct responsibility as the owner / operator of the State Highway System, Caltrans considers itself a key stakeholder in regional transportation planning efforts. The State highways serving the airport (e.g., Interstate 5 [I-5], Interstate 8 [I-8], State Route 163 [SR-163]) should be regarded as both local and regional assets that facilitate access and mobility needs for the entire San Diego region.

Caltrans believes that the San Diego International Airport (SDIA), as one of the region's primary transportation hubs, should possess a well-balanced, multi-modal transportation system that accommodates travel to and from the City of San Diego and beyond. Caltrans encourages the Airport Authority to incorporate the following ideals from a multi-modal, "smart growth" vision: design features and siting which encourage walking and bicycling, vastly expanded public transit options, accessibility for children, the elderly, and persons with disabilities, and transit priority measures. Given the importance of mobility options, the Master Plan should provide an assessment of how various transportation options will be incorporated into the project.

Of particular concern to Caltrans is how this Master Plan will affect the State Highway system. Interstate 5 is the primary regional roadway serving SDIA, providing access to local streets and arterials connecting to North Harbor Drive and the Airport's major activity centers. I-5 currently experiences congestion during the morning and evening peak periods. Changes to land use in the Airport area may contribute to vehicular demand which exceeds the capacity for this facility, particularly at the local interchange ramps to/from I-5.

The San Diego Association of Governments (SANDAG) prepares the Regional Transportation Plan (RTP) and the Regional Transportation Improvement Program (RTIP) to document how improvements to local and regional transportation facilities in the San Diego region are to be implemented to address transportation deficiencies. The San Diego International Airport Master

Plan should clearly document a nexus between phased implementation of the RTP and RTIP with implementation of the Master Plan. In order to assure sound coordination between transportation and land use, additional airport land use intensification affecting the local and regional circulation system should only be implemented subject to the development of accompanying transportation projects. Concurrently staged development of transportation and land use is necessary to maintain adequate mobility for travelers in the San Diego region.

Cumulative impacts of a project, together with other related projects, must be considered when determining a project's impacts. A cumulative impact is the sum of the impacts of existing conditions, other projects, and the project – no matter how small the contribution is from the project itself. There is no minimum size limitation on developments that may be required to mitigate for cumulative impacts if the project contributes to a traffic or congestion problem in any amount. Caltrans supports the concept of "fair share" contributions on the part of developers for future interchange improvement projects and/or other mitigation measures, such as freeway mainline improvements.

Land use intensity changes may necessitate mitigation requirements in order to effectively deal with increased impacts. Caltrans may suggest that the Airport Authority pursue Locally Funded Project highway / interchange improvements. The locally funded improvement process includes a Project Study Report (PSR), Project Report and Environmental Document, final design, and construction of improvements. Potential improvements may include – but not be limited to – widening I-5, widening existing ramps, ramp metering, modification to ramp signals, and/or adding auxiliary lanes to I-5.

The Central Interstate 5 Corridor Study (November 2002) developed an effective program of transportation improvements to address overall freeway congestion as well as access issues between I-5 and major activity centers in and around the Downtown / Airport area. Caltrans encourages the Airport Authority to integrate plan concepts and transportation improvements from the Central I-5 Corridor Study into the Master Plan. Caltrans also supports the participation of local transit agencies (SANDAG / Metropolitan Transit System [MTS]) in the Master Plan. As a transportation partner in the San Diego region, Caltrans expects that MTS's TransitWorks and Transit First! endeavors will be integrated into the Master Plan. Caltrans also encourages the Airport Authority to work with SANDAG and Caltrans on future updates to the RTP. SANDAG latest RTP (Mobility 2030 [April 2003]) includes recommendations from the aforementioned Central I-5 Study, which are based on land-use assumptions from previous Master Plan endeavors. In this study, long-range improvements to I-5 assumed terminal development on the north side of the airfield with associated internal roadway circulation. Current Master Plan proposals have since relocated such terminal expansion back to the south side of the airfield.

SANDAG's latest Regional Transportation Plan (RTP) calls for the development of a regional system of HOV / Managed Lanes as well as a robust "Bus Rapid Transit" (BRT) system to accompany existing light rail transit and commuter rail systems. It is anticipated that SANDAG

will continue this policy of system development in future RTPs as San Diego County's local transportation sales tax program (TransNet) is implemented. Within the sphere of influence of the current Lindbergh Field site, long-range improvement plans for I-5 include additional widening to accommodate high-occupancy vehicle (HOV) lanes. While these improvements are anticipated beyond the proposed Master Plan's time horizon, it is important to note the region's commitment to increasing freeway capacity, as well as increasing vehicle occupancy and transit ridership. Caltrans recommends that the proposed Master Plan develop viable transportation / circulation concepts that foster and complement the region's commitment to the major transportation systems in the vicinity of the current Lindbergh Field site. The Airport Authority should also work with the City of San Diego to develop, refine, and otherwise maximize the utility of the existing local roadway system that serves not only Lindbergh Field but surrounding communities as well.

Transportation / circulation improvements in the Master Plan should take advantage of short-and mid-range regional investments in light rail transit (e.g., the newly-opened Green Line Trolley, proposed light rail [LRT] extension from Old Town to University City / UTC) as well as commuter rail transit (e.g., expanded Coaster service). Transportation / circulation improvements in the Master Plan should also harmonize with long-range regional investments in freeways (e.g., HOV facilities on I-5) as well as commuter and intercity rail (e.g., double-tracked LOSSAN rail corridor). Including practical and coordinated transportation / circulation plans in the Master Plan would provide a solid foundation to build upon should the current Lindbergh Field site remain the region's long-term aviation solution.

Understanding the proposed Master Plan's context within the regional transportation planning process, Caltrans recommends the Airport Authority work with the City of San Diego and the Centre City Development Corporation (CCDC) to establish Pacific Highway as a regional high-occupancy vehicle (HOV) corridor from I-8 to downtown. Street treatments which improve travel times to HOV and transit vehicles along Pacific Highway would support HOV / transit connectivity between Lindbergh Field, Old Town, and the downtown Central Business District. In the short-term, HOV priority on Pacific Highway could support the existing Route 992 Flyer service to downtown, as well as support intermodal connections to and from in the proposed Ground Transportation Center on the north side of the airfield. In the long-term, HOV / transit vehicles on Pacific Highway could connect to future HOV lanes on I-5 should Lindbergh Field remain the only commercial airport in the region.

Also, coordinating the Airport Master Plan within the regional transportation planning process, Caltrans recommends the Airport Authority work with the Caltrans and the City of San Diego to ensure adequate operations at critical street segments serving Interstate 5. There are five (5) local streets within the sphere of influence of Lindbergh Field that either directly or indirectly provide access to Interstate 5: Washington, Sassafras, Laurel, Hawthorn, and Grape Streets. Caltrans currently does not currently have plans to improve the local interchange ramps within this highly constrained portion of I-5. With the anticipated increase in traffic levels on each of

these local streets by the year 2015, local street and freeway ramp and mainline operations may be adversely affected.

Continuing further coordination of the Master Plan and local transportation concerns, Caltrans recommends the Airport Authority work with the City of San Diego to ensure adequate operations at critical street segments having at-grade rail crossings. There are six (6) local streets within the sphere of influence of Lindbergh Field that have at-grade crossings with the San Diego Northern Railway: Washington, Sassafras, Palm, Laurel, Hawthorn, and Grape Streets. Short and mid-range plans call for increased intercity, commuter, and freight rail service on this busy rail corridor, which will further increase crossing delays. With the anticipated increase in traffic levels on each of these local streets by the year 2015, an increase in rail operations could significantly impact access to and from the airport and the surrounding environs.

Caltrans recognizes the important link between transportation and land use, which is especially critical in the regional transportation hub that is the San Diego International Airport. Caltrans does acknowledge that the proposed Master Plan for SDIA only addresses short-range deficiencies (to the year 2015) at the current Lindbergh Field site and understands the context in which the Master Plan process fits within the Airport Authority's plans to increase address the region's long-range aviation needs (i.e., the Airport Site Selection Program [ASSP]). However, the previously mentioned issues and concerns remain pertinent for airport planning at this site. Thank you again for the opportunity to be involved in the Master Plan process. Caltrans looks forward to continuing cooperation with the San Diego County Regional Airport Authority in coordinating land use and transportation issues. Caltrans envisions a continuing level of participation in the Plan and subsequent activities, and we encourage a more committed partnership to reflect this vision. If you have any general questions on the Department's comments, please contact Brent McDonald at (619) 688-6819.

Sincerely,

MÁRIO H. ÓRSO, Chief Development Review Branch

cc: BMcDonald Dev. Rvw. MS-50
EAllegre Planning MS-50
EGojuangco Frwy. Ops. MS-55

SMorgan SCH





Department of Toxic Substances Control



5796 Corporate Avenue Cypress, California 90630

October 20, 2005

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ACT 25 2005

PLANNING DEPT. #44

Mr. Ted Anasis **AICP** San Diego County Regional Airport Authority P.O. Box 82776 San Diego, California 92138

NOTICE OF PREPARATION OF AN ENVIROMENTAL IMPACT REPORT FOR THE SAN DIEGO INTERNATIONAL AIRPORT (SDIA) MASTER PLAN (SCH# 2005091105)

Dear Mr. Anasis:

The Department of Toxic Substances Control (DTSC) has received your submitted Notice of Preparation for a Draft Environmental Impact Report (EIR) for the abovementioned project. Your document states the Description of Project: "The San Diego International Airport Master Plan includes the development and operation of the following project components: expand existing Terminal 2 West with 10 new jet gates; construct new aircraft parking apron; construct new apron and aircraft taxi lane; construct new surface parking and vehicle circulation; and construct a new parking structure, departure curb and vehicle circulation serving Terminal 2." Based on the review of the submitted document DTSC has comments as follows:

- The EIR should identify the current or historic uses at the project site that may 1) have resulted in a release of hazardous wastes/substances.
- The EIR should identify the known or potentially contaminated sites within the 2) proposed Project area. For all identified sites, the EIR should evaluate whether conditions at the site may pose a threat to human health or the environment. Following are the databases of some of the regulatory agencies:
- National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).

- Site Mitigation Program Property Database (formerly CalSites):
 A Database primarily used by the California Department of Toxic Substances Control.
- Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
- Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA.
- Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
- Leaking Underground Storage Tanks (LUST) / Spills, Leaks, Investigations and Cleanups (SLIC): A list that is maintained by Regional Water Quality Control Boards.
- Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
- The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).
- The EIR should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government agency to provide appropriate regulatory oversight. If hazardous materials or wastes were stored and used at the site, a Site Assessment could determine if a release had occurred. If so, further studies should be carried out to delineate the nature and extent of the contamination, and the potential threat to public health and/or the environment should be evaluated. It may be necessary to determine if an expedited response action is required to reduce existing or potential threats to public health or the environment. If no immediate threat exists, the final remedy should be implemented in compliance with state regulations and policies.

- 4) All environmental investigations, sampling and/or remediation for the site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including Phase I and II investigations should be summarized in the document. All sampling results in which hazardous substances were found should be clearly summarized in a table.
- Proper investigation, sampling and remedial actions overseen by a regulatory agency, if necessary, should be conducted at the site prior to the new development or any construction. All closure, certification or remediation approval reports by these agencies should be included in the EIR.
- If any property adjacent to the project site is contaminated with hazardous chemicals, and if the proposed project is within 2,000 feet from a contaminated site, then the proposed development may fall within the "Border Zone of a Contaminated Property." Appropriate precautions should be taken prior to construction if the proposed project is within a Border Zone Property.
- 7) If buildings or other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation would be conducted for the presence of lead-based paints or products, mercury, and asbestos containing materials (ACMs). If lead-based paints or products, mercury or ACMs were identified, proper precautions would be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies.
- The project construction may require soil excavation and soil filling in certain areas. Appropriate sampling is required prior to disposal of the excavated soil. If the soil is contaminated, properly dispose of it rather than placing it in another location. Land Disposal Restrictions may be applicable to these soils. Also, if the project proposes to import soil to backfill the areas excavated, proper sampling should be conducted to make sure that the imported soil is free of contamination.
- 9) Human health and the environment of sensitive receptors should be protected during the construction or demolition activities. A study of the site overseen by the appropriate government agency should be conducted to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment.

- 10) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5).
- 11) If it is determined that hazardous wastes are or will be generated and the wastes are (a) stored in tanks or containers for more than ninety days, (b) treated onsite, or (c) disposed of onsite, then a permit from DTSC may be required. If so, the facility should contact DTSC at (714) 484-5423 to initiate pre application discussions and determine the permitting process applicable to the facility.
- 12) If it is determined that hazardous wastes will be generated, the facility should obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942.
- 13) Certain hazardous waste treatment processes may require authorization from the local Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA.
- 14) If the project plans include discharging wastewater to storm drain, you may be required to obtain a wastewater discharge permit from the overseeing Regional Water Quality Control Board (RWQCB).
- 15) If during construction/demolition of the project, the soil and/or groundwater contamination is suspected, construction/demolition in the area would cease and appropriate health and safety procedures should be implemented.
- If the site was used for agricultural production, onsite soils and groundwater might contain pesticides, agricultural chemical, organic waste or other related residue. Proper investigation, and remedial actions, if necessary, should be conducted under the oversight of and approved by a government agency at the site prior to construction of the project.

DTSC provides guidance for cleanup oversight through the Voluntary Cleanup Program (VCP) for other parties. For additional information on the VCP, please visit DTSC's web site at www.dtsc.ca.gov.

If you have any questions regarding this letter, please contact Ms.Teresa Hom, Project Manager, at (714) 484-5477 or email at thom@dtsc.ca.gov.

Sincerely,

Greg Holmes Unit Chief

Southern California Cleanup Operations Branch - Cypress Office

cc: Governor's Office of Planning and Research

State Clearinghouse

P.O. Box 3044

Sacramento, California 95812-3044

Mr. Guenther W. Moskat, Chief

Planning and Environmental Analysis Section

CEQA Tracking Center

Department of Toxic Substances Control

P.O. Box 806

Sacramento, California 95812-0806

CEQA# 1212

NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364 SACRAMENTO, CA 95814 (916) 653-4082 (916) 657-5390 - Fax



October 24, 2005

Mr. Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Re: NOP: San Diego International Airport Master Plan

SCH# 2005091105

Dear Mr. Anasis:

Thank you for the opportunity to comment on the above-referenced document. In order to adequately identify and mitigate project-related impacts on cultural resources in accordance with the CEQA Guidelines (15063 (d) (3), the Commission recommends that you provide evidence that <u>all of the following actions be taken</u>:

- Contact the appropriate California Historic Resources Information Center for a record search. The record search will determine:
 - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
 - If any known cultural resources have already been recorded on or adjacent to the APE.
 - If the probability is low, moderate, or high that cultural resources are located in the APE.
 - If a survey is required to determine whether previously unrecorded cultural resources are present.
- If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - The final report containing site forms, site significance, and mitigation measurers should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for pubic disclosure.
 - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- Contact the Native American Heritage Commission (NAHC) for a Sacred Lands File search of the project area and information on tribal contacts in the project vicinity who may have additional cultural resource information.
 - Please provide U.S.G.S. location information for the project site, including Quadrangle, Township, Section, and Range.
 - We recommend that you contact all tribes listed on the contact list to avoid the unanticipated discovery of sensitive Native American resources after the project has begun.
- Lack of surface evidence of archeological resources does not preclude their subsurface existence.
 - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5 (f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
 - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
- Lead agencies should include provisions for discovery of Native American human remains or cemeteries in their mitigation plans. Health and Safety Code §7050.5 and Public Resources Code §15064.5 (e) and §5097.98 mandate procedures to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.
- Lead agencies should consider avoidance, as defined in Section 15370 of the CEQA Guidelines, when significant cultural resources are discovered during the course of project planning.

Please feel free to contact me at (916) 653-6251 if you have any questions.

Sincerely,

Carol Gaubatz /

Program Analyst

Janka

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001 3 1 2005



401 B Street, Suite 800 San Diego, CA 92101-4231 (619) 699-1900 Fax (619) 699-1905 www.sandag.org October 12, 2005

File Number 3000600

Mr. Ted Anassis, AICP San Diego County Regional Airport Authority P. O. Box 82776 San Diego, CA 92138-2776

Dear Mr. Anassis:

This letter is in response to the Notice of Preparation of a Draft Environmental Impact Report (EIR) for the San Diego International Airport Master Plan. Our comments reflect the need to analyze the impacts of the master plan on transit services and to consider alternative means of serving airport users with enhanced transit services.

The EIR should examine how higher-speed transit could access the terminal areas from other points in the region. Currently, the terminals are served by the Airport Flyer (Route 992), which provides relatively frequent and convenient service from downtown. The Flyer, with a signal priority system, is one way of enhancing regional connections to the airport from downtown. Other transit options that should be considered are a new or relocated trolley station on the north side of the airport, connected with an on-airport transport system (monorail, bus, or other) connecting directly to the terminals, and a Bus Rapid Transit route from the Old Town Transit Center that would use dedicated lanes, signal priority, and queue jumpers to gain direct access to the terminals. To successfully work as a ground access option for an expanded airport, this latter option would require the addition of structured parking at the Old Town Transit Center to accommodate demand. The Airport Authority should consider the feasibility and benefit of additional parking at Old Town to address its ground access needs.

Thank you for the opportunity to comment on the NOP. We look forward to working with you as the Master Plan progresses.

Sincerely,

TONI BATES

TB/MK/qkr

Division Director of Transit Planning

OCT 14 2005

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MEMBER AGENCIES

Cities of

Carlsbad

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Mexico



THE CITY OF SAN DIEGO

October 19, 2005

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OCT 19 2005

PLANNING DEPT. #44

Mr. Ted Anasis, AICP Manager, Airport Planning San Diego County Regional Airport Authority Post Office Box 82776 San Diego, CA 92138-2776

Dear Mr. Anasis:

Subject:

City of San Diego Review and Comment on the Notice of Preparation of a

Draft Environmental Impact Report for the San Diego International

Airport Master Plan Project

The City of San Diego appreciates the opportunity to review the Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) for the San Diego International Airport (SDIA) Master Plan Project and respectfully offers the following comments and recommendations for your consideration.

It is the understanding of the City that the San Diego County Regional Airport Authority (SDCRAA) prepared both constrained and unconstrained forecasts of aviation activity through 2030 that could be used for facilities planning and in evaluating airport improvements. The City is unclear how the proposed project will affect existing and forecasted Community Noise Equivalent Level (CNEL) contours. The City is recommending that the DEIR specifically address which forecast will be used to determine the CNEL contours up to the year 2015 and how this will affect the continued implementation of the Quieter Home Program. As a noise mitigation measure for the Airport Master Plan (AMP), the City is recommending that SDCRAA consider installing additional remote monitoring sites surrounding SDIA to further improve noise monitoring and fight track data.

It is the understanding of the City that the proposed project will expand Terminal 2 West with 10 new jet gates and approximately 310,000 new square feet. It is foreseeable that the project will create demand for additional vehicle trips to SDIA. The City is recommending that the DEIR address potential traffic and circulation impacts to regional and local serving transportation facilities and on and off-site parking demand and supply. As a potential traffic/circulation mitigation measure for the AMP, the City is recommending that SDCRAA consider improving multimodal serving facilities at and to SDIA. This could include, but is not limited to improving direct transit access to SDIA,



Page 2

Mr. Ted Anasis, AICP

October 19, 2005

preferential access and curb front pick up and drop off for high occupancy vehicles, and a commuter program for airport employees.

We look forward to having a continued opportunity to discuss our recommendations with SDCRAA staff. If there are any questions, please contact Tait Galloway, Associate Planner at (619) 533-4550.

Sincerely,

Keith Greer
Deputy Director

KG/tg

cc: Bob Manis, Assistant Deputy Director, Development Services

Nancy Bragado, Acting Program Manger, Planning Samir Hajjiri, Senior Traffic Engineer, Planning Linda Marabian, Senior Traffic Engineer, Planning Steve Celniker, Senior Traffic Engineer, Planning/SANDAG

Miriam Virghner Senior Dlenner CANDAC

Miriam Kirshner, Senior Planner, SANDAG

Kenneth Teasley, Senior Planner, Development Services

Tait Galloway, Associate Planner, Planning



3165 Pacific Highway, San Diego, CA 92101 P.O. Box 120488, San Diego, CA 92112-0488 619.686.6200 • www.portofsandiego.org

October 19, 2005

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OCT 21 2005

PLANNING DEPT. #44

Mr. Ted Anasis, AICP Manager, Airport Planning San Diego County Regional Airport Authority PO Box 82776 San Diego CA 92101-2776

Subject:

Comments on Notice of Preparation (NOP) of a Draft Environmental Impact

Report (DEIR) for the San Diego International Airport Master Plan

Dear Ted.

Thank you for the opportunity to comment on the above-referenced document. The Port of San Diego (Port) is particularly interested in any potential environmental impacts on tidelands surrounding the Airport boundaries that are within the Port's jurisdiction. To that end, the Port requests that the Airport Authority address the following comments in the DEIR:

- In the discussion of cumulative impacts, please include appropriate projects adjacent to the Airport and located on Port tidelands, such as on Harbor Island and the Embarcadero area. If warranted, the Port would welcome the opportunity to meet with the Airport Authority to discuss these projects.
- In the project description, please provide more detail on, and anticipated timing of, the land uses/project components that will be analyzed at a programmatic level in the DEIR. Please also note that the former Sky Chefs parcel is still within the Port's ownership and jurisdiction.
- In the project description, please provide more discussion on any possible improvements (including mitigation measures) adjacent to the Airport that may be located on lands within the Port's land use and coastal permitting jurisdiction.

The Port looks forward to reviewing the DEIR when it is available. Please include the Port's Land Use Planning Department on your distribution list for the DEIR. If you would like to meet to further discuss these comments, or if the Port can be of any assistance, please contact Wileen Manaois, Planner, at (619) 686-6282.

Sincerely,

Ralph T. Hicks

Director, Planning

cc: Dan Strum



3550 Kettner Blvd. San Diego, CA 92101

September 23, 2005

(619) 295-6659 295-2832 FAX 287-8957

San Diego County Regional Airport Authority Attn: Mr. Ted. Anasis

P.O. Box 82776

San Diego, CA 92138-2776

RE: Comments on Scope of Draft EIR

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SEP 26 2005

PLANNING DEPT. #44

Dear Mr. Anasis:

Our representatives provided feedback and comments at the September 20, 2005 2:00 p.m. public scoping meeting regarding the Airport Master Plan update. We are also submitting our comments to you in letter format for the public record.

First off, we want to thank the Airport Authority for providing the public with four opportunities to learn about the draft EIR for the Airport Master Plan and to provide you with feedback during those four meetings.

After reviewing the draft EIR materials, and your PowerPoint presentation during the public scoping meeting, these are our questions and concerns:

Economic and Jobs impact

In the draft EIR PowerPoint presentation under the Potentially Adverse Effects Anticipated section, Economics and Jobs/Housing were not factored in, but they should be in the EIR. For example, the proposed Terminal 2 parking structure might have an Economic and Jobs impact on the off-site parking industry.

Proposed Terminal 2 parking structure

There was not enough detailed information on this proposal. All that was mentioned was that it might be two or four floors.

- We would like to know how many spaces are being proposed?
- What the demand for parking will be over the next ten, twenty and thirty years?
- What are the proposed uses for excess parking capacity until demand catches up with supply?
- Does the Airport Authority plan on expanding its parking business utilizing the additional spaces at the proposed Terminal 2 parking structure?

Continued

Comments on Scope of Draft EIR

Passenger to parking space formula

Is there a passenger to parking space formula for airports? How many parking spaces will San Diego International Airport need to serve the anticipated growth in passenger traffic?

In summary, we do want to express that it is a challenge to provide thoughtful and useful feedback on a draft EIR that is missing important details on issues like the proposed Terminal 2 parking structure and the impact of the Airport Master Plan on Harbor Drive and the surface transportation network.

We look forward to hearing your responses to our questions and concerns, and those of others expressed during the process.

Sincerely,

Thomas J. Traver

Vice President

Park & Ride Airport Parking

October 20, 2005

Airport Planning San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

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OCT 2 0 2005

Re: NOP for Master Plan

PLANNING DEPT: #44

Mr. Anasis.

The Peninsula Community Planning Board is an interested party in the upcoming EIR process for the Airport Master Plan. We would like to be consulted on the following impact areas and mitigation plans as they directly affect our constituents:

- A. Aircraft Noise from departing and arriving flights as the airport increases the frequency and average size of planes using Lindbergh Field.
- B. Overflight noise, safety issues and air pollution from flights departing and arriving over the Peninsula. This is an ongoing concern when we regularly witness flights that are not following the 275 departure path, often because of 'Separation' issues. What specific mitigation measures will be taken to reduce the potential safety problems as more aircraft traverse a limited corridor?
- C. Increasing air pollution from aircraft and ground vehicles serving the airport, including the increasing number of passengers and their vehicles.
- D. Traffic congestion surrounding the airport, including the construction equipment during the expansion.
- E. Ongoing Traffic congestion as the airport increases the number of passengers served. It should be obvious that as the Harbor Drive area on the eastern side becomes congested, there will be a greater number of vehicles departing to the west, further compounding our already struggling traffic problems.
- F. Late night and early morning noise from flights that are arriving, performing missed approaches and operating illegally during the curfew.
- G. Construction noise and pollution during the expansion. What particular steps will be taken when the known polluted area west of the runway is excavated?

It has become obvious that the Airport Authority is intent on increasing the operation of Lindbergh Field to its maximum capacity, limited only by the single runway. In all prior expansions there has been no accommodation to the impacted community and the increased environmental burden placed on these residents. This will not be tolerated in this round of construction. We would sincerely appreciate a more thoughtful and comprehensive plan to mitigate the burden of Noise, Air Pollution, Safety and Traffic Congestion. The Crawal Fegion!)

Cepathia Congo Chair, Fenning Bd.



SanNoise P.O. Box 70194 San Diego, CA 92167

October 20, 2005

Airport Planning San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776 RECEIVED

OCT 24 2005

PLANNING DEPT. #44

Re: NOP for Master Plan

Mr. Anasis,

I represent a community organization named SANNoise.org and would like to register as an organization and as an individual in the upcoming Master Plan EIR. My contact information is as follows:

Lance Murphy PO Box 70194 San Diego, CA 92167

Phone 619.892.5003 Email: sannoise@cox.net

In particular, I am most interested in noise issues related to the Master Plan and its impact on the residents of the area surrounding Lindbergh Field. Assuming that a primary goal of the Master Plan is to increase the capacity of the Airport, its terminals and ground transportation, how will the following items be mitigated:

- 1. Increased noise from all departing flights in general terms, the flights are expected to be more frequent, thus increasing the Noise Imapet Area and adjoining properties.
- 2. Increased frequency of off-course departures as more opportunities for 'separation problems' occur.
- 3. Increased frequency of Curfew departures as more flights are scheduled around the Curfew times.
- 4. Increased frequency of late night (during curfew) arrivals and missed approaches as more flights are landing during the late night period.
- 5. Increased frequency of non-runway missed approaches as more flights are in competition for the single runway. Particularly a problem when a departing flight has not cleared the departure airspace when an arriving flight needs to perform a missed approach.



SanNoise P.O. Box 70194 San Diego, CA 92167

6. Inability of the 'Quiet Homes' project to keep pace with the expanding 70db impact area, let alone the 65db zone that is also growing rapidly from homes that were previously only in a 60db zone – or less.

It should be apparent that the airport will be making a considerable impact on the community and has taken little or no proactive actions to mitigate without considerable pressure from the impacted residents. This sort of reactive accommodation will not be sufficient in this expansion phase and will not be tolerated further.

Regards,

Lance G. Murphy

SANNoise.org

LUCE FORWARD ATTORNEYS AT LAW - FOUNDED 1873
LUCE, FORWARD, HAMILTON & SCRIPPS LLP

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER 619.699.2418
DIRECT FAX NUMBER 619.645.5363
EMAIL ADDRESS smarsh@luce.com

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OCT 26 2005

600 West Broadway Suite 2600 San Diego, CA 92101 619.236.1414 619.232.8311 fax www.luce.com

18158-00020

PLANNING DEPT. #44

October 21, 2005

San Diego County Regional Airport Authority Attention: Mr. Ted Anasis Post Office Box 82776 San Diego, CA 92138

Re: Comments on the Notice of Preparation of Draft Environmental Impact Report for the San Diego International Airport Master Plan

Dear Mr. Anasis:

I am writing on behalf of Jimsair Aviation Services, Inc. ("Jimsair") to comment on the Notice of Preparation ("NOP") of the Draft Environmental Impact Report ("EIR") for the San Diego International Airport Master Plan received on September 21, 2005. As an interested organization, current tenant of the Airport and a stakeholder, Jimsair has the following comments:

- 1. We recommend that the Draft Environmental Impact Report discuss potential impacts resulting from each of the alternative proposed uses of the North Area of the airport, including Cargo, Ground Transportation and General Aviation/Corporate Aviation Fixed Based Operations ("FBO"), separately so that the relative contributions of the impacts of each to the overall impacts can be fully analyzed. It is important that the report not assume that one type of use will be more impactive than another. To do so may open the EIR results to challenge or result in the need for further extensive environmental review if the allocation of uses change.
- 2. Jimsair urges you not to defer analysis of project-specific impacts of the North Area Airport Support uses because, where impacts can reasonably be forecast, CEQA requires that they be considered.
- 3. To the extent that any specific projects or proposed projects are contemplated or likely to be approved or adopted for the North Area of the airport, they should each be included in detail in the analysis of the Draft EIR to ensure that potential cumulative effects are not understated.



San Diego County Regional Airport Authority Attention: Mr. Ted Anasis October 21, 2005 Page 2

- 4. The Draft EIR should consider all reasonably likely project proposals for the Airport Support area, including competing alternative proposals, because review now may obviate the need for further environmental review if (a) the alternative plans are analyzed now and (b) the projects ultimately adopted are sufficiently consistent with those reviewed.
- 5. Even where multiple options for specific uses are being considered, but have not yet been chosen, each should be discussed in sufficient detail so as to obviate the need for further environmental review on a project-specific basis, thus, streamlining the review process.
- 6. The Draft EIR should note the potential positive impacts of General Aviation/Corporate Aviation on the regional economy as a potential overriding effect of any potential negative impacts on other categories.
- 7. The Draft EIR should include an analysis of projected expansion of FBO facilities and alternatives, including project-specific information where available. For example, Jimsair's previously proposed construction and improvements to the corporate aviation hangars and overnight parking spaces could have a net positive impact by decreasing the number of airport general aviation operations.

Jimsair appreciates the opportunity to comment on this NOP and looks forward to reviewing the Draft EIR. Please contact me if you have any questions regarding these comments. Please forward a copy of the Draft EIR to my attention for future review.

Very truly yours,

Stephen L. Marsh

of

LUCE, FORWARD, HAMILTON & SCRIPPS LLP

SLM:rj

cc:

Mr. Phil Bracamonte

Lee Burdick, Esq.

2119511.1



October 21, 2005

Mr. Theodore Anasis, AICP San Diego County Regional Airport Authority P. O. Box 82776 San Diego, CA 92138-2776

RE: San Diego International Airport Master Plan

Dear Mr. Anasis:

Thank you for the opportunity to comment on the scope of the Environmental Impact Report for the San Diego International Airport Master Plan. As master developer of the redevelopment of the former Naval Training Center, now known as Liberty Station, we have reviewed the Notice of Preparation and make the following comments:

- We agree with the environmental issues identified in the Notice of Preparation. Of
 particular concern to us is the potential for increase in average noise that will shift the
 location of the CNEL contour lines.
- 2. The adoption of the Master Plan will not require that the City of San Diego modify any existing planning approvals at NTC (Zoning, Precise Plan/LCP, Master Planned Development Permit, etc.).
- 3. The adoption of the Master Plan will not create any right or responsibility for the Airport Authority to review any discretionary or ministerial permits at NTC except as currently allowed by the Airport Approach Overlay Zone and the Precise Plan/LCP Appendix "A" Use Restrictions for the Runway Protection Zone.

We appreciate the continuing dialogue with the Airport Authority staff concerning Liberty Station.

Sincerely,

McMillin-NTC, LLC

Kathleen Riser

Vice President-Project Management

cc: Barbara E. Lichman, Ph.D.

1712 Granada Ave. San Diego, CA 92102

RECEIVED

September 21, 2005

SEP 26 2005

PLANNING DEPT. #44

Mr. Ted Anasis AICP San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Re: Notice of Preparation

Dear Mr. Anasis:

I noted from the San Diego County Regional Airport Authority's website that an Environmental Impact Report (EIR) will be prepared for the proposed land use and project elements (projects) for the San Diego International Airport (SDIA). Several issues need to be addressed in the EIR that impact the quality of life and enjoyment of property by the surrounding residential areas of SDIA. I am a resident east of the airport facility and a member of the Greater Golden Hill Community Development Corporation. To date, the Golden Hill area has been neglected by the Authority and its predecessor agency in addressing noise and other impacts of airport operations on this highly urbanized and diverse community.

The proposed projects will facilitate generation of increased passenger and air cargo operations creating more aircraft landings and take offs, generating additional noise impacts, affect air quality, traffic and circulation, impact historical resources, and increase the area of incompatible land uses around airport facility. The potential environmental effects of these issues must be addressed in the EIR and mitigation measures determined.

In 1972, the County of San Diego designed SDIA is a noise problem airport. For a designated noise problem airport, such as SDIA, the noise impact area is defined by state law as the area within the airport's 65dB CNEL. The 2003 Annual Contours of Aircraft Community Noise Equivalent Level (CNEL) obtained from the Authority's website is contained as an attachment. Within the 65 dB CNEL contour are a significant amount of incompatible land uses such as residences, public and private schools, hospitals, convalescent home, churches and other places of worship. The Golden Hill Community Plan (adopted by the City of San Diego 1988) identified the noise generated by Lindbergh Field (now SDIA) as a source of adverse noise conditions imposed on the community. The implementation of the proposed projects will have negative effects on the highly developed and urbanized area beneath aircraft take-off and landings.

Issues the EIR must address are:

What will be the increased noise impact area with the implementation of the projects?

How will SDIA mitigate the increased aggravation of noise generated by additional aircraft operations (both take off and <u>landing</u>) facilitated by the proposed projects?

How will SDIA address the noise and vibration impacts to historically designated properties, neighborhoods and potential historic districts in the Golden Hill area imposed by the implementation of the projects? (see Historic and Cultural Resources, Map Two, City of San Diego, February 11, 2004 map enclosed)

How will the projects' adverse impacts affect under-represented and low and lower-income households that reside in the Golden Hill within the impacted area? (See Population and Housing Estimates, Golden Hill Community Planning Area, July 2004, SANDAG)

How will SDIA address these impacts?

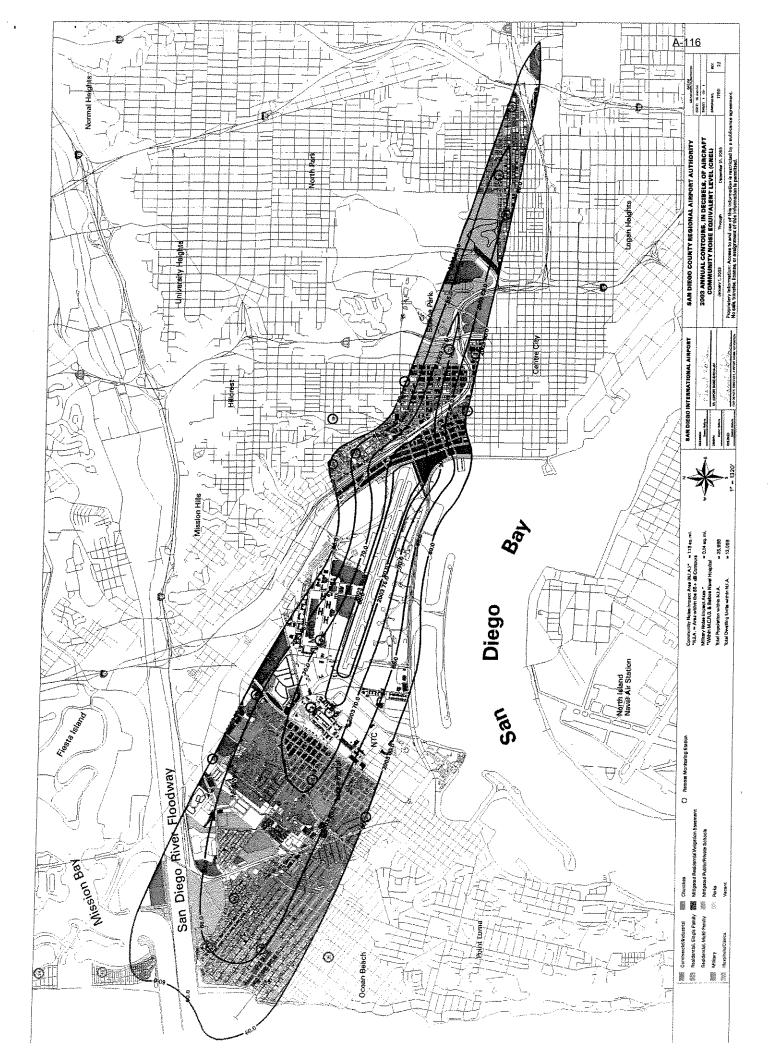
Richard Phillips

These, as well as other environmental affects of the projects must be detailed and mitigation efforts determined in the preparation of the EIR.

Sincerely,

Richard S. Phillips

C: Greater Golden Hill Community Development Corporation





Golden Hill Existing Conditions Land Use

City of San Diego Planning Department February 11, 2004



Legend





Historic and Cultural Resources

Existing Historic Districts

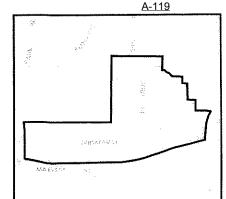
City of San Diego Planning Department February 11, 2004

POPULATION AND HOUSING ESTIMATES

Golden Hill Community Planning Area City of San Diego

SANDAG





POPULATION AND HOUSING (2000 and 2004)

| | April 1 | January 1 | 2000 to 2 | 004 Change |
|----------------------------------|-------------|-----------|-----------|------------|
| | 2000 Census | 2004 | Numeric | Percent |
| Total Population | 17,989 | 18,684 | 695 | 3.9% |
| Household Population | 17,517 | 18,099 | 582 | 3.3% |
| Group Quarters Population | 472 | 585 | 113 | 23.9% |
| Total Housing Units | 7,369 | 7,386 | 17 | 0.2% |
| Single Family | 2,817 | 2,827 | 10 | 0.4% |
| Multiple Family | 4,545 | 4,552 | 7 | 0.2% |
| Mobile Home and Other | 7 | 7 | 0 | 0.0% |
| Occupied Housing Units | 6,984 | 7,001 | 17 | 0.2% |
| Single Family | 2,654 | 2,663 | 9 | 0.3% |
| Multiple Family | 4,324 | 4,331 | 7 | 0.2% |
| Mobile Home and Other | 6 | 7 | 1 | 16.7% |
| Vacancy Rate | 5.2% | 5.2% | 0.0% | 0.0% |
| Persons per Household | 2.51 | 2.59 | 0.08 | 3.2% |

HOUSEHOLD INCOME (real 1999 dollars, adjusted for inflation)

| | April 1 | January 1 | 2000 to 2 | 004 Change |
|---|-------------|-----------|-----------|------------|
| · | 2000 Census | 2004 | Numeric | Percent |
| Households by Income Category | | | | |
| Less than \$15,000 | 1,558 | 1,351 | -207 | -13.3% |
| \$15,000-\$29,999 | 1,887 | 1,780 | -107 | -5.7% |
| \$30,000-\$44,999 | 1,325 | 1,391 | 66 | 5.0% |
| \$45,000-\$59,999 | 773 | 852 | 79 | 10.2% |
| \$60,000-\$74,999 | 550 | 538 | -12 | -2.2% |
| \$75,000-\$99,999 | 419 | 534 | 115 | 27.4% |
| \$100,000-\$124,999 | 192 | 248 | 56 | 29.2% |
| \$125,000-\$149,999 | 139 | 163 | 24 | 17.3% |
| \$150,000-\$199,999 | 72 | 79 | 7 | 9.7% |
| \$200,000 or more | 69 | 65 | -4 | -5.8% |
| Total Households | 6,984 | 7,001 | 17 | 0.2% |
| Median Household Income | | | | |
| Adjusted for inflation (1999 \$) | \$30,532 | \$33,985 | 3,453 | 11.3% |
| Not adjusted for inflation (current \$) | \$30,532 | \$37,949 | 7,417 | 24.3% |

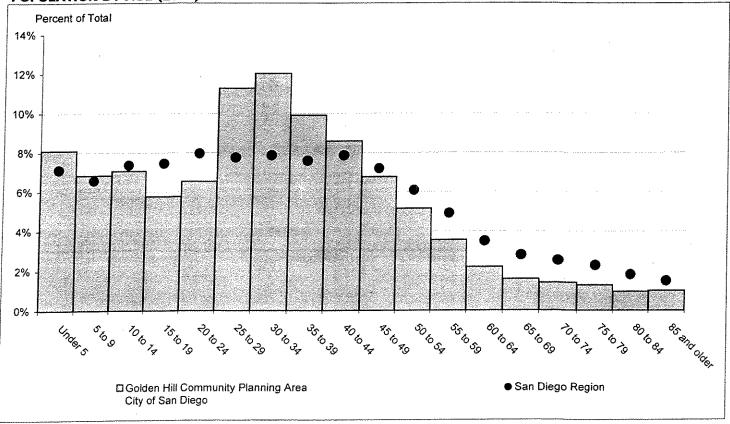
ADVISORY:

Caution should be taken when using data for small population groups, particularly at small levels of geography. Some 2000 Census data may not match information published by the U.S. Census Bureau for the following reasons: sample census data have been controlled to match 100 percent count (Summary File 1) data; and some minor adjustments were made (such as correcting the location of housing units that were erroneously allocated by the Census Bureau to roads and open space) to more accurately reflect the region's true population and housing distribution.

POPULATION BY GENDER AND AGE (2004)

| | | | | Percent |
|------------------|--------|-------|--------|---------|
| | Total | Male | Female | Female |
| Total Population | 18,684 | 9,515 | 9,169 | 49% |
| Under 5 | 1,513 | 683 | 830 | 55% |
| 5 to 9 | 1,277 | 656 | 621 | 49% |
| 10 to 14 | 1,320 | 686 | 634 | 48% |
| 15 to 17 | 673 | 363 | 310 | 46% |
| 18 and 19 | 405 | 222 | 183 | 45% |
| 20 to 24 | 1,222 | 609 | 613 | 50% |
| 25 to 29 | 2,104 | 1,080 | 1,024 | 49% |
| 30 to 34 | 2,246 | 1,185 | 1,061 | 47% |
| 35 to 39 | 1,848 | 1,002 | 846 | 46% |
| 40 to 44 | 1,603 | 875 | 728 | 45% |
| 45 to 49 | 1,264 | 686 | 578 | 46% |
| 50 to 54 | 963 | 476 | 487 | 51% |
| 55 to 59 | 666 | 305 | 361 | 54% |
| 60 and 61 | 182 | 85 | 97 | 53% |
| 62 to 64 | 229 | 109 | 120 | 52% |
| 65 to 69 | 297 | 142 | 155 | 52% |
| 70 to 74 | 264 | 110 | 154 | 58% |
| 75 to 79 | 241 | 100 | 141 | 59% |
| 80 to 84 | 179 | 65 | 114 | 64% |
| 85 and older | 188 | 76 | 112 | 60% |
| Under 18 | 4,783 | 2,388 | 2,395 | 50% |
| 65 and older | 1,169 | 493 | 676 | 58% |
| Median age | 31.8 | 31.9 | 31.7 | - |



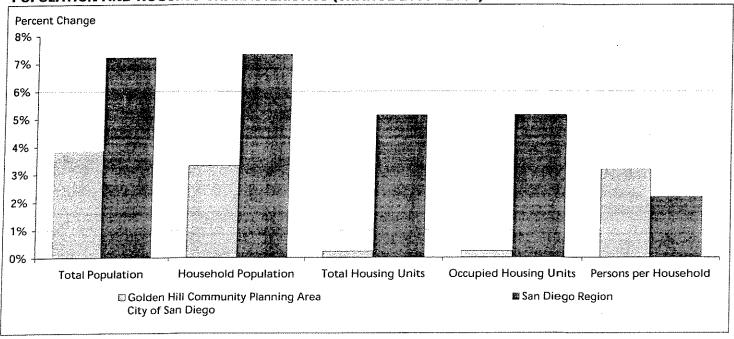


POPULATION BY RACE, ETHNICITY AND AGE (2004)

| Non-Hispan | iic |
|------------|-----|
|------------|-----|

| | | | | 140 | i i-i iispai iic | | | |
|----------------------|----------|-------|---|----------|------------------|--------------|-------|-----------|
| | | | 11.11.11.11.11.11.11.11.11.11.11.11.11. | American | | Hawaiian | | 2 or More |
| | Hispanic | White | Black | Indian | Asian | & Pa c. Isl. | Other | Races |
| Total Population | 10,822 | 5,682 | 1,105 | 69 | 516 | 40 | 14 | 436 |
| Under 5 | 1,064 | 298 | 74 | 4 | 25 | 2 | 2 | 44 |
| 5 to 9 | 1,006 | 160 | 57 | 2 | 19 | 2 | 1 | 30 |
| 10 to 14 | 1,073 | 131 | 68 | 3 | 18 | 1 | 2 | 24 |
| 15 to 17 | 535 | 78 | 31 | 2 | 12 | 0 | 1 | 14 |
| 18 and 19 | 303 | 59 | 20 | 0 | 9 | 1 | 0 | 13 |
| 20 to 24 | 944 | 167 | 55 | 4 | 24 | 1 | 1 | 26 |
| 25 to 29 | 1,333 | 558 | 89 | 3 | 72 | 1 | 2 | 46 |
| 30 to 34 | 1,302 | 709 | 86 | 6 | 90 | 8 | 1 | 44 |
| 35 to 39 | 970 | 675 | 79 | 15 | 48 | 7 | 4 | 50 |
| 40 to 44 | 685 | 652 | 150 | 19 | 41 | 11 | 0 | 45 |
| 45 to 49 | 484 | 593 | 109 | 9 | 34 | 5 | 0 | 30 |
| 50 to 54 | 336 | 488 | 94 | 1 | 16 | 0 | 0 | 28 |
| 55 to 59 | 245 | 334 | 48 | 0 | 24 | 0 | 0 | 15 |
| 60 and 61 | 79 | 79 | 14 | 0 | 8 | 0 | 0 | 2 |
| 62 to 64 | 94 | 108 | 16 | 0 | 9 | 0 | 0 | 2 |
| 65 to 69 | 117 | 125 | 26 | 0 | 23 | 0 | 0 | 6 |
| 70 to 74 | 91 | 105 | 43 | 1 | 14 | 1 | 0 | 9 |
| 75 to 79 | . 77 | 125 | 19 | 0 | 14 | 0 | 0 | 6 |
| 80 to 84 | 54 | 91 | 21 | 0 | 11 | 0 | 0 | 2 |
| 85 and older | 30 | 147 | 6 | 0 | 5 | 0 | 0 | 0 |
| Under 18 | 3,678 | 667 | 230 | 11 | 74 | 5 | 6 | 112 |
| 65 and older | 369 | 593 | 115 | 1 | 67 | 1 | 0 | 23 |
| Median age (total) | 26.8 | 40.0 | 39.6 | 38.5 | 34.4 | 37.9 | 25.0 | 32.4 |
| Median age (male) | 26.4 | 40.2 | 40.3 | 39.0 | 34.9 | 37.5 | 32.5 | 33.2 |
| Viedian age (female) | 27.3 | 39.9 | 37.3 | 38.3 | 33.9 | 38.8 | 16.5 | 31.8 |

POPULATION AND HOUSING CHARACTERISTICS (CHANGE 2000 - 2004)



From:

Kathi Riser [kriser@mcmillin.com]

Sent:

Friday, October 21, 2005 3:21 PM

To:

Airport Planning

Cc:

cal@calairlaw.com

Subject:

SDIA Master Plan

Attachments: 2005.10.22.PDF

Attached please find our response to the Notice of Preparation. Kathi Riser 619.794-1307

Effective May 9, 2005
New address: 2750 Womble Road, San Diego, CA 92106
New mailing address: P.O. Box 85104, San Diego, CA 92186-5104
New Telephone number: 619.794.1307 Fax (619.336.3027) and email (kriser@mcmillin.com) remain the same

RECEIVED

OCT 21 2005

PLANNING DEPT. #44

From:

kathleenb@cox.net

Sent:

Wednesday, October 19, 2005 11:51 AM

To:

Airport Planning

Subject:

Draft EIR for SDIA Master Plan

I am very distressed to learn of the proposed plan. I moved west of Nimitz Boulevard 17 years ago because there was very little airplane noise in that location. Over the last few years, the noise has become worse and worse. Only by extreme persistence is it possible to ascertain how and to whom to address complaints; then, complaints go unanswered or are referred to another person. The airport authority is not receptive to noise complaints or requests for information and should remedy this rather than planning any expansion of any sort, which will lead to more noise. Kathleen Bush

1611 Willow Street

San Diego CA 92106-2126

RECEIVED

OCT 19 2005

PLANNING DEPT. #44

APPENDIX A Part IV

Comments Received on May 2006 Draft EIR

DRAFT EIR FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|---|----------------|----------------------------------|---------|
| FEDERAL AGENCIES | | TO THE SAME PROPERTY OF THE SAME | |
| United States Marine Corps Marine Corps Recruit Depot/Western Recruiting Region 1600 Henderson Avenue, Ste. 238 San Diego, CA 92140-50017 | 09/14/06 | 09/18/06 | US Mail |
| Col. D.W. Zautcke (619) 524-4381 - contact Major Frank McClintick frank.mcclintick@usmc.mil | | | |

| 017121101110 | | 则是他们的 | |
|---|-------------------------|--------------|---------|
| State of California | 05/22/06 | 05/26/06 | US Mail |
| Governor's Office of Planning and Research | (Notice of project | | |
| State Clearinghouse and Planning Unit | forwarding to agencies) | | |
| 1400 Tenth Street | | | |
| P.O. Box 3044 | | | |
| Sacramento, CA 95812-3044 | | | |
| Scott Morgan | | | |
| Senior Planner | | | |
| (916) 445-0613 - phone | | | |
| (916) 323-3018 - fax | | | |
| State of California | 06/12/06 | 06/15/06 | US Mail |
| Department of Toxic Substances Control | | | |
| Southern California Region | | | |
| 5796 Corporate Avenue | | | |
| Cypress, CA 90630 | | | |
| Greg Holmes |] | | |
| Unit Chief, Southern California Cleanup Operations | | | |
| Branch - Cypress Office | | | |
| (714) 484-5471 - contact Joseph Kaslowski, Proj Mgr | | | |
| jkaslowski@dtsc.ca.gov | | | |
| State of California | 09/14/06 | 09/18/06 | US Mail |
| California Coastal Commission | | | |
| 45 Fremont, Ste. 2000 | | | |
| San Francisco, CA 94105-2219 | | | |
| Larry Simon | | | |
| Federal Consistency Coordinator | | | |
| (415) 904-5200 - phone | | | |
| (415) 904-5400 - fax | | | ŀ |

DRAFT EIR FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|---------------------------|----------------|---------------|-----|
| | | | |

| LOCAL AGENCIES | | 19 19 13 BANG 19 14 15 19 19 | |
|--|--|------------------------------------|--|
| San Diego County Office of the County Clerk 1600 Pacific Highway San Diego, CA 92101 Gregory J. Smith Recorder/County Clerk | 05/22/06 (Filing Notice) 05/26/06 (Filing Notice) | 05/22/06 (from in-person filing) & | US Mail (via Corporate Svcs) US Mail |
| City of San Diego Resource Management Division Environmental Services Department 9601 Ridgehaven Court, Ste. 210 San Diego, CA 92123-1636 Lisa F. Wood Senior Environmentalist (858) 573-1200 - phone (858) 492-5021 - fax | 09/08/06 | 09/14/06 | US Mail |
| City of San Diego Development Services 1222 First Avenue, MS 501 San Diego, CA 92101-4155 Robert J. Manis Assistant Deputy Director Land Development Review Division (619) 446-5460 - phone (619) 446-5499 - fax (619) 446-5298 - contact Fernando Lasaga, Devel Svcs Dept, (619) 433-4550 - contact Tait Galloway, City Planning & C | Current Planning | 09/18/06 Review, Transportation | Fax Analysis |

| COMMUNITY PLANNING GROUPS | \$2.50 | | |
|------------------------------------|-------------------|----------|-----------|
| Ocean Beach Planning Board, Inc. | No date on letter | 09/12/06 | Fax |
| P.O. Box 70184 | | 09/15/06 | US Mail |
| Ocean Beach, CA 92167 | | | |
| No name/signature on letter | | | |
| Peninsula Community Planning Board | 09/18/06 | 09/18/06 | E-Mail |
| 1537 Rosecrans Street, #D | | 09/18/06 | E-Mail #2 |
| San Diego, CA 92106 | | 09/18/06 | Fax |
| Lance G. Murphy | | | |
| Airport Committee Chair | | | |
| (619) 665-3210 - phone | 1 | | |
| | | | |

DRAFT EIR FOR AIRPORT MASTER PLAN EIR COMMENTS RECEIVED

| AGENCY / LETTER SIGNED BY | DATE OF LETTER | DATE RECEIVED | VIA |
|--|--|--|--|
| | | | ······································ |
| | | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| Park & Ride | 09/14/06 | 09/18/06 | US Mail |
| 3550 Kettner Blvd. | | | |
| San Diego, CA 92101 | | | |
| Thomas J. Traver | | | |
| Vice President | | į | |
| (619) 295-6659 or 295-2832 - phone | | | |
| (619) 287-8957 - fax | | | |
| Luce, Forward, Hamilton & Scripps LLP | 09/15/06 | 09/15/06 | Fax |
| 600 West Broadway, Ste. 2600 | | 09/18/06 | US Mail |
| San Diego, CA 92101-3372 | | | |
| (representing Jimsair) | | | |
| Stephen L. Marsh | | | |
| Partner | | | |
| (619) 699-2418 - phone | | | |
| (619) 645-5363 - fax | | | |
| Fox & Sohagi, LLP | 09/15/06 | 09/18/06 | US Mail |
| 10960 Wilshire Boulevard, Ste. 1270 | | | (copy to Thelia Bowens) |
| Los Angeles, CA 90024-3702 | | 09/19/06 | USPS Express Mail |
| (representing San Diego Unified Port District) | | | (orig to Airport Planning) |
| Margaret M. Sohagi | | | |
| (310) 444-7805 - phone | | | |
| (310) 444-7813 - fax | | | |
| | | | . |
| INDIVIDUALS | A Company of the Comp | | |
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ljt 9/18/06

UNITED STATES MARINE CORPS

MARINE CORPS RECRUIT DEPOT/WESTERN RECRUITING REGION 1600 HENDERSON AVENUE SUITE 238 SAN DIEGO, CALIFORNIA 92140-50017

> 5090 G4FAC

SEP 1 4 2006

Mr. Ted Anasis San Diego County Regional Airport Authority P.O. Box 82776 San Diego, California 92138-2776

RECEIVED

Dear Mr. Anasis,

SEP 18 2006

Thank you for the opportunity to comment on the Draft

Environmental Impact Report for the San Diego International

Airport Master Plan. Our comments are provided below:

- 1. Lease for runway extension and Instrument Landing System (ILS) 1.2.1. The runway extension and Instrument Landing System are located on parcels of Marine Corps Recruit Depot, San Diego (MCRDSD) property that are leased to the Airport Authority. Although the expiration date of the lease is beyond the 2015 projections, it should be included to be a more accurate reflection of Airport holdings.
- 2. California Environmental Quality Act (CEQA) document 1.5 and 2.1.1. MCRDSD requests to be included as an interested party for review of the document when available.
- 3. Aviation forecast 2.2.2 (Table 2-5). A chart that reflects past projections of annual passenger loading versus actual would be beneficial. A 1997 Master Plan working group document projected 2005 annual passenger loading to be 10,000,000 versus the actual amount of 17,372,521. The chart would allow the reviewer a more accurate picture of projections and potential impacts.
- 4. Development of the north side of the runway 2.4.2 & 4.5.4. MCRDSD is concerned with any development proposed near Washington Street. The Washington Street gate is the main gate for visitor entry and tractor/trailer deliveries.
- 5. <u>Capacity 3.2.2</u>. A key premise of the report is the assumption that the proposed actions will not increase capacity. That assumption is based upon the airlines current financial situation. Adding additional gates does make it possible for the airport to increase capacity if the fiscal situation changes.

- 6. Noise discussed as an average 5.1.1. Disruption and irritation from aircraft typically come from spikes in noise. With more take-offs and landings, the frequency of the spikes increases. Averaging tends to camouflage the impact. Please address the frequency, duration and decibel level of the spikes in the final document.
- 7. California Advisory Handbook for Community and Military Compatibility Planning (Handbook). Several sections of the report highlight planning guidelines and community plans. Please include the Handbook in the report. It can be found on http://www.opr.ca.gov/military.html.
- 8. <u>View corridor Fig 5.95</u>. The discussions and photographs of view corridors did not include Henderson Avenue. The proposed 10-gate extension will make the terminal visible on this primary street. This may constitute an adverse impact to the MCRDSD Historic District.
- 9. The point of contact for this matter is Major Frank McClintick at (619)524-4381 or frank.mcclintick@usmc.mil.

D. W. ZAUTCKE Colonel USMC By direction



STATE OF CALIFORNIA Governor's Office of Planning and Research State Clearinghouse and Planning Unit



Memorandum

Date:

May 22, 2006

To:

All Reviewing Agencies

From:

Scott Morgan, Senior Planner

Re:

SCH # 2005091105

San Diego International Airport Master Plan

The State Clearinghouse forwarded the above-mentioned project to your agency for review on May 19, 2006 with incorrect review dates. Please make note of the following information for your files:

Review period began: May 19, 2006

Review period ends: September 18, 2006

We apologize for any inconvenience this may have caused. All other project information remains the same.

REGEIVED

MAY 26 2006

cc:

Ted Anasis

San Diego County Regional Airport Authority

P.O. Box 82776

San Diego, CA 92138-2776

PLANNING DEPT. #44



San Diego County Regional Airport Authority

Mailing Address: P.O. Box 82776, San Diego, CA 92138-2776 Physical Address: 3225 N. Harbor Drive, San Diego, CA 92101

www.san.org

NOTICE OF AVAILABILITY

DRAFT ENVIRONMENTAL IMPACT REPORT SAN DIEGO INTERNATIONAL AIRPORT MASTER PLAN

PROJECT DESCRIPTION AND LOCATION: The San Diego County Regional Airport Authority has prepared a Draft Environmental Impact Report (EIR) for the Airport Master Plan (including the adoption of an airport land use plan and implementation plan) for San Diego International Airport located in the City of San Diego.

COPIES OF THE DRAFT EIR ARE AVAILABLE from the Airport Planning Department, San Diego County Regional Airport Authority, with offices located in the Commuter Terminal at San Diego International Airport, 3225 North Harbor Drive, San Diego, CA, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday. Copies of the Draft EIR may be downloaded at www.san.org under Environmental Review/CEQA. A copy of the same may also be requested by contacting Ted Anasis at (619) 400-2478.

A REVIEW PERIOD, during which the San Diego County Regional Airport Authority will receive comments upon the proposed Draft EIR, commences on May 22, 2006. Comments should be addressed to the San Diego County Regional Airport Authority. The deadline for receiving written comments regarding the adequacy of the Draft EIR is September 18, 2006. Comments may be submitted by:

- Mail to the Authority offices at SDCRAA, P.O Box 82776, San Diego, CA 92138-2776 (these comments must be postmarked by Friday, September 15, 2006).
- E-mail to the Authority offices at <u>planning@san.org</u>. The Airport Authority will accept comments to this notice via e-mail received by 5:00 p.m. on Monday, September 18, 2006, if the comments: (i) contain less than 2,000 words; and (ii) the e-mail comments do not contain any attachments. Any comments or responses to this notice containing more than 2,000 words, or which are accompanied by any attachments, must be delivered in writing to the address specified above, or they will not be considered as a valid response to this notice.
- Delivery to the Authority offices at San Diego International Airport or faxed to (619) 400-2448 by 5:00 p.m. on Monday, September 18, 2006.

| Project Title: San Diego International Airport | | |
|---|--|--|
| Project title: Con Diogo intollaborar All port | Master Plan | |
| Lead Agency: San Diego County Regional Airport Ac | uthority Contact | Person: Ted Anasis, AICP |
| Mailing Address: P.O. Box 82776 City: San Diego, CA | Phone: | (619) 400-2478 |
| City: San Diego, CA | Zip: 92138-2776 County: | San Diego County |
| Project Location: | | |
| County: San Diego County | City/Nearest Community: City of Sar | Diego |
| Cross Streets: San Diego International Airport - North | Harbor Drive | Zip Cnde: 92101 |
| Assessor's Parcel No.: | Section: Twp.: | Range: Base: |
| Within 2 Miles: State Hwy #: Interstate 5 | Waterways: | |
| Antbott2: Sau piedo atra tranciara | Railways: | Schools: |
| Document Type: | DE0-11 | |
| CEQA: NOP E Draft EIR | RECEIVED IN NO. | Other: Doint Document |
| ☐ Early Cons ☐ Supplement/Sub | scorent EIR | ☐ Final Document |
| | | |
| ☐ Mit Neg Dec ☐ Other | | · · · · · · · · · · · · · · · · · · · |
| Local Action Type: | OTTE OLLAIMIG HOUSE | |
| ☐ General Plan Update ☐ Speci | | ☐ Annexation |
| ☐ General Plan Amendment 🔞 Maste | | ☐ Redevelopment |
| General Plan Element Plans | ed Unit Development 🗀 Use Permit Plan 🔲 Land Division (S | ☐ Coastal Permit abdivision, etc.) ☐ Other |
| Constitution 1 and 1 and 1 and 1 | | |
| Development Type: | | |
| ☐ Residential: Units Acres ☐ Office: Sq.ft. Acres | C Water Facilities | Type MGD MGD Type San Diego International Airport |
| Cl Commercial: So ft. Acres | Employees D Mining: | Mineral |
| 🖸 Industrial: Sq.ft. Acres | Employees | Mineral |
| 🗆 Educational | THE STATE LICENSINGS | t: TypeMGD te: Type |
| ☐ Recreational Total Acres (approx.) | Other: | |
| | | |
| Project Issues Discussed in Document: | _ | |
| Aesthetic/Visual | Recreation/Parks Tooding Schools/Universities | ☑ Vegetation ☑ Water Quality |
| ■ Agricultural Land | | Water Supply/Groundwater |
| ☑ Archeological/Historical ☑ Geologic/Seis | smic 🗷 Sewer Capacity | ₩etland/Riparian |
| Biological Resources Minerals | Soil Erosion/Compacti | |
| ☑ Coastal Zone ☑ Noise ☑ Drainage/Absorption ☑ Population/Ho | Solid Waste ousing Balance & Toxic/Hazardous | ☑ Growth Inducing ☑ Land Use |
| ☐ Economic/Johs ☑ Public Service | | ■ Cumulative Effects |
| | | Other |
| Present Land Use/Zoning/General Plan Desig | nation: | |
| San Diego International Airport | | |
| Project Description: (please use a separate pa | | |
| | | - 78 - 7.8. · · · · · · · · · · · · · · · · · · |
| | n includes the development and operation | i of the following major project |
| The San Diego International Airport Master Plan | n includes the development and operation with 10 new jet gates; construct new airco | or the rollowing major project aft parking apron; construct new apron |
| The San Diego International Airport Master Plar components: expand existing Terminal 2 West and aircraft taxilane; construct new surface park | with 10 new jet gates; construct new airco king and vehicle circulation; and construc | aft parking apron; construct new apron t a new parking structure, departure curb |
| The San Diego International Airport Master Plan components: expand existing Terminal 2 West | with 10 new jet gates; construct new airco king and vehicle circulation; and construc | aft parking apron; construct new apron t a new parking structure, departure curb |
| The San Diego International Airport Master Plar components: expand existing Terminal 2 West and aircraft taxilane; construct new surface park | with 10 new jet gates; construct new airco king and vehicle circulation; and construc | aft parking apron; construct new apron t a new parking structure, departure curb |
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| The San Diego International Airport Master Plar components: expand existing Terminal 2 West and aircraft taxilane; construct new surface part and vehicle circulation serving Terminal 2. A princluded in the Draft EIR. e Clearinghouse Contact: (916) 445-0613 e Review Began: 5 - 19-2006 | with 10 new jet gates; construct new aircr king and vehicle circulation; and construct oject description and site plans describin Project Sent to the folio X Resources Boating & Waterways Coastal Comm | aft parking apron; construct new apron t a new parking structure, departure curb g additional project components are wing State Agencies State/Consumer Svcs General Services Cal EPA |
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Department of Toxic Substances Control

Maureen F. Gorsen, Director 5796 Corporate Avenue Cypress, California 90630



June 12, 2006

RECEIVED

JUN 15 7006

Mr. Ted Anasis, AICP San Diego County Regional Airport Authority P.O. Box 82776 San Diego, California 92138-2776

PLANNING DEPT. #44

DRAFT ENVIRONMENTAL IMPACT REPORT FOR SAN DIEGO INTERNATIONAL AIRPORT MASTER PLAN (SCH# 2005091105)

Dear Mr. Anasis:

The Department of Toxic Substances Control (DTSC) has received your submitted draft Environmental Impact Report (EIR) for the above-mentioned project. The following project description is stated about your document: "The San Diego International Airport Master Plan includes the development and operation of the following major project components: expand existing Terminal 2 West with 10 new jet gates; construct new aircraft parking apron; construct new apron and aircraft taxi lane; construct new surface parking and vehicle circulation; and construct a new parking structure, departure curb and vehicle circulation serving Terminal 2."

Based on the review of the submitted document, DTSC has comments as follow:

1) The EIR should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government agency to provide appropriate regulatory oversight. If hazardous materials or wastes were stored at the site, an environmental assessment should be conducted to determine if a release has occurred. If so, further studies should be carried out to delineate the nature and extent of the contamination, and the potential threat to public health and/or the environment should be evaluated. It may be necessary to determine if an expedited response action is required to reduce existing or potential threats to public health or the environment. If no immediate threat exists, the final remedy should be implemented in compliance with state regulations, policies, and laws.

Mr. Ted Anasis, AICP June 12, 2006 Page 2

The draft EIR states: "There are several sites both on, and adjoining, SDIA that are known or have the potential to contain hazardous materials and environmental contamination. The most potentially significant of these are the former NTC Landfill, former Teledyne-Ryan Facility, and former General Dynamics Facility."

- 2) All environmental investigations, sampling and/or remediation for the site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including Phase I and II investigations, should be summarized in the document. All sampling results in which hazardous substances were found should be clearly summarized in a table.
- Proper investigation, sampling and remedial actions, if necessary, should be conducted at the site prior to the new development or any construction, and overseen by a regulatory agency.
- 4) If any property adjacent to the project site is contaminated with hazardous chemicals, and if the proposed project is within 2,000 feet from a contaminated site, except for a gas station, then the proposed development may fall within the "Border Zone of a Contaminated Property." Appropriate precautions should be taken prior to construction if the proposed project is within a "Border Zone Property.
- 5) If building structures, asphalt or concrete-paved surface areas or other structures are planned to be demolished, an investigation should be conducted for the presence of lead-based paints or products, mercury, and asbestos containing materials (ACMs). If lead-based paints or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations, policies, and laws.
- 6) The project construction may require soil excavation and soil filling in certain areas. Appropriate sampling is required prior to disposal of the excavated soil. If the soil is contaminated, properly dispose of it rather than placing it in another location. Land Disposal Restrictions (LDRs) may be applicable to these soils. Also, if the project proposes to import soil to backfill the areas excavated, proper sampling should be conducted to make sure that the imported soil is free of contamination.

Mr. Ted Anasis, AICP June 12, 2006 Page 3

- 7) Human health and the environment of sensitive receptors should be protected during the construction or demolition activities. A study of the site, overseen by the appropriate government agency, might have to be conducted to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment.
- 8) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If so, the facility should obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942.
- 9) If during construction/demolition in the Project area, soil and/or groundwater contamination is suspected, construction/demolition in the area should cease and appropriate health and safety procedures should be implemented. If it is determined that contaminated soil and/or groundwater exist, the EIR should identify how any required investigation and/or remediation will be conducted, and the appropriate government agency to provide regulatory oversight. The draft EIR states: "In the areas of the Former Rental Car Facility Fuel Farm and Former Lindbergh Field Fuel Farm, petroleum-contaminated soil and/or groundwater may be encountered by the construction contractor.

DTSC provides guidance for cleanup oversight through the Voluntary Cleanup Program (VCP). For additional information on the VCP, please visit DTSC's web site at www.dtsc.ca.gov.

If you have any questions regarding this letter, please contact Mr. Joseph Kaslowski, Project Manager, at (714) 484-5471 or email at jkaslowski@dtsc.ca.gov.

Sincerely,

And Adelman

Greg Holmes Unit Chief

Southern California Cleanup Operations Branch - Cypress Office

cc: See next page

Mr. Ted Anasis, AICP June 12, 2006 Page 4

cc: Governor's Office of Planning and Research State Clearinghouse P.O. Box 3044 Sacramento, California 95812-3044

> Mr. Guenther W. Moskat, Chief Planning and Environmental Analysis Section CEQA Tracking Center Department of Toxic Substances Control P.O. Box 806 Sacramento, California 95812-0806

CEQA # 1431

CALIFORNIA COASTAL COMMISSION

45 FREMONT, SUITE 2000 SAN FRANCISCO, CA 94105-2219 VOICE AND TDD (415) 904-5200 FAX (415) 904-5400





September 14, 2006

RECEIVED

Ted Anasis, AICP Manager, Airport Planning San Diego County Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776 SEP 18 2006

PLANNING DEPT. #44

Subject: Draft Environmental Impact Report (DEIR) for the Airport Master Plan for San Diego International Airport

Dear Mr. Anasis:

The Coastal Commission federal consistency staff conducted a brief review of the above-referenced document for San Diego International Airport and submits the following comments. The DEIR evaluates the proposed Airport Master Plan, which consists of two elements: the Airport Land Use Plan and airport facility improvement projects designed to meet forecast air traffic demand through 2015. The Land Use Plan is a policy document that describes the boundaries of and the land uses on the airport. The proposed improvement projects include (but are not limited to) expansion of Terminal 2 West with ten new jet gates, construction of new aircraft parking aprons and aircraft taxilanes, reconstruction of Taxiway C and construction of a new taxiway east of Taxiway D, construction of a new parking structure and a surface parking lot, and construction of new general aviation facilities.

The DEIR states that one or more of these projects may require additional environmental review and approvals from government agencies. The DEIR states on page 5.10-1 that:

In accordance with the Coastal Act and Airport Authority Act, SDCRAA will seek Coastal Development Permits (if necessary) for the proposed developments at SDIA that would follow adoption of the plan (e.g., Implementation Plan projects).

Where Coastal Development Permits are necessary, SDCRAA will apply for these directly to the Coastal Commission.

The Commission staff agrees that that the SDCRAA will need to obtain coastal development permits from the Commission for proposed development at SDIA contemplated under the proposed Airport Master Plan.

Ted Anasis San Diego County Regional Airport Authority Page 2

Section 3.3 of the DEIR examines proposed federal, state, and local actions and required permits for the Airport Master Plan and states in part that:

The proposed Federal actions include Federal Aviation Administration approval of the Airport Layout Plan showing the proposed development, and the completion of the National Environmental Policy Act documentation.

Pursuant to the federal Coastal Zone Management Act (CZMA Section 307 (16 U.S.C. §1456), and 15 CFR Part 930 of the CZMA Federal Consistency Regulations) the Commission reviews federal activities, development projects, permits and licenses, and financial support to state and local governments for consistency with the California Coastal Management Program (CCMP) and in particular, the Chapter 3 policies of the California Coastal Act. Should the Federal Aviation Administration (FAA) propose development at SDIA in conjunction with or independent of the SDCRAA's proposed improvement projects, the FAA will need to prepare and submit to the Commission a consistency determination for such development. The FAA may also need to determine that Commission review of a consistency determination is needed in order for the FAA to complete its responsibilities under the National Environmental Policy Act for proposed development at SDIA. In addition, the SDCRAAA may need to prepare and submit to the Commission a consistency certification for the FAA's approval of the aforementioned Airport Layout Plan.

The Commission notes that the FAA's requirement for Commission review of a consistency determination (under any of the above scenarios) may precede the SDCRAA's anticipated schedule for submitting coastal development permit applications for airport improvement projects. In a case where the FAA is proposing development (e.g., navigation aids for airport operations proposed under the Airport Master Plan), the Commission can review a consistency determination from the FAA and either concur with or object to the project, based on conformance with the CCMP. Alternatively, where the SDCRAA is seeking Commission concurrence with the FAA's approval of an Airport Layout Plan that reflects the SDCRAA's proposed Airport Master Plan, the Commission could review that consistency certification and concur in concept (if it conforms with the CCMP), acknowledging that it will subsequently review more detailed coastal development permit applications from the SDCRAA for specific improvement projects described in the Airport Master Plan.

The primary issues that the Coastal Commission will focus on in its review of coastal development permits, consistency determinations, and consistency certifications are biological resources, water quality, and public access. The standard of review for consistency determinations and certifications is the CCMP and in particular, the Chapter 3 policies of the Coastal Act.

Thank you for the opportunity to comment on the DEIR. Additional procedural and substantive information on the federal consistency process can be obtained at the Commission's web site, www.coastal.ca.gov/fedcd/fedcndx.html. Please contact me at (415) 904-5288 should you have

Ted Anasis San Diego County Regional Airport Authority Page 3

any questions regarding the federal consistency process. Please contact Diana Lilly in the Commission's San Diego Coast District Office at (619) 767-2370 for questions regarding the coastal development permit process.

Sincerely,

Larry Simon

Federal Consistency Coordinator

cc: CCC – San Diego Coast District

FAA – San Diego



San Diego County Regional Airport Authority

Mailing Address: P.O. Box 82776, San Diego, CA 92138-2776 Physical Address: 3225 N. Harbor Drive, San Diego, CA 92101 www.san.org



MAY 2 6 2006

NOTICE OF AVAILABILITY

BY ADU DEPUTY

DRAFT ENVIRONMENTAL IMPACT REPORT SAN DIEGO INTERNATIONAL AIRPORT MASTER PLAN

PROJECT DESCRIPTION AND LOCATION: The San Diego County Regional Airport Authority has prepared a Draft Environmental Impact Report (EIR) for the Airport Master Plan (including the adoption of an airport land use plan and implementation plan) for San Diego International Airport located in the City of San Diego.

COPIES OF THE DRAFT EIR ARE AVAILABLE from the Airport Planning Department, San Diego County Regional Airport Authority, with offices located in the Commuter Terminal at San Diego International Airport, 3225 North Harbor Drive, San Diego, CA, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday. Copies of the Draft EIR may be downloaded at www.san.org under Environmental Review/CEQA. A copy of the same may also be requested by contacting Ted Anasis at (619) 400-2478.

A REVIEW PERIOD, during which the San Diego County Regional Airport Authority will receive comments upon the proposed Draft EIR, commences on May 22, 2006. Comments should be addressed to the San Diego County Regional Airport Authority. The deadline for receiving written comments regarding the adequacy of the Draft EIR is September 18, 2006. Comments may be submitted by:

- Mail to the Authority offices at SDCRAA, P.O Box 82776, San Diego, CA 92138-2776 (these comments must be postmarked by Friday, September 15, 2006).
- E-mail to the Authority offices at <u>planning@san.org</u>. The Airport Authority will accept comments to this notice via e-mail received by 5:00 p.m. on Monday, September 18, 2006, if the comments: (i) contain less than 2,000 words; and (ii) the e-mail comments do not contain any attachments. Any comments or responses to this notice containing more than 2,000 words, or which are accompanied by any attachments, must be delivered in writing to the address specified above, or they will not be considered as a valid response to this notice.
- Delivery to the Authority offices at San Diego International Airport or faxed to (619) 400-2448 by 5:00 p.m. on Monday, September 18, 2006.

| FILED IN THE OFFICE OF THE COUNTY CLERK |
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| San Diego County on WAY 14 18 18 18 |
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| Deputy /// |



THE CITY OF SAN DIEGO

September 8, 2006

Ted Anasis, AICP Manager, Airport Planning San Diego County Regional Airport Authority P.O. Box 82776 San Diego, California 92138-2776 RECEIVED

SEP 1 2 2006

PLANNING DEPT. #44

Dear Mr. Anasis:

Subject: Comments to Draft EIR for SDCRAA SCN: #2005091105

Thank you for the meeting of August 28, and for this opportunity to comment on the draft EIR for the Lindberg Field Expansion. As we discussed at our meeting, the one-time construction impacts and the going impacts associated with operation of the facility would result in significant strain to an already under-capacity disposal system. Every effort must be made to reduce solid waste generation impacts. We believe this can be accomplished with the development and implementation of a solid waste management plan that addresses construction and demolition debris and also ongoing waste generation. A variety of issues should be addressed in the plan. For example, the plans and specs for the project should insure that sufficient areas for the sorting of materials for reuse and recycling is provided, and that the project "closes the loop" by including post-consumer content materials, where appropriate. Our staff can provide models and other assistance on the development of this plan, portions of which should be included in the Mitigation Monitoring and Reporting Program.

Additionally, several inaccuracies in the text were discussed in our meeting. As we agreed, we will provide review of the new language as it pertains to

- · our C&D ordinance.
- future disposal opportunities, such as the Gregory Canyon Landfill,
- the proposed expansion of the Sycamore Landfill,
- the San Diego County Siting Element, and
- the rate of acceptance of refuse at the Miramar Landfill.

Finally, our disposal staff is aware of your need to dispose of clean and contaminated materials associated with this project and also a future project. As we discussed, in order for us, the LEA, and the public to completely understand this project, we must also understand the subsequent project, and the relationship between the two. We will be looking for this information in the final version of the EIR.



Thank you for your attention to these comments. Please call me at 858-573-1236 if you have any questions.

Sincerely,

Lisa F. Wood

Senior Environmentalist



THE CITY OF

SAN DIEGO

CITY OPERATIONS BUILDING ♦ 1222 First Avenue ♦ San Diego, California 92101

OFFICE OF DEVELOPMENT SERVICES DEPARTMENT [FAX] 446-5499

SEP 18 2006

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Please notify sender immediately if material noted was not received.



THE CITY OF SAN DIEGO

September 18, 2006

Ted Anasis San Diego Regional Airport Authority P.O. Box 82776 San Diego, CA 92138-2776

Subject:

City of San Diego Comments on the Draft Environmental Impact Report (EIR) for the Airport Master Plan for the San Diego

International Airport (SCH No. 2005091105).

Dear Ted Anasis:

The City of San Diego's Development Services Department, offers the following comments on the Draft EIR for the San Diego International Airport Master Plan Project:

Development Services Department, Land Development Review, Transportation Analysis: Fernando Lasaga (619) 446-5298

- 1. The proposed project is the increase in San Diego International Airport activity from 16.4 million annual passengers (MAP) in 2004 to 22.8 MAP in 2015, and the corresponding increase in average daily traffic (ADT) from 75,228 ADT in 2004 to 104,596 ADT in 2015. The proposed project creates an additional 29,368 ADT that needs to be analyzed in the traffic study with 1,762 (1,057 in; 705 out) trips occurring in the am peak hour and 2,056 (1,028 in; 1,028 out) trips occurring in the pm peak hour. The project must propose specific transportation mitigation such as transit service improvements and transportation demand management (TDM) in order to take credit for any reduction in the proposed project trip generation. The Traffic Impact Study for the Airport Master Plan EIR utilized a reduction of 5,096 ADT.
- 2. The peak hour trips corresponding to the proposed project should be distributed and the study area should be defined to include all street segments and freeway segments that carry 50 peak hour project trips in at least one direction of travel, all the adjacent signalized intersections, interchanges, and ramps, and any adjacent un-signalized intersection where there are stop controlled project trips. The requested revisions in the study area should also include (1) the first major signalized intersection to the west at Nimitz Boulevard and North Harbor Drive, and (2) the I-5 Freeway.



- 3. Each street segment needs to be analyzed with the existing functional classification and this classification needs to be consistent with the corresponding community plan designation for the street segment. Please do not alter the classification of a street segment because of turn lanes or merging ramps.
- 4. Also, do not alter the capacity of a street segment from the capacity shown in the City of San Diego Traffic Impact Study Manual for the corresponding street classification. Please note the following changes in street classification and capacity:
 - A. North Harbor Drive is at most a 6-lane prime arterial with a capacity of 60,000 ADT.
 - B. Any three-lane one-way major street has a capacity of 25,000 ADT.
 - C. Laurel Street is a 4-lane collector with a capacity of 30,000 ADT.
 - D. Palm Street is a 2-lane local street with a carrying capacity of 2,200 ADT.
 - E. Sassafras Street between Pacific Highway and Kettner is classified as a 2-lane collector but the assumed capacity of 12,000 ADT is acceptable.
- 5. The Traffic Impact Study for the Airport Master Plan EIR must analyze the following traffic scenarios at a minimum:
 - A. The existing traffic scenario.
 - B. The near term traffic scenario without the proposed project. This is the 2015 model with the existing 75,228 airport trips.
 - C. The near term traffic scenario with the proposed project. This is the 2015 model with the 104,596 airport trips that result from combining the existing 75,228 airport trips with the 29,368 proposed project trips.
- 6. A comparison of the two 2015 traffic scenarios with and without the proposed project should determine the significantly impacted street segments, intersections, freeway segments, interchanges and ramps in the study area.
- 7. The Traffic Impact Study for the Airport Master Plan EIR analyzes a 2015 traffic scenario where several roadway segments and intersections were found to be operating at an unacceptable level of service. The Airport Authority should take responsibility to bring these impacts to below the level of significance and to maintain an acceptable level of service by proposing improvements to the roadway segments and intersections. In addition, the Airport Authority should implement alternative mitigation measures, such as public transit, private transit, and transportation demand management, that could reduce the number of the proposed project's vehicle trips and further reduce the proposed project's traffic impacts to below the level of significance, and result in an acceptable level of service within the study area.

Development Services Department, Current Planning: Billy Church (619) 446-5343

1. At least one alternative discusses demolition of a structure (ASIG building) which is 45 years of age or older. This building, along with several others on the airport has been identified as having the potential to be historic as designated by either City, State, or National agencies as historic resources. Any future proposal to demolish structures which are 45 or more years old will be reviewed by the City of San Diego, Development Services Department as a potential historic resource.

If any of the buildings are within historic districts or designated historic resources at the time development is proposed, the development proposal may require a Site Development Permit in accordance with Process Four per Land Development Code Section 126.0502(d). These items should be discussed in the regulatory framework.

The City of San Diego's Planning Department offers the following comment on the Draft EIR for the San Diego International Airport Master Plan Project:

City Planning and Community Investment: Tait Galloway (619) 533-4550

1. Airport Land Use Plan

A. The city is unable to determine the potential impacts associated with the Airport Land Use Plan without having the benefit of reviewing the proposed policies since the Airport Authority has not made the Airport Master Plan document available for public review. The DEIR states on page 1-4 that, "The proposed project is the Airport Master Plan. The Airport Master Plan consists of two components: preparation of an Airport Land Use Plan; and implementation of improvements to meet forecast demand thought 2015." The DEIR further states on page 1-4 that, "The Airport Land Use Plan is a policy document only."

The DEIR primarily addresses the impacts associated with the airport implementation improvements identified in the DEIR and not the impacts associated with airport land use policies in the Airport Land Use Plan. The DEIR only addresses the portion of airport development up to 2015 as identified in proposed airport implementation component, yet the DEIR states on page 4-2 that, "The Airport Land Use Plan is a planning guide to ensure that Airport facilities are planned with thought and foresight to serve the greatest number of people." The DEIR states that the Airport Land Use Plan would designate future ground transportation and airport support uses for the former Teledyne Ryan

- property. The city is concerned that other potential development projects beyond those analyzed in the DEIR are mentioned, but not analyzed at a programmatic level.
- B. The DEIR also indicates on page 4-2 that the Airport Authority will analyze these potential future projects, which are beyond those analyzed in the implementation component, at the project level to ensure consistency with the Airport Land Use Plan. The city is concerned that the DEIR is not fully addressing the cumulative affects of implementing future projects that are not included in the DEIR. The DEIR states that these future unidentified projects would be consistent with the proposed Airport Land Use Plan. The city is concerned that the Airport Authority will analyze these future projects incrementally without have the full benefit of first having analyzed the cumulative impacts associated with full implementation or other implementation alternatives of the Airport Land Use Plan.
- C. The city understands that DEIR only addresses the implementation of projects up to the year 2015 and that the DEIR acknowledges that the Airport could remain at it present location beyond 2015 depending on the outcome of the current airport site selection process. The city understands that the DEIR states that runway capacity limits the capacity of the airport; nevertheless, SDIA at Lindbergh Field could potentially continue to operate beyond 2015, which will likely require the implementation of additional projects. The DEIR does not fully address alternative land use scenarios and operational policies that the Airport Authority could be utilize to improve or optimize the operation of the airport system beyond 2015. The DEIR does not also address the relocation of general aviation and/or regional serving commuter aviation operations to other airports within the county.
- D. Without have the benefit of reviewing the Draft Airport Master Plan document, the city is unable to determine if the airport is considering any operational policies to improve the operation of the airport system. In addition, the city understands that DEIR states on page 2-16 that, "The tendency for airlines to spread operations to off-peak periods as delays increase is somewhat offset by the increase in the percentage of long-haul flights, which because of time zone differences are more limited in the hours in which they can operate." The DEIR table 2-7 "Current San Diego International Airport Gate Use" indicates that Short and Medium Haul Airlines (35) and Southwest (84) combined currently has 119 average annual day departures, which accounts for 74 percent of the total gated departures. The DEIR does not fully address the feasibility of operational policies including, but not limited to providing incentives for air carriers to shift flights to off peak day-time periods (specifically for short and Medium Haul Airlines and Southwest) or to

- use larger passenger capacity aircraft as a method to consolidate multiple flights to the same designation.
- E. The city understands that the DEIR states on page 2-21 that, "Beyond the year 2015 runway delay values begin to mount requiring consideration of airfield improvements to meet natural growth at San Diego International Airport." A September 10, 2006, San Diego Union Tribune article states that, "Consultants to the Airport Authority say demand will exceed capacity by 2022." The city is unclear if the year 2015 represents when delay in operations will become a factor or if it represents when forecasted demand will exceed runway capacity.
- F. The city understands that the Federal Aviation Administration (FAA) has regulations as contained in Airport Circular 150/5300-13 that limit uses within the Runway Protection Zones (RPZs) to enhance the protection of people and property on the ground. Although not fully addressed in the DEIR, there are existing land uses in the RPZs with could not be considered compatible with FAA. The city is unable to determine if the Draft Airport Master Plan document contains policies that address the potential of purchasing properties within the RPZ.

Recommendations:

The city recommends that the Airport Authority provide the draft Airport Master Plan document for public review and comment and extend the DEIR comment period, so that draft airport land use policies in the Plan document can be fully addressed and reviewed with the DEIR.

The city also recommends that the DEIR address the following:

- > The full implementation of the Airport Land Use Plan, including the former Teledyne Ryan property, to ensure that all of the potential impacts are disclosed and addressed at a programmatic level.
- ➤ Other alternative land use scenarios including, but not limited to the relocation of general aviation facilities to other airports in the county improve operations have not been considered.
- > Operational policy alternatives including, but not limited to the policies that provide incentives for air carriers to reschedule flights from peak air travel periods to non-peak periods.
- > When the forecasted passenger demand will exceed existing runway capacity.
- > The feasibility of purchasing properties within the RPZs.

2. No Project Alternative

A. The city understands that the DEIR indicates that in theory the existing airport gates could accommodate the forecasted passenger demand up to 2015. The DEIR states on page 2-14 states:

"The estimate of common use gate requirements, as shown it Table 2-6, indicates that the projected 2015 passenger aircraft traffic could be theoretically accommodated with the existing number of gates, provided that commuter aircraft operations continue to use the commuter terminal. The 2010 and 2015 flight schedules were gated using the existing terminal layout. No changes in flight schedules were required; however, airlines would be required to share gates much more than they do currently and passenger hold rooms would not be expanded."

The city is uncertain if the DEIR analyzed if the passenger holding rooms and other terminal areas limited to ticketed passengers could safely accommodate the passengers departing and arriving to and from the projected number of flights for the no project alternative. The DEIR does not indicate the estimated maximum number of passengers in the holding rooms and other areas limited to ticketed passengers that could occur under the no project alternative and if this maximum could exceed the allowed occupancy capacity.

- B. The DEIR does not address the future conditions of other terminal aspects such as security check points, restrooms, and baggage areas. The city is uncertain if the no project analysis addressed the potential for additional areas that may be needed for security screening and claiming baggage to meet the forecasted 2015.
- C. The city understands that the DEIR indicates that in theory the existing number of gates could accommodate the forecasted demand although extremely poor passenger services could possibly affected the demand. The DEIR states on page 2-14 that:

"The gating exercise demonstrates the projected 2015 flight schedule with the existing gates, under common gate use assumptions. The gating exercise does not account for additional delays resulting from the high congestion, lack of flexibility, operational complexity resulting from extensive gate sharing, and extremely poor passenger service levels resulting from the crowded terminal area and congested roadways. All these factors could possibly induce airlines to reduce service levels even if their projected flight schedules could technically be accommodated."

The city is concerned that although the no project alternative gate utilization assumption could be theoretically possible by itself; it may not be feasible or realistic when considering the other terminal services that passengers need to use at the airport. The DEIR indicates that a reduction of airline services due to congestion and extremely poor passenger service levels could result, but the DEIR does not contain an analysis of this potential alternative. This could result in impacts that are not fully addressed in the DEIR.

D. The DEIR did not provide level of service measurements to compare existing levels of service to the forecasted 2015 and the no project level of service. The city is unable to determine the level of difference between the Baseline 2005 conditions, the no project, and project alternatives.

Recommendations:

The city recommends that the DEIR do the following:

- > Address if the holding rooms and other areas limited to ticketed passengers would have adequate capacity to allow for the acceptable movement of people and evacuation of people in the event of an emergency.
- > Provide measures for the existing and projected passenger levels of service.
- Address the capacity of other terminal services used by passengers including, but not limited to security screening, restrooms, and baggage areas to meet forecast 2015 demand.
- Amend the no project alternative to include an analysis that assumes a less than theoretical gate utilization given the other mentioned existing airport constraints that could have an affect on future airline service.

3. Airport Land Use Compatibly Plan

A. The DEIR states on page 2-26 that, "State law requires future land use development near airports to be consistent with compatibility criteria include in an Airport Land Use Development Plan." The city understands that state law allows the City Council the ability to overrule an Airport Land Use Commission consistency determination with a two-thirds vote.

B. DEIR section 2.6.2 does not clearly state that there is an adopted 2004
Airport Land Use Compatibly Plan currently in place. The city
understands that the section paragraph of this section addresses the draft
Airport Land Use Compatibility Plan.

Recommendations:

The city recommends that the DEIR do the following:

- Address that city as the local land use jurisdiction has the ability under state law to override the Airport Land Use Commission.
- Insert the word "Draft" in the second paragraph of section 2.6.2 of the DEIR before all references to the "Airport Land Use Compatibly Plan."
- Address that state law requires Airport Land Use Compatibly Plans to address airport growth during at least the next 20 years.

4. Noise

A. The city understands that the DEIR analysis concludes that there is a less than significant impact from the preferred project alternative. The DEIR states on page 5.1-5 that:

"According to a detailed grid analysis of points spaced at 0.1 nautical mile intervals within the 60 CNEL, including noise sensitive uses such as schools, hospitals, places of worship, and historic sites, there are no locations that would experience a change of 1.5 CNEL or more within the 65 CNEL, or 3.0 or more within the 60 CNEL, due to the Proposed Project (Preferred Alternative) as compared to the No Project Alternative for both 2010 and 2015 and the Baseline 2005 conditions. Therefore, the Proposed Project (Preferred Alternative) would have a less than significant impact in terms of cumulative aircraft-induced noise exposure."

The city is unable to determine from the DEIR analysis what the specific forecasted measurement of change in CNEL is for Proposed Project (Preferred Alternative) as compared to the No Project Alternative for both 2010 and 2015 and the Baseline 2005 conditions.

B. The city understands that the DEIR analysis concluded that Proposed Project as compared to the Baseline 2005 conditions would have a less than significant impact in terms of cumulative aircraft-induced noise exposure. DEIR Table 2-5 "Estimated Average Weekday Peak Month Operations – Aviation Activity High Constrained Forecast" on page 2-11 indicates that the average annual day operations in 2005 is 574 aircraft

operations and by 2015 it will be 716 aircraft operations. This represents an increase of 142 additional operations. The city was unable to determine if the DEIR analysis assumed a potential decrease in aircraft engine noise due to the retirement of older aircraft and introduction of new aircraft with quieter aircraft engines.

- C. The city understands that the impact analysis for noise (section 5.1.1.5) compared the differences in the number of units affected between the no project and the project alternatives. The analysis did not provide a breakdown of the difference between multifamily and single-family units. The city was unable to determine if the analysis used census 2000, 2005 estimates, or SANDAG forecasted housing units.
- D. The city understands that the Federal Aviation Administration has determined that residences within the 65 and above CNEL around the Airport are eligible for sound attenuation treatments to mitigate aircraft noise through the "Quieter Home Program" operated by the Airport Authority. The city is concerned that the DEIR analysis did not address the number of existing homes that would eligible for sound attenuation treatments with the Quieter Home Program.

Recommendations:

The city recommends that the DEIR do the following:

- ➤ Address the specific forecasted measurement of change in CNEL for the Proposed Project (Preferred Alternative) as compared to the No Project Alternative for both 2010 and 2015 and the Baseline 2005 conditions.
- Address the analysis, including any assumptions, used to determine the CNEL differences from the 2005 existing conditions to the proposed project alternative given the forecasted increase in daily operations.
- > Provide a breakdown between single-family and multifamily units in the impact analysis for noise.
- > Determine the difference between the number of existing units and new forecasted units for 2010 and 2015 that would be impacted by the project alternatives using the SANDAG housing forecast.

Determine the number of existing units that are located below the 65 CNEL in the Baseline 2005 conditions that could be affected by the project alternatives and as a result would be eligible for the Quieter Home Program.

Page 10 of 10 Ted Anasis

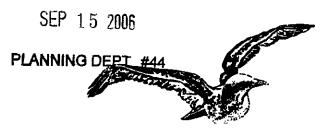
Please contact the appropriate above-named individual(s) if you have any questions on the submitted comments. We ask that you please address this issue and please provide us with a copy of the draft.

Sincerely,

Assistant Deputy Director

Land Development Review Division

RECEIVED



OCEAN BEACH PLANNING BOARD, INC. P.O. Box 70184, Ocean Beach, CA 92167

Thank you for giving the Ocean Beach Planning Board an opportunity to review and comment on the May 2006 draft Environmental Impact Report, which pertains to the proposed expansion of the San Diego International Airport. Key components of the proposed expansion include the addition of 10 new jet gates to Terminal 2 West and the construction of a new parking structure, among other improvements.

The draft EIR notes that, in 2015, the number of passengers flying in and out of SDIA is expected to reach 22.8 million, an increase of more than 30% from 2005. Similarly, the draft EIR notes that the number of flights in and out of the Airport is expected to reach more than 700 per day in 2015, a gain of 25% versus 2005.

The draft EIR goes on to state that the implementation of the proposed expansion "is needed because forecasted growth can not be reasonably accommodated within the existing Airport facilities. Without these improvements, passenger traffic through the existing terminal buildings will become severely congested during longer periods of each day and level of service will be reduced further beyond its existing degraded level." The draft EIR also notes that "these factors could possibly induce airlines to reduce" their flight offerings "even if their projected flight schedules could technically be accommodated."

As required by the California Environmental Quality Act, the draft EIR compares the expected impacts of the proposed expansion versus the impacts of a "No Project" alternative, under which none of the proposed expansion would take place. In this comparison, the draft EIR states that the No Project alternative "does not provide for adequate level of service to accommodate growth forecast through 2015. The draft EIR notes that areas of deficiency under the No Project alternative are expected to include ticketing, security screening, passenger hold rooms, baggage claims, airport access roads and parking areas, and airport support facilities.

Despite this broad range of projected deficiencies under the No Project alternative - and despite the acknowledged potential for a reduction in airline flight offerings - the draft EIR maintains that the growth in the number of passengers and flights traveling to and from SDIA would be equivalent under either the proposed expansion or under the No Project alternative. As a result, the draft EIR concludes that the proposed expansion would not result in any additional airplane noise to be borne by the communities surrounding the airport.

In the opinion of the Ocean Beach Planning Board, the draft EIR fails to develop this conclusion comprehensively, particularly considering that the conclusion seems to contradict the stated reason for expanding SDIA: to accommodate projected growth. In our opinion, the final EIR for the proposed expansion of SDIA should improve on the analysis in the draft EIR by incorporating these elements:

- case studies of similar terminal expansions at other airports, and these expansions' impact on the number of flights and passengers serviced by the airports
- analysis of the potential extent of passenger "switching" to other airports and/or means of transportation given the sharp decline in SDIA customer service levels predicted under the No Project alternative

• in general, evidence to support or to refute the draft EIR's claim that SDIA's passenger and flight numbers will be the same with or without the proposed expansion

Again, we appreciate the opportunity to review and comment on the May 2006 draft EIR. By doing so, we hope to contribute to the achievement of the stated goal of the Airport Master Plan: to provide a financially and environmentally responsible guideline for future Airport development.

From:

Sent:

Lance Murphy [lmurphy@cox.net] Monday, September 18, 2006 5:08 PM

To:

Airport Planning Cynthia Conger

Cc: Subject:

Attached comments for Draft EIR

RECEIVED

Attachments:

PCPB EIR Response.pdf

SEP 18 2006

PLANNING DEPT. #44



PCPB EIR sponse.pdf (204 KB) Ted,

Attached is a pdf file detailing our comments concerning the Draft EIR.

Regards,

Lance Murphy

Peninsula Community Planning Board

Officers

Cynthia Conger Chair

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Peninsula Community Planning Board 1537 Rosecrans Street, #D, San Diego CA 92106 (619) 665-3210

September 18, 2006

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Mr. Ted Anasis.

Manager - Airport Planning

San Diego County Regional Airport Authority

P.O. Box 82776, San Diego, CA 92138-2776

SEP 18 2006

PLANNING DEPT. #44

Subject: Response to Draft Environmental Impact Report

Airport Master Plan, dtd. May 2006

Mr. Anasis,

The Peninsula Community Planning Board represents one of the most heavily impacted communities surrounding the San Diego International Airport. We have tried to work with the Airport Authority in better understanding the assumptions of the Draft Environmental Impact Report (Draft EIR) and have concluded that either there is a gross misstatement of the facts or an intentional attempt to mislead the community, public agencies and regulatory authorities.

We believe that a principal error driving the entire analysis assumes that there is no net difference in the forecasts of Airport traffic (passengers, aircraft and vehicles) between the "No Project" and either proposed alternative. The Airport Authority has repeatedly assumed that their forecast of demand will occur, even without the proposed expansion of Gates, Taxiways, Aircraft Parking, Roadways, and Vehicle Parking. Based on this assumption, the Airport Authority is effectively declaring no difference between the impact of "No Project" and either alternative on the Noise, Air Quality, Biotic Communities, Coastal Resources, Hazzards, etc. As a result there is little recognition of the incremental impact caused by the expansion over the 'status quo' represented by the "No Project".

The Peninsula Community Planning Board has consistently challenged the forecasts of the Airport Authority and has previously stated its concerns for the impact on our community. This entire Draft EIR is based on a recent forecast that is unreliable and understated. To date the actual operations of the Airport have consistently exceeded the 'High' forecast, which is now being used in the Draft EIR as the 'expected' level of passengers and flights. The most recent meeting of the Airport Noise Advisory Council has heard the Planning Manager, Ted Anasis, declare this forecast as the 'Worst Case' approximation of the traffic at San Diego International Airport. If this is the 'Worst Case', how come it has been consistently exceeded?

Throughout the Draft EIR there are statements concerning the negative impact on the airport efficiency and passenger experience if the proposed expansion doesn't occur (the "No Project Alternative"). In Section 4.3.5, the Draft EIR summarizes the impacts of the 'No Project Alternative" (emphasis added):

4.3.5 Summary of No Project Alternative

Without expanding facilities to serve the forecast demand for air service in and out of San Diego, it is not possible for San Diego County Regional Airport Authority to maintain existing levels of service. The No Project Alternative would result in a steady deterioration of levels of service due to an overall increase in delay associated with overburdened passenger processing and other facilities. As delay continues to increase with demand, costs would begin to rise for the passengers and airlines using San Diego International Airport. This is directly in conflict with the Airport's goal of providing facilities that can meet the forecast demand for operations and passengers in an environmental responsible manner as laid out in the Airport Master Plan.

This simple summary of the "No Project Alternative" should be reflected in the analysis of the net difference in forecast of passengers and the ability of the Airport to provide facilities to support the number of aircraft operations — as compared to the forecast using the comprehensive enhancement provided by the Master Plan improvements. In every analysis the Draft EIR has assumed that the number of passengers, aircraft flights and vehicles will be the same with only minor differences in timing and delays, obviously an analysis with an inappropriate bias.

This bias is clearly evident in the following excerpt from page 2-5 of the Draft EIR:

The Airport Master Plan used the single-runway constrained forecast to develop airport requirements for airfield, terminal and ground transportation facilities. While each of these facilities has unique characteristics, they operate collectively as a system for moving people and goods. The capacity of this Airport system is limited by its constraining component, the single runway. Capacity improvements made to the terminals and ground transportation components in this situation will increase the level of service experienced by the user without increasing the overall capacity of the San Diego International Airport.

The above citation explains that the ultimate capacity constraint is the single runway, we agree. BUT there are impacts on the daily passenger demand and operational efficiency that will result in a general decrease of passengers, flights and vehicle trips if these other facility elements are not improved as proposed in the Airport Master Plan.

Based on these facts, the Peninsula Community Planning Board (PCPB) rejects the entire analysis of the "No Project Alternative" and requests that a formal economic and operational analysis is performed to identify the differences in the forecasts (with and without the Master Plan improvements). Based on the forecast for the constrained (existing) facilities, we would expect a mitigation plan for all increases in environmental issues that result from the increased capacity of the Airport.

The PCPB (through their Airport Noise Advisory Council -ANAC representative) has requested and briefly reviewed the previous Draft EIR for the Immediate Action Plan (IAP) – the last expansion of the Airport that created Terminal 2 – West. It is noteworthy that there are obvious differences in the estimating procedures for traffic between the two Draft EIRs:

In the 1992 Draft EIR for the IAP, the Port District established significant shortfalls in both Aircraft Operations and Passengers with and without the proposed expansion. In the current EIR there is no such shortfall. Simple comparisons of the facilities improvement for the two expansions are nearly identical for the IAP and the current Airport Master Plan (AMP). With the IAP the first half of the Terminal 2 — West facility was constructed. With the current AMP this terminal will effectively double in size. In the IAP the parking and traffic routing was significantly improved; the current MAP also adds significant traffic elements.

Basically, the question is: If the 1992 Draft EIR forecasted a reduced demand and capacity without the improvements, why doesn't the current Draft EIR have a similar forecast impact?

The PCPB has specific concerns about the increased traffic and capacity of San Diego International Airport with the proposed Airport Master Plan. It is our concern that the following increased environmental impacts will occur with the expansion:

- 1. The increased number of flights will increase the noise as measured by the CNEL.
- 2. The increased number of flights will also significantly increase the number of noise events (over flights) regardless of the general reduction of noise for each flight as the fleets of planes become quieter.
- 3. The air pollution caused by the increased flights will add to health problems for our residents.
- 4. The traffic congestion will shift a significant number of vehicles to exit the airport to the West into our neighborhoods as the limited Harbor Drive capacity to the East causes a bottleneck. This is exacerbated by the planned increase in parking facilities at the airport. The Draft EIR forecasts that the ratio of departing vehicles (west vs. east) will remain the same as the number of vehicle trips increase this is a faulty assumption not supported by any analysis or 'common sense'.
- 5. The ground hazards and noise caused by increasing the number of flights on this limited runway will be evidenced in an increase of 'head to head' diversions over our neighbors to the south of the 275 degree departure path.
- 6. The number of late night (curfew hours) departures will increase noise impacts as the airport provides added capacity to load and depart.
- 7. The number of late night and early morning arrivals (legally allowed during curfew hours) will increase both noise and ground hazards for our community based on the increased number of overnight parking, gates and cargo operations provided by the proposed Master Plan.
- 8. The 'missed approach' ground hazards and noise will increase with the increased capacity provided by the proposed Master Plan.

In summary, this current Draft EIR is fatally flawed and the above items cannot be effectively reviewed to judge the environmental impacts given the inaccurate forecast in the "No Project Alternative".

Lance G. Murphy

Airport Committee Chair

Peninsula Community Planning Board



Airport Parking

3550 Kettner Blvd. San Diego, CA 92101 (619) 295-6659 295-2832 FAX 287-8957

September 14, 2006

San Diego County Regional Airport Authority Attn: Mr. Ted. Anasis P.O. Box 82776 San Diego, CA 92138-2776 RECEIVED

SEP 18 2006

PLANNING DEPT. #44

RE: Comments on Airport Master Plan Draft EIR

Dear Mr. Anasis:

After reviewing the Airport Master Plan EIR dated May 2006, we continue to have the same concerns that we identified in our comment letter dated September 22, 2005.

Economic and Jobs impact

As part of the Master Plan EIR, Economics and Jobs/Housing were not factored in, but they should have been. The proposed SAN Park Pacific Highway will have a potential negative financial impact on our parking structure located at Sassafras Street and Kettner Boulevard.

Proposed Terminal 2 Parking Structure

The Master Plan EIR has identified that a two or four story parking structure is being proposed for Terminal 2 with an additional 3,200 stalls. It is still not clear to us if these 3,200 additional spaces are intended to be used for short term or long term parking.

North Area Development Mitigation

The Master Plan calls for the expansion of the SAN Park Pacific Highway facility in addition to relocating the Fixed Base Operator. Both of these facilities will be adjacent to a new access road that is to be built as an extension of Sassafras Street and onto airport property. Since the Port of San Diego has jurisdiction over Pacific Highway and the City of San Diego has jurisdiction over Sassafras Street and other feeder roads it has not been identified how the Airport Authority plans to implement any mitigation proposals when it does not have any jurisdiction over the roadway system on the north side of the airport.

EIR Comments Page Two

We are greatly disappointed and puzzled that economics were not factored into the EIR since the proposed SAN Park Pacific Highway expansion will impact Park & Ride Airport Parking, Inc. To us, it seems that this should have been and it begs the question as to whether or not the EIR has been fully vetted.

In closing, we also fully support the issues raised by the San Diego Off-Airport Parking Association.

Sincerely,

Thomas J. Traver

Vice President

Park & Ride Airport Parking

LUCE FORWARD ATTORNEYS AT LAW • FOUNDED 1873 LUCE, FORWARD, HAMFLION & SCRIPPS LLP

STEPHEN L. MARSH, PARTNER
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SEP 18 2006

PLANNING DEPT. #44

600 West Broadway Suite 2600 San Diego, CA 92101 619.236.1414 619.232.8311 fax www.luce.com

18158-00020

September 15, 2006

Via Facsimile and United States Mail

San Diego County Regional Airport Authority Attention: Mr. Ted Anasis (Airport Planning) Post Office Box 82776 San Diego, CA 92138

Re: Comments on the Draft Environmental Impact Report for the San Diego International Airport Master Plan – SDCRAA #EIR-06-01

Dear Mr. Anasis:

I am writing on behalf of Jimsair Aviation Services, Inc. ("Jimsair") to comment on the Draft Environmental Impact Report ("DEIR") for the San Diego International Airport Master Plan SDCRAA #EIR-06-01 promulgated in May 2006. As an interested organization, current tenant of the Airport and a stakeholder, Jimsair has the following comments:

- 1. We recommend that the Final Environmental Impact Report discussion of the Airport Land Use Plan include reference to the fact that areas designated for "Airport Support" uses potentially include more than one Fixed Base Operator ("FBO"). For example, because FAA regulations do not permit the grant of an exclusive right, a second FBO, either full service or limited use, could potentially be located either in the north airport area or in the areas to the south of the runway, designated for Airport Support purposes. In fact, it has been Jimsair's consistent position that the Authority is already legally obligated to begin planning for a second FBO at Lindbergh Field and that such planning should be reflected in this DEIR.
- 2. Regarding the Airport Implementation Plan, Table 5-88 in the Hazards and Hazardous Materials section of the DEIR (Section 5.15) correctly includes the Airport Fuel Farm (Site No. 6) as a site or facility with the potential to contain hazardous wastes or environmental contamination. However, the Table omits the underground storage tank at Jimsair. While there has been no reported environmental contamination or leaks from the storage tank at Jimsair, it should be included as a fuel storage facility for completeness



San Diego County Regional Airport Authority

Attention: Mr. Ted Anasis

September 15, 2006

Page 2

and to ensure there are no misunderstandings or later objections to the EIR for failure to include this <u>potential</u> impact.

- 3. Similarly, we recommend including a reference to the storage of aviation fuel at the new FBO to be built on 12.4 acres designated as the site for a relocated FBO in the northern Airport Support area. While this will not create any additional significant environmental impacts as it is merely a continuation of existing operations in a relocated area, it should be included in the EIR to ensure there are no misunderstandings or grounds for future challenge.
- 4. We recommend the Airport Authority reconsider the potential for acquisition or a land exchange with the Marine Corps Recruit Depot ("MCRD") for the purpose of extending the north Taxiway C the full length of the runway. The Draft EIR at page 4-17 states that this is not feasible because the MCRD was not listed on the most recent Federal Base Realignment and Closure ("BRAC") report and, consequently, could not be acquired within the "relevant time horizon". The SDCRAA should reconsider this analysis in light of its selection of Miramar MCAS as a site for the location of a future civilian commercial airport despite Miramar also being excluded from the most recent BRAC closure list and the SDCRAA's publicly stated belief that it can feasibly be acquired in virtually the same "relevant time horizon".

Jimsair appreciates the opportunity to comment on this DEIR and looks forward to reviewing the Final EIR. Please contact me if you have any questions regarding these comments. Please forward a copy of the Final EIR to my attention for future review.

Very truly yours,

Stephen L. Marsh

of

LUCE, FORWARD, HAMILTON & SCRIPPS LLP

SLM/rj

cc: Mr. Phil Bracamonte

Lee Burdick, Esq.

3744778.2

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September 15, 2006

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San Diego County Regional Airport Authority
Attention: Airport Planning

SEP 19 2006

P.O. Box 82776

San Diego, California 92138-2776

PLANNING DEPT. #44

Re: Comments on Draft Environmental Impact Report Airport Master Plan, San Diego International Airport

Dear Sir or Madam:

Fox & Sohagi, LLP has been retained by the San Diego Unified Port District ("the Port") to review the Draft Environmental Impact Report ("DEIR") prepared for the proposed San Diego International Airport Master Plan. Our detailed comments are set forth below. The Port's primary concern is with several major deficiencies contained in the current DEIR. The first is the failure to address potential impacts associated with a vast expansion of parking and rental car facilities on the airport property. Currently, these services are in large part provided off-site. While certain benefits may accrue to the Airport from creating new parking and rental car facilities on the airport property itself, the Airport Authority must carefully consider the impacts its actions will have on surrounding businesses and properties. The EIR must fully evaluate and disclose the extent to which the transfer or closure of existing off-site parking and rental car facilities will result in adverse changes to the physical environment.

The Port is also concerned that the approach to assessing traffic impacts in the DEIR fails to correctly assign responsibility for cumulative traffic impacts. The current DEIR falsely assumes that implementation of the master plan will have no significant traffic impacts, since airport traffic is expected to increase anyway. But ongoing growth in airport-related traffic cannot be separated for planning or mitigation purposes from improvement projects designed to increase the airport's current capacity and service levels. The traffic analysis in the DEIR needs to be revised accordingly, and must identify mitigation measures that will offset the airport's full cumulative impacts on areawide traffic. Considerable further attention must also be paid in the DEIR to the problem of toxic air contaminant increases, which may adversely affect the health of workers on the Airport property and the surrounding community.

Our detailed comments are as follows:

Chapter 1 <u>EXECUTIVE SUMMARY</u>

Page 1-12. Section 5.13.6.1 of the DEIR identifies construction phase aesthetic impacts as potentially significant, but mitigable with stated mitigation measures. The summary table does not include this significant impact or the identified mitigation measures.

Chapter 2 INTRODUCTION, BACKGROUND AND PROJECT DESCRIPTION

Section 2.2.2 Aviation Forecast.

At p. 2-4 the text indicates the high growth scenario was used for estimating increases in passengers and air operations during the study period, even though the high growth scenario has under-predicted actual growth for the first two full years in the forecast period. Actual growth in excess of the predicted high growth scenario occurred despite a significant loss of international flights to London and Canada. (DEIR p. 2-6.) What is the justification for using a forecast that has already been shown to be potentially misleading? Although the text notes that recent increases in jet fuel prices may dampen passenger growth, this does not seem likely to alter growth in passengers and air operations in the long term. Because any under prediction of growth rate will result in under prediction of cumulative impacts associated with airport activity, we request that the forecasts be revised by (1) using a growth rate that reflects observed growth rates; or (2) augmenting the forecasts to include a new high growth scenario based on observed growth rates plus an additional small (e.g., .5% or 1%) margin of error. This latter approach would yield new low and high growth rates, the former being the current forecasts in the DEIR, and the latter being based more closely on actual observed growth. Alternatively the forecast should be based on the maximum capacity that the Airport can lease based on the new facilities proposed.

Chapters 3 and 4 <u>PROJECT OBJECTIVES and PROJECT DESCRIPTION AND ALTERNATIVES</u>

Section 3.3 Proposed Federal State and Local Actions and Required Permits (pp. 3-12 - 3-13).

The list of required permits appears incomplete. What further approvals will be required by the Airport Authority prior to actual construction of the various implementation projects?

Section 4.4 Alternatives to Land Use Plan.

It is fundamental that an EIR must consider alternatives to the proposed project. (Guidelines § 15126.6; *Mira Mar Mobile Community v. City of Oceanside* (2004) 119 Cal.App.4th 477, 487.) The DEIR, however, does not evaluate any alternatives to the proposed Land Use Plan. This is particularly troubling in light of the long range projections for increased passenger use and air operations, which suggest that major additional facilities will be required in the future to address steadily increasing demand. It is recognized that the Airport Authority is considering major alternatives for long range operation of the airport through the Airport Site Selection Program referenced in Section 1.1.4. However, this does not dispense with the need to consider alternatives to the proposed Land Use Plan in the DEIR, particularly since future relocation of airport operations from the current airport site (whether partial or complete) is highly contingent upon any number of factors and may not occur at all.

It strongly appears that, absent a major relocation of airport operations, construction of additional terminal facilities will eventually be required. The DEIR should evaluate the alternative of reserving additional terminal space on-site, and address transportation needs (parking, rental car operations) through a combination of additional curb-side drop-offs, off-site facilities and improved shuttle services.

Chapter 5 <u>ENVIRONMENTAL SETTING, CONSEQUENCES AND MITIGATION</u> MEASURES

Section 5.1 Noise.

<u>Section 5.1.1.4</u> <u>Existing Setting (pp. 5.1-3 5.1-4)</u>.

The text indicates that monitored noise data was *not* used to establish baseline conditions or projected future noise levels, allegedly because this would lead to inconsistency in the methods used to determine current and projected future impacts. There is nothing in CEQA that allows a lead agency to ignore hard monitored data in favor of projections. It is understood that given the magnitude of the study area and the need to establish the project's incremental effects, it may be necessary to rely on a modeled baseline rather than monitored data for the preliminary analysis. However, there appears no reason than the results could not be validated (and modified where necessary) by reference to monitored data where it is already available or can be easily obtained. At

San Diego County Regional Airport Authority

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a minimum, the monitored baseline data should be disclosed and the analysis identify any areas where future noise levels may actually be significantly higher or lower than forecast in the current DEIR in light of the monitored noise information.

Section 5.2 <u>Land Use Planning.</u>

The DEIR notes that parking for airport passengers is currently provided at a variety of off-site locations. (See, e.g., Section 3.2.3.4, p. 3-11.) Similarly, the rental car activity supported by the airport is currently housed off-site. However, the implementation projects will provide substantial additional on-site vehicle parking space, and the long-term improvements contemplated in the Master Plan include an additional 5,000+ public parking spaces as well as 9,000 rental car parking spaces and associated rental car facilities. (DEIR p. 5.3-27.) A potential secondary impact of the project will therefore be massive relocation of parking to the airport property. This potential impact should be evaluated in the EIR.

Section 5.3 <u>Traffic.</u>

Section 5.3.1 General Approach and Methodology.

The horizon year for the analysis is 2015, although the text acknowledges that the analysis should extend to 2025 to conform to the SANTEC/ITE standard. There is no valid justification for this limitation on the traffic analysis, particularly since the project consists of a master airport plan and various permanent improvements intended to improve service levels at the airport. The traffic analysis must be extended through 2025.

The Port is aware of the possibility that all or some airport operations may be shifted to another location sometime after 2015. However, the prospect of new or additional off-site airport facilities is speculative at this time, and is not a valid justification for imposing a ten year horizon on traffic study for this project.

Traffic Modeling and Trip Generation Analysis (subsections 5.3.1.2, 5.3.5, 5.3.5.1).

There are significant problems with the trip generation assumptions used for analysis of traffic from both elements of the project, *i.e.*, the Implementation Plan and future build out of the Land Use Plan. These are discussed separately below. The Port is particularly concerned with potential impacts on the area's freeway system. These impacts are seriously understated in the DEIR.

Implementation Plan. (DEIR pp. 5.3-21 - 5.3-22.)

The analysis assumes that the Implementation Plan will actually generate *no* additional traffic. Instead, all future traffic growth is deemed to be the result of increased airport use generally, and is thus the same under both the Implementation Plan and the No Project Alternative. (DEIR p. 5.3-21, Assumptions, first bullet.) A minor exception is allowance for 15 ADT growth due to expansion of the general aviation area. (DEIR p. 5.3-22.) This in turn serves as the basis for the subsequent conclusion that the impacts of the Implementation Plan will be limited to a limited redistribution of existing and projected traffic in the immediate project area, and that no mitigation is required. There are two basic flaws with this approach.

First, and most fundamentally, the analysis effectively assumes that future increases in traffic and ongoing development of the airport are separate and unrelated phenomena. This assumption effectively allows the Airport Authority to avoid responsibility for mitigating cumulative traffic impacts associated with expanded airport use. This is neither logical nor equitable. The Port does not believe that the expansion and improvement of airport facilities to serve increased passenger loads and related air operations can be considered separately from the impacts associated with the increased passenger activity and air operations they are designed to accommodate. As the project description in the DEIR makes clear, the primary purpose of the Implementation Plan is to alleviate declines in service levels at the airport, *i.e.* inadequate parking, terminal facilities, curb-side loading/unloading frontage and constraints on aircraft operations and overnight parking. (*See* Sections 3.2.11 - 3.2.4.2, pp. 3-6 - 3-12.) Traffic impacts associated with the increased airport activity served by the Implementation Plan must be evaluated as an impact associated with the proposed project.

The traffic analysis currently undertaken in the DEIR may have a certain limited usefulness in assessing incremental impacts associated with redistribution of airport traffic caused by the planned Implementation projects. However, for general planning, impact assessment and mitigation purposes, it is wholly inadequate. There are two possible avenues for addressing this issue.

First, a reasonable share of projected airport traffic increases can be assigned to the various project components. A reasonable share would be a share representative of the increased service capacity provided by each improvement or expansion of existing facilities, in relation to the capacity of the airport as a whole. Appropriate mitigation measures, if indicated, may be identified accordingly.

Alternately, ongoing traffic increases associated with the airport may be considered as a cumulative impact. However, as this cumulative impact is directly attributable to the airport itself, the Authority would bear responsibility for mitigation of the effects of its entire cumulative contribution to area traffic increases.

A second problem with the current analysis is that even if one assumes that increased demand for air travel is the primary driver of traffic growth at the airport, it does not follow that the various improvements in the Implementation Plan will have no effect on total vehicle trips to and from the airport. For example, while increasing public parking spaces on the airport property may have beneficial effects, it will also reduce one of the major incentives for utilizing public transportation or private van services to reach the airport. This in turn translates into more average daily trips. Provision of additional curb-side loading/unloading space may have a similar effect.

It also cannot safely be assumed that improvements of other types, such as addition of terminal facilities and consequent improvement of passenger services will have no influence at all on airplane ridership. For example, potential airplane passengers in northern San Diego County may be more likely to utilize the San Diego International Airport than other airports within driving distance, or less likely to utilize alternate means of travel such as rail, if service levels at SDIA improve.

It is recognized that some improvements, e.g. additional parking facilities, may have a positive influence on trip generation which must be factored in. An example would be a round-trip passenger who drives himself or herself to the airport and parks the rental car while away, as opposed to being dropped off and then picked up again on return by an office mate or family member. It is also recognized that the influence of the project components on trip generation may be difficult to quantify. But the DEIR currently makes no honest effort to evaluate the net potential effects of the project on trip generation at all. Even assuming these effects may be difficult to quantify, virtually any reasoned effort to assess these impacts would be better than the completely arbitrary assumption in the current DEIR that the various airport improvements included in the Implementation Plan will have no effect on traffic at all.

Proposed Airport Land Use Plan. (DEIR pp. 5.3-26 - 5.3-29.)

The analysis makes a number of insupportable assumptions. The trip generation and impact analysis should be corrected accordingly.

• The analysis assumes no increase in terminal-related traffic, although development of the TDY site and new Rental Car/Parking garage will include an estimated

San Diego County Regional Airport Authority

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5,170 new public parking spaces. (DEIR p. 5.3-27, Assumptions, fourth bullet and p. 5.3-29, Traffic Impacts.) As indicated in the previous discussion of traffic from the implementation projects, the EIR should not assume that provision of additional facilities will have no effect on vehicle trips to and from the airport.

- The trip generation analysis assumes that traffic associated with the existing rental car facilities on Rental Car Road will cease when these rental car operations are relocated to the new on-site facility. (DEIR p. 5.3-27, Trip Generation.) This is a valid assumption only if the vacated facilities remain unoccupied and are not converted to other uses. Traffic associated with reuse of these properties should be reinserted in the trip generation figures unless it can be shown that reuse of these properties will not occur.
- The trip generation analysis assumes no new traffic associated with the new air cargo facilities. (DEIR p. 5.3-29.) However, the DEIR also indicates that the new cargo facilities will allow cargo carriers to conduct cargo sorting on-site, rather than trucking cargo to and from sorting facilities at other locations. This strongly suggests (1) an increase in the number of on-site employees; and (2) potential increase in number of cargo carrying vehicles traveling to and from the new facilities, since loads will no longer be consolidated at off-site sorting facilities. Additional traffic associated with these changes should be included in the analysis.

Section 5.3.3.1 Significance Criteria/Traffic Operations.

The stated threshold of significance for traffic impacts on freeway ramps is not appropriate for this project, and leads to a serious understatement of impacts and the need for appropriate mitigation measures. The stated threshold effectively provides that at ramps currently operating without delays, the project (or project plus cumulative traffic) may increase delays by as much as 14 minutes without being considered to have a significant impact. If the ramp is already operating with 15 minute or greater delays, the project must add at least two full minutes of delay to have an impact which is recognized as significant. Using these criteria, the DEIR concludes that increased delays of 7 minutes at the I-5 southbound ramps at Grape Street and Washington/Hancock Streets (and 9 minutes in the a.m. peak hour at the latter ramp) by the year 2015 would be less than significant impacts. (DEIR pp. 5.3-32, 5.3-42.)

Although the significance threshold used in the DEIR is purportedly adopted from the SANTE/ITE Guidelines, it does not follow that it is valid for purposes of CEQA. An EIR cannot use a significance threshold that is unreasonably high in order to minimize

environmental impacts, or to avoid responsibility for identifying mitigation measures. The fact that impacts may be acceptable under adopted planning standards does not necessarily qualify an impact as insignificant for purposes of CEQA. With respect to traffic impacts, the controlling question is whether the impact represents a significant in relation to existing conditions, not whether the changed conditions will fall within specified planning or engineering standards. (Gentry v. City of Murietta (1995) 36 Cal.App.4th 1359, 1414-1417.) Given that area ramps appear to be presently operating without significant delays, delay times of 7 or 9 minutes represent an extremely serious change. By way of comparison, traffic impacts at a surface road intersection that caused vehicles to experience delays of full additional signal-cycle – typically 2 - 3 minutes – would be considered a significant impact under almost any circumstances. There is no reason that delays in freeway access should be treated as any less significant. The Port recommends that the significance threshold be revised to state that freeway ramp impacts are significant if traffic will cause traffic (veh/hr) to exceed the existing maximum meter rate, or if it will cause existing delays to increase by two minutes or more.

As to surface street impacts, there is an apparent inconsistency between the first significance criteria on p. 5.3-11, the second bulleted criterion on p. 5.3-12, and Table 5-20 referenced in both of these criteria. Do these criteria apply when an intersection will operate at LOS D, E or F (as per the chart), or only when the intersection will operate at LOS E or F with cumulative and project traffic?

Section 5.3.5 Impact Analysis.

The traffic impact analyses needs to be done in light of the previous comments on trip generation analysis and standards for significance. The Port is particularly interested in seeing the revised analysis for both direct and cumulative traffic impacts on freeway ramps utilizing a more appropriate threshold of significance.

Section 5.3.6 Construction Impacts.

The discussion acknowledges potential (but less than significant) impacts from construction traffic. However, some of the suggested amelioration measures mention detours. (DEIR p. 5.3-50.) Does this mean that road closures are anticipated in the course of construction? If so, a more detailed analysis of potential impacts related to road closures or lane closures should be included in the EIR.

Section 5.3.7 Cumulative Impacts.

For reasons discussed above, the DEIR cannot treat future increases in airport-related traffic as simply a background phenomenon unconnected to the proposed project. At a minimum, ongoing traffic increases associated with airport operations must be considered a cumulative impact for which the Airport Authority bears mitigation responsibility. If not analyzed elsewhere, the extent of this cumulative impact should be analyzed in this section, and mitigation measures identified for any impacts attributable directly to increases in airport-related traffic.

Section 5.3.8 <u>Mitigation Measures.</u>

This section should be expanded to include mitigation measures for any cumulative traffic impacts identified in the expanded impact analyses requested in the previous sections.

Also, the DEIR prescribes 3 mitigation measures (MM 5.3-1, MM 5.3-2 and MM 5.3-3) for acknowledged significant impacts of build out of the Airport Land Use Plan. (DEIR pp. 5.3-52 - 5.3-53.) Will the Airport fund these proposed mitigation measures? If not, how will they be implemented?

Section 5.5 Air Quality.

First, a general comment. A primary purpose of CEQA is to provide information to decision makers and the public concerning the environmental effects of proposed activities (Guidelines § 15002(a)(1), (4); see also, Laurel Heights Improvement Ass'n v. Regents of Univ. of Cal. (1988) 47 Cal.3d 376). The Air Quality section makes that goal difficult to achieve. It provides a large amount of technical and complicated information, with little explanation. In lieu of providing the basic background information in the section, the reader is told: "To avoid repetition, Appendix E, Air Quality, contains further and more detailed discussions of the methodologies, models, data sources, and assumptions used in these analyses." (See, 5.5.1, 5.5.5, and 5.5.6.1.) The difficulty with this direction is that Appendix E contains 202 pages of technical data that only an air quality modeler or analyst can decipher. In addition, Appendix E provides no discernable discussion of assumptions.

In vacating the certification of the EIR, the Court in Santa Clarita Organization for Planning the Environment, et al. v. County of Los Angeles (2003) 106 Cal.App.4th 715, issued a stern warning to lead agencies not to "bur[y] in an appendix" information that should be examined in the body of the document.

The chapter references 5.16 Health Risk Assessment for air quality health impacts. That analysis does not include assessment for on-site workers. The health impacts from toxic air contaminant, including those from mobile sources, must be analyzed. (See, Berkeley Keep Jets Over the Bay Committee v. Board of Port Commissioners of the City of Oakland (2001) 91 Cal.App.4th 1344.)

Section 5.5.2 Regulatory Framework.

This section lacks a discussion of relevant rules and regulations that protect air quality in San Diego. (See, http://www.sdapcd.org/rules/rules/REG4.html.) Some examples include:

- SDAPCD Rule 50: Visible Emissions
- SDAPCD Rule 62: Sulfur Content of Fuels
- SDAPCD Rule 68: Fuel Burning Equipment
- USEPA 40 CFR 80: Aircraft Engine Emission Standards

Section 5.5.3 Significance Criteria.

The chapter utilizes the CEQA Criteria for Air Quality and City of San Diego, Development Department Comparable CEQA Guidelines. While useful for some projects, they focus on qualitative factors to identify potential adverse air impacts. The better approach, and one supported by the San Diego APCD, is to use the significance thresholds included in Section 6 of the SCAQMD CEQA Handbook. It is a more objective methodology to determine potential adverse air quality impacts for both construction and operations emissions. (We do note that you do utilize the SCAQMD emission factors for off-road vehicles, Table E-31.)

Footnote 74 under this section, states that: "The applicable quantitative thresholds are based upon the SDAPCD Rule 1501 (Conformity General Federal Action)." This raises the question as to why there is no discussion of General Conformity Thresholds other that a short footnote. The Federal Clean Air Act ("CAA") (176(c)(1)) requires that projects that involve federal funding, permits or other approvals must evaluate whether the project would conflict with provisions of the CAA. The transportation conformity requirements would be addressed by SANDAG.

Section 5.5.7 Construction Emissions.

The Draft EIR states that the CARB OFFROAD and EMFAC2002 models were used to obtain estimates of annual total emissions. Were the construction emissions then

calculated using UBERMIS 2002, Version 8.7.0? Was a control efficiency applied to the uncontrolled PM10 emissions factor to account for soil stabilization, etc.?

Section 5.5.8 <u>Cumulative Impacts.</u>

This section is inadequate. It does not include specificity, explanation or sufficient analysis for assessment of cumulative impacts. Is it based only on AMP improvement projects? Are there no other reasonably foreseeable projects in the area?

Section 5.5.9 <u>Mitigation Measures</u>.

The mitigation measures lack specificity. For example:

MM5.5-2 needs to include some performance standard. Will low end zero emitting vehicles comprise 50% of the equipment? 20%?

MM5.5-8 needs a maximum speed. 15 MPH?

MM5.5-9. Does this include grates, wheel washing systems, etc. At all site exits?

MM5.5-12. What will the signs say?

Section 5.5.10 Level of Significance after Mitigation Measures.

Statements lack substantial evidence. For example, there is no discussion regarding sensitive receptors. Neither 5.5 nor 5.16 describe the location of sensitive receptors.

Section 5.6 <u>Hydrology & Water Quality Impacts.</u>

Section 5.6.7 Cumulative Impacts (p. 5.6-11).

The text acknowledges that the project will result in an increase of impermeable surfaces of about 6% on site, and presumably a corollary increase in runoff. The text also acknowledges that the current storm drain system appears inadequate when evaluated using San Diego County Hydrology Manual procedures. These factors indicate that the runoff impacts of the project may be cumulatively significant, if not significant in and of themselves. An appropriate remedy would be to adopt the recommendations of the Hydraulic Report as a mitigation measure in Section 5.6.8, and further require that any

San Diego County Regional Airport Authority

Attention: Planning Department

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improvements identified as necessary through further studies be funded and implemented in connection with the individual construction projects that comprise the Implementation Program.

Section 5.13 Aesthetic Impacts.

Section 5.13.4.1 Key View Locations and Characteristics (pp. 5.13-6 - 5.13.7).

While the impact analysis covers a large number of viewing locations, it does not consider possible view impacts from the downtown waterfront area across the bay to the airport. Potential impacts on views from the waterfront area should be included in the impact analysis, or the reasons for omitting consideration of these views indicated in the EIR.

Section 5.13.5.1 Proposed Project.

Proposed Airport Land Use Plan/Views. (DEIR pp. 5.13-7 - 5.13-9.)

Some of the narrative descriptions (e.g. Key View 12) do not state why the view impact was deemed insignificant, while others (e.g. Key Views 14 - 17) do provide a brief statement of reasons for the conclusion of no significant impact. Because aesthetic considerations are necessarily somewhat subjective, a review of the photographs does not necessarily explain the basis for the DEIR's conclusions. A more complete statement should be provided where it is currently lacking.

Section 5.13.8 Mitigation Measures.

The text does not list the mitigation measures for construction impacts identified in the previous subsection 5.13.6.1. As these impacts were significant in the absence of mitigation measures, the mitigation measures identified in subsection 5.13.6.1 should be listed here (as well as incorporated into final conditions of approval and the statutorily required mitigation monitoring plan).

Section 5.15.8 Mitigation Measures.

The text states that "Because the project improvements are provided to reduce potential impact associated with hazards and" What specific project improvements' does this refer to?

San Diego County Regional Airport Authority Attention: Planning Department September 15, 2006 Page 13

Section 5.16 Human Health Risk Assessment.

Sections 5.16-3 - 5.16.5 Impact Analysis.

Table 5-90 indicates that the incremental acute health risks calculated for the proposed project are generally lower (in some cases significantly lower) than the incremental risks calculated for the No Project alternative (Table 5.94.) What is the explanation for this, or does it indicate the modeling is unreliable?

The discussion of <u>Construction Impacts</u> claims that since these emissions are temporary in nature and generally confided to the construction site and the access/egress roadways, "they are not expected to cause a significant incremental change in cancer incidences or health risks to the receptors located in the vicinity of the Airport." This is not the position of U.S. EPA. Measure E1: *Exceedances of Short-Term Air Quality Standards*, states that "Particulate matter in the air (often called PM-10 or PM-2.5) has been found to cause increase risk of mortality (death), hospital admissions and emergency room visits for heart and lung diseases, respiratory effects, and decreases in lung function. Such health effects have been associated with both short-term and long-term exposure to particulate matter."

Chapter 6 OTHER EFFECTS OF THE PROPOSED PROJECT

Section 6.3 Growth Inducing Impacts.

Page 5-3, item 5. As previously noted in the comments on land use impacts, the project involves long-term construction of public parking spaces and relocation of existing rental car operations onto the airport property. May this not lead to change of use and ultimate intensification of use of other properties in the area that currently provide airport parking or serve rental car operations? Please analyze this potential impact.

This concludes our comments on the DEIR. On behalf of the San Diego Port Authority, thank you for your anticipated responses and revisions to the EIR.

Very truly yours,

Heliu V friedley for MARGARET M. SOHAGI of FOX & SOHAGI, LLP San Diego County Regional Airport Authority Attention: Planning Department September 15, 2006 Page 14

Chairman and Board Members, San Diego County Regional Airport Authority
 President and CEO, San Diego County Regional Airport Authority
 Chair and Commissioners, Board of Port of San Diego
 Ralph T. Hicks, Jr., Director, Land Use Planning, Port of San Diego
 C. D. Magnus, Assistant Planner, Port of San Diego
 Duane Bennett, District Counsel, Port of San Diego

Port of San Diego - Airport Master Plan EIR\Corres\Final comment letter.ltr.doc 70340.004

SDOPA

SAN DIEGO OFF-AIRPORT PARKING ASSOCIATION

MEMBERS

September 5, 2006

RECEIVED

AMPCO System Parking

San Diego County Regional Airport Authority

SEP 2 0 2006

Five Star Parking

Attn: Mr. Ted. Anasis, AICP

PLANNING DEPT. #44

Park & Ride Airport Parking P.O. Box 82776

San Diego, CA 92138-2776

OFFICERS

RE: Comments on Airport Master Plan Draft EIR

Paul Chacon President

Dear Mr. Anasis:

Thomas J. Traver Treasurer

Jeff, S. Fuller Secretary

On behalf of the San Diego Off-Airport Parking Association (SDOPA) we are submitting our comments to you regarding the Revised Airport Master Plan Draft EIR dated May 2006. After reviewing the plan, we continue to have concerns with the following issues that we have raised before.

STAFF

The following issues have not been addressed to our satisfaction.

Adrian Kwiatkowski Executive Director

Section 2.4.2 Airport Master Plan Component #2: Proposed Airport Implementation Plan - Develop and Operate Project Components.

Construct a new parking structure, departure curb and vehicle circulation serving Terminal 2

There was not enough detailed information on this proposal provided in the Master Plan. We still have the following questions:

Section 3.2.3.3 Need to Increase Public Parking Areas, states that the demand for on-Airport public parking will exceed supply by 4,326 parking stalls in 2015.... And that a new ... four level parking garage will be built over the existing Terminal 2 West surface parking lot, providing 3,200 additional parking spaces in the terminal area.

- What are the proposed uses for excess parking capacity of 3,200 spaces until demand catches up with this new supply?
- Does the Airport Authority plan on expanding its long term parking business utilizing the additional spaces at the proposed Terminal 2 parking structure and its new 3,200 spaces?

The current and future demand for short term parking seems to be a legitimate responsibility of the Airport Authority to meet since it alone controls the on-airport parking in closest proximity to all terminals. This short term parking is the most expensive in the vicinity since it provides the traveling public with the most convenience. The total demand for long term parking has traditionally been met by the private sector using off

Page Two SDOPA

site parking lots and garages which are developed on less expensive land and can offer a cheaper alternative to the traveling public.

- Has any consideration been given to the existing supply of private, off airport parking as a means to meet the increased parking demand?
- Has any consideration been given to encouraging the development of private off airport facilities, at a reduced cost, as a means to provide a less expensive long term parking alternative to the traveling public?

Relocate and reconfigure SAN Park Pacific Highway

The Master Plan will relocate and expand the SAN Park Pacific Highway parking facility which is currently at 1,670 public parking spaces. The new facility will add 500 spaces bringing the total number of spaces to 2,170 at this facility.

Section 1.1 Introduction and Background There, states that San Diego International Airport is the smallest major airport site in the United States, consisting of 661 acres.

It seems to us that utilizing limited airport acreage for parking, and then expanding that parking operation to utilize even more limited acreage, is not the best use of this public property. We agree with your statement, and the fact, that the airport is limited in size and we feel that the Airport Authority should develop a policy that the priority usage for acreage should be aviation related enterprises.

SDOPA is again curious as to whether the Airport Authority conducted an inventory of the parking spaces available at nearby privately operated parking lots to see if there is enough supply at these facilities to meet future customer demand? In our opinion, there are private development opportunities available that could help the Airport Authority manage future parking demand without the need to utilize limited public land and financial resources.

In summary, we hope that these questions are finally answered when the San Diego County Regional Airport Authority Board is presented with the EIR.

Sincerely,

Paul Chacon President Adrian Kwiatkowski Executive Director

Milt

CC: San Diego County Regional Airport Authority Board

SDOPA Board of Directors

Comment Summary – 2006 Master Plan DEIR San Diego International Airport

The Draft Environmental Impact Report for the San Diego International Airport Master Plan was distributed for review from cooperating agencies, organizations, and the public in May 2006. All of the comments were received via mail, fax, or delivered by messenger between June 12 and October 20, 2006. This section briefly summarizes the comments received by agencies and organizations. Comments are summarized in detail by category in the Appendix A.

A total of 21 agencies, organizations, and Community Planning Groups submitted comments to the SDCRAA for review and consideration during development of the Draft Environmental Impact Report. Public and agency comments were encouraged by the SDCRAA, as it is helpful in the identification of issues that warrant additional consideration.

Table 1 summarizes the number of comments received by Federal, State, and Local Agencies, Organizations, and Community Planning Groups.

Table 1-5
Summary of Comments Received

| Commenter | Written Comments |
|---------------------------|------------------|
| Federal Agencies | 2 |
| State Agencies | 5 |
| Local Agencies | 4 |
| Organizations | 8 |
| Community Planning Groups | 2 |

All of the comments received addressed the Proposed Project. Several agencies included remarks about the No Project Alternative as well, but these comments typically focused on a comparison between the Proposed Project and No Project Alternatives. No comments were received that addressed the East Terminal Alternative.

As shown in Figure 1, comments were submitted regarding several categories, with the most significant emphasis placed on (1) traffic, (2) noise, and (3) land use issues. Several comments also brought into question operational levels for the No Project and Proposed Project Alternatives, as operational levels were the same for all alternatives considered through the year 2015. Several comments expressed the need to extend the analysis year beyond 2015 to better plan for the airport's growth. The comments that were received have been addressed throughout the text of the re-circulated Draft EIR.

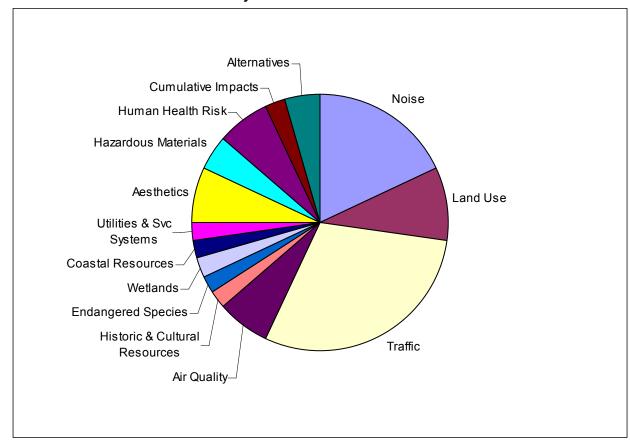


Figure 1-1
Summary of Comments Received

As shown in Figure 1, the majority of comments received address the following issues:

- 1. Traffic
- 2. Noise
- 3. Land Use

Each issue category is summarized below.

Traffic and Circulation

Comments concerning traffic and circulation in the DEIR related to traffic and parking-related issues. Several comments suggested an increase in traffic on roadways surrounding the airport and the need to conduct further analyses and mitigation at several additional intersections. Some comments requested additional information about the expansion of parking facilities on the airport site. Several organizations would like public transit to be a higher priority in planning for transportation and access to the airport. Coordination with all local transit agencies for the improvement of airport accessibility was suggested. It was also suggested to extend the future timeline beyond the year 2015 for a better estimation of future traffic impacts using the proposed alternative and No Project alternative.

Noise

Comments were made concerning the noise impact analysis completed for the DEIR. Some comments were in regard to the type of analysis that was used to compute existing and future noise exposure. Agencies and organizations questioned the method of averaging daily noise

exposure. Comments also noted that further evidence was needed to support the finding that the Proposed Project and the No Project alternatives would both produce the same number of passengers and flights, and indicated that it would stand to reason that with the proposed expansion, the number of flights would increase, along with airport noise.

Land Use

Several comments received from organizations and agencies addressing land use in the DEIR stated that the document does not fully address alternative land use scenarios and operational policies. Additionally, there were no alternatives to the Land Use Plan stated. Comments also requested revisiting the possibility of acquiring adjacent land to ease the airport's expansion. It was also noted that the timeline for addressing airport growth should be extended beyond 2015.

Air Quality

The comments addressing air quality expressed concern that increased flights would worsen air pollution and add to health problems in the San Diego area. Comments were also directed at the complexity of the air quality information in the DEIR. Additional explanation of the air quality analysis methodology and the air quality findings was requested.

Historic, Architectural, Archaeological, Paleontological, and Cultural Resources

Comments regarding the historic and cultural resources were concerned with the appropriate review of any structures 45 years or older that could be affected by the proposed alternative.

Biotic Communities/Endangered Species

The protection of active bird nests and listed endangered species throughout any construction activities and potential development were of primary interest in comments related to Biotic Communities and Endangered Species. The federally and state-listed California Least Tern species inhabits areas of the airport. Agencies recommend preventative action against disturbing these birds during project construction, in addition to their protection, pending any new development.

Wetlands

The comment received concerning wetlands states that the Department of Fish and Game and the US Army Corps of Engineers should confirm that on-site waters and wetlands are not under jurisdiction of the Federal or State government, and appropriate actions should be taken to protect any stream or riparian resources found.

Coastal Resources

Comments regarding Coastal Resources confirmed that coastal permits from the California Coastal Commission will need to be obtained for developments proposed in the Airport Master Plan, and that federal activities, development projects, permits and licenses, and financial support must comply with the California Coastal Management Program (CCMP).

Utilities and Service Systems

Comments received referred to the strain on the under-capacity disposal system that would be increased with proposed expansion to facilities in the Airport Master Plan. Comments expressed the need for a Solid Waste Management Plan that addresses construction and demolition (C&D) debris and ongoing waste generation.

Aesthetics

Specific comments addressing aesthetics included concern for the appearance of the Washington Street gate area at the MCRD, which is the main gateway for visitors to the base. Other comments were interested in mitigation measures for the short term impacts to aesthetics during construction phases of the Proposed Project. Concern for the documentation of the Henderson Avenue corridor and protection of Marine Corps Recruit Depot Historic District (MCRDSD) were also stated.

Hazards and Hazardous Materials

Comments reinforced the appropriate procedures to follow prior to any construction or demolition of any potentially hazardous or contaminated sites. Any contaminants should be remediated in compliance with California environmental regulations, policies, and laws. Appropriate soil and waste disposal actions should be taken where contaminated materials exist. The underground fuel storage tank at Jimsair Aviation Services, Inc. should be added to the DEIR's list of Fuel Storage Facilities (Table 5-88).

Human Health Risk Assessment

Health risk-related comments were primarily related to air quality concerns. Comments related to the potential harm to on-site workers due to increased exposure to exhaust and gases emitted from vehicles and aircraft.

Cumulative Impacts

Cumulative impacts comments received were directed toward the impacts anticipated by cumulative airport-related traffic and consideration of mitigation for the ongoing traffic increase associated with airport operations.

Alternatives

All comments received addressing Project Alternatives were in relation to the No Project Alternative. Comments focused on the concern that analysis comparing the Proposed Project and No Project alternatives produced similar results, especially in noise and traffic-related impacts.

APPENDIX B

Noise and Its Effect on People

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APPENDIX B: NOISE AND ITS EFFECT ON PEOPLE

This appendix presents the details of noise metrics and the effect of noise on people. This appendix also presents the following:

- The aircraft noise modeling technical report (Section B.3)
- Results of the noise impact analysis for the Proposed Project (Preferred Alternative) and its alternatives in the years 2020 and 2025 (Section B.4)
- The aircraft noise analysis summary tables (Section B.5)
- The vehicular noise analysis summary tables (Section B.6)

In the State of California, the evaluation of aircraft noise exposure in environmental documents is based primarily on analysis using the Community Noise Equivalent Level (CNEL) metric. In addition to CNEL, this study also uses supplemental noise metrics to provide a comprehensive evaluation of both cumulative and single event noise. To assist reviewers in interpreting these noise metrics, this appendix presents an introduction to the relevant fundamentals of acoustics and noise terminology (see Section B.1) and the effects of noise on human activity (see Section B.2). The technical details of the noise model used to calculate aircraft noise exposure are discussed in Section B.3 and Section B.4 includes the aircraft noise analysis figures. Summary tables of the analysis are presented in Section B.5. Section 5.1 of Chapter Five builds on this background information to provide impact analysis of aircraft noise. Section B.5 provides the Transportation Noise Study.

B.1 NOISE METRICS

Noise, which is often defined as unwanted sound, is one of the most common environmental issues associated with aircraft operations. Of course, aircraft are not the only sources of noise in an urban or suburban surrounding, where interstate and local roadway traffic, rail, industrial, and neighborhood sources may also intrude on the everyday quality of life. Nevertheless, aircraft are readily identifiable to those affected by aviation noise and are typically singled out for criticism. Consequently, aircraft noise problems often dominate analyses of environmental impacts.

A "metric" is defined as something "of, involving, or used in measurement." As used in environmental noise analyses, a metric refers to the unit or quantity that quantitatively measures the effect of noise on the environment. The Community Noise Equivalent Level (CNEL) is the noise metric used by the State of California to assess cumulative (i.e., multiple aircraft events) community noise in the vicinity of airports. While the FAA uses the methodologically similar Day-Night Average Sound Level (DNL) metric for noise analyses through the United States, the FAA accepts use of the CNEL metric for federal aviation noise assessments in California. Additionally, this study uses Time Above (TA), Sound Exposure Level (SEL), and Number of Event (NA) metrics to

provide additional comprehension on the meaning of the CNEL noise analysis, especially for daytime noise impacts to schools and nighttime noise impacts to residents.

Accordingly, this appendix discusses the following acoustic terms and metrics:

- Decibel (dB)
- A-Weighted Decibel (dBA)
- Maximum Sound Level (L_{max})
- Sound Exposure Level (SEL)
- Equivalent Sound Level (L_{eq})
- Day-Night Average Sound Level (DNL)
- Community Noise Equivalent Level (CNEL)
- Number of Events (NA)
- Time Above in Minutes (TA)

B.1.1 Decibel (dB)

All sounds come from a sound source—a musical instrument, a speaking voice, and an airplane passing overhead. Energy is needed to produce sound. The sound energy produced by any sound source is transmitted through the air in sound waves—tiny, quick oscillations of pressure just above and just below atmospheric pressure. These oscillations, or sound pressures, impinge on the ear, creating the sound we hear.

Human ears are sensitive to a wide range of sound pressures. The loudest sound that people hear without pain has about one trillion times more energy than the quietest sounds heard. As this range, on a linear scale, is unwieldy, the total range of sound pressures is compressed into to a more meaningful range by introducing the concept of sound pressure level (SPL) and its logarithmic unit of decibel (dB).

SPL is a measure of the sound pressure of a given noise source relative to a standard reference value (typically the quietest sound that a young person with good hearing can detect). Decibels are logarithmic quantities, i.e., the ratio of the two pressures: the numerator being the pressure of the sound source of interest (e.g., an aircraft), and the denominator being the reference pressure (the quietest sound we can hear).

The logarithmic conversion of sound pressure to SPL means that the quietest sound people can hear (the reference pressure) has a SPL of about zero decibels, while the loudest sounds heard without pain have SPLs of about 120 dB. Most sounds in our day-to-day environment have SPLs from 30 to 100 dB.

Because decibels are logarithmic quantities, they require logarithmic math and not simple (linear) addition and subtraction. For example, if two sound sources each produce 100 dB and are operated together, they produce only 103 dB—not 200 dB as might be expected. Four equal sources operating simultaneously result in a total SPL of 106 dB. In fact, for every doubling of the number of equal sources, the SPL (of all of the sources combined) increases another three decibels. A ten-fold increase in the number

of sources makes the SPL increase by 10 dB. A hundredfold increase makes the level increase by 20 dB and it takes a thousand equal sources to increase the level by 30 dB.

If one source is much louder than another, the two sources together will produce the same SPL (and sound to our ears) as if the louder source were operating alone. For example, a 100 dB source plus an 80 dB source produce 100 dB when operating together. The louder source "masks" the quieter one. But if the quieter source gets louder, it will have an increasing effect on the total SPL. When the two sources are equal, as described above, they produce a level 3 decibels above the sound level of either one by itself.

From these basic concepts, note that one hundred 80 dB sources will produce a combined level of 100 dB; if a single 100 dB source is added, the group will produce a total SPL of 103 dB. Clearly, the loudest source has the greatest effect on the total.

There are two useful rules of thumb to remember when comparing SPLs: (1) most of us perceive a 6 to 10 dB increase in the SPL to be an approximate doubling of loudness, and (2) changes in SPL of less than about 3 dB are not readily detectable outside of a laboratory environment.

B.1.2 A-Weighted Decibel (dBA)

Another important characteristic of sound is its frequency, or "pitch." This is the rate of repetition of the sound pressure oscillations as they reach our ear. Frequency can be expressed in units of cycles per second (cps) or Hertz (Hz). Although cps and Hz are equivalent, Hz is the preferred scientific unit and terminology.

A very good ear can hear sounds with frequencies from 16 Hz to 20,000 Hz. However, most people hear from approximately 20 Hz to approximately 10,000-15,000 Hz. People respond to sound most readily when the predominant frequency is in the range of normal conversation, around 1,000 to 4,000 Hz. Acousticians have developed and applied "filters" or "weightings" to SPLs to match our ears' sensitivity to the pitch of sounds and to help us judge the relative loudness of sounds made up of different frequencies. Two such filters, "A" and "C," are most applicable to environmental noises.

A-weighting significantly deemphasizes noise at low and high frequencies (below approximately 500 Hz and above approximately 10,000 Hz) where people do not hear as well. The filter has little or no effect at intervening frequencies where human hearing is most efficient. Figure B-1 shows a graph of the A-weighting as a function of frequency and its aforementioned characteristics. Because this filter generally matches our ears' sensitivity, sounds having higher A-weighted sound levels are usually judged to be louder than those with lower A-weighted sound levels, a relationship which does not always hold true for unweighted levels. Therefore, A-weighted sound levels are normally used to evaluate environmental noise. SPLs measured through this filter are referred to as A-weighted decibels (dBA).

As shown in Figure B-1, C-weighting is nearly flat throughout the audible frequency range, hardly deemphasizing the low frequency noise. C-weighted levels are not used

as frequently as A-weighted levels, but they may be preferable in evaluating sounds whose low-frequency components are responsible for secondary effects such as the shaking of a building, window rattle, perceptible vibrations, or other factors that can cause annoyance and complaints. Uses include the evaluation of blasting noise, artillery fire, sonic boom, and, in some cases, aircraft noise inside buildings. SPLs measured through this filter are referred to as C-weighted decibels (dBC).

10 C-weighting 0 -10 -20 Weighting (dB) -30 -40 A-weighting -50 -60 -70 -80 10 100 1000 10000 Frequency (Hz)

Figure B-1
Frequency Response Characteristics of A and C Weighting

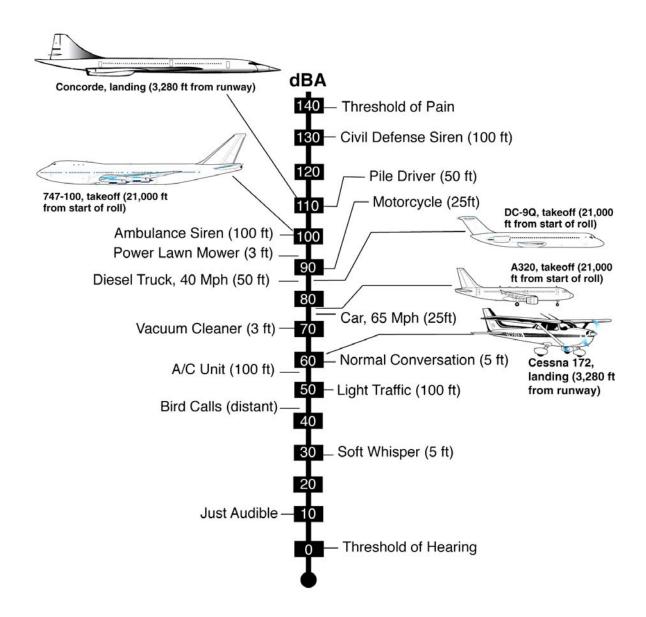
Source: ANSI S1.4-1983 "Specification of Sound Level Meters"

Other weighting networks have been developed to correspond to the sensitivity and perception of other types of sounds, such as the "B" and "D" filters. However, A-weighting has been adopted as the basic measure of community environmental noise by the U.S. Environmental Protection Agency (EPA) and nearly every other agency concerned with aircraft noise throughout the United States.

Figure B-2 presents typical A-weighted sound levels of several common environmental sources. Sound levels measured (or calculated) using A-weighting are most properly called "A-weighted sound levels" while sound levels measured without any frequency weighting are most properly called "sound levels." However, since this study deals only with A-weighted sound levels, the A-weighted sound levels are referred to simply as sound levels in the interests of conciseness.

An additional dimension to environmental noise is that sound levels vary with time and typically have a limited duration, as shown in **Figure B-3.** For example, the sound level increases as an aircraft approaches, then falls and blends into the background as the aircraft recedes into the distance. Sounds can be classified by their duration as continuous like a waterfall, impulsive like a firecracker or sonic boom, or intermittent like an aircraft overflight or vehicle passby.

Figure B-2
Sound Levels of Typical Noise Sources (dBA)



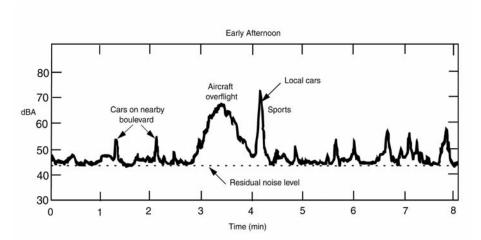


Figure B-3
Variation of Community Noise in a Suburban Neighborhood

Source: "Community Noise," NTID 300.3 EPA, December 1971.

B.1.3 Maximum Sound Level (L_{max})

The variation in sound level over time often makes it convenient to describe a particular noise "event" by its maximum sound level, abbreviated as L_{max} . For example, the L_{max} due to the aircraft overflight event in Figure B-3 is approximately 67 dBA.

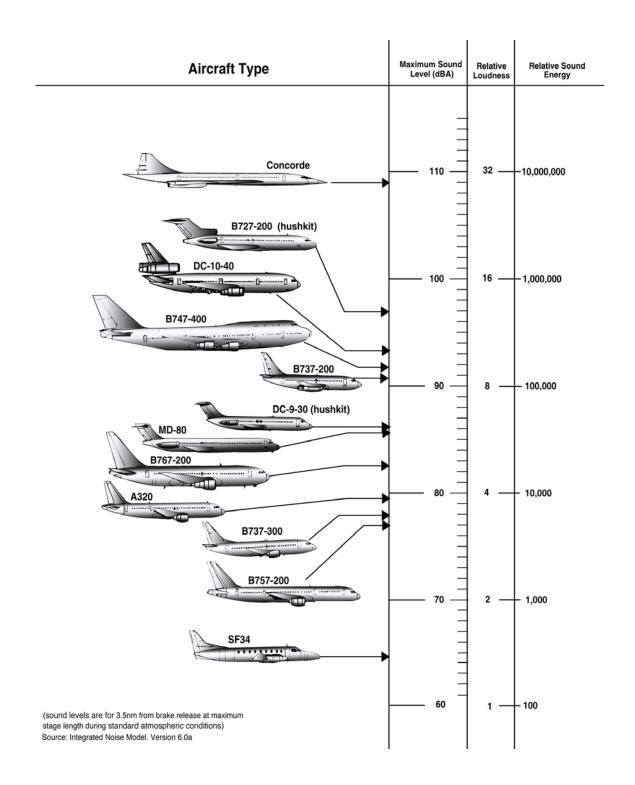
Figure B-4 shows L_{max} values for a variety of common aircraft from the FAA's Integrated Noise Model database. These L_{max} values for each aircraft type are for aircraft performing a maximum stage (trip) length departure on a day with standard atmospheric conditions at a reference distance of 3.5 nautical miles from their brake release point. Of the dozen aircraft types listed on the figure, the Concorde has the highest L_{max} and the Saab 340 turboprop has the lowest L_{max} .

The L_{max} describes only one dimension of an event; it provides no information on the cumulative noise exposure generated by a sound source. In fact, two events with identical maxima may produce very different total exposures (i.e., total influence of an event). One may be of short duration, while the other may continue for an extended period. This Sound Exposure Level metric, as discussed in the next section, corrects for this deficiency.

B.1.4 Sound Exposure Level (SEL)

The Sound Exposure Level (SEL) is frequently used to describe noise exposure for a single aircraft flyover. This metric is also sometimes referenced as the Single Event Sound Exposure Level, or SENEL. SEL may be considered an accumulation of the sound energy over the duration of an event. The shaded area in **Figure B-5** illustrates that portion of the sound energy (or "dose") included in an SEL computation. The dose is then normalized (standardized) to a duration of one second.

Figure B-4
Common Aircraft Departure Noise Levels



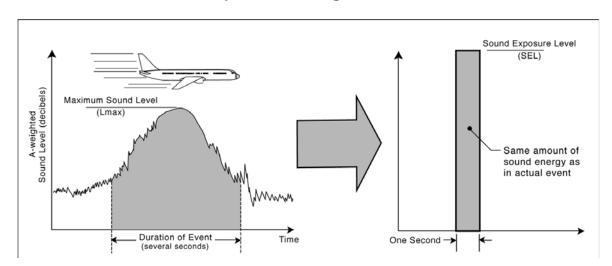


Figure B-5
Relationship between Single Event Noise Metrics

This "revised" dose is the SEL, shown as the shaded rectangular area in Figure B-5. Mathematically, the SEL represents the sound level of the constant sound that would, in one second, generate the same acoustic energy as the actual time-varying noise event. For events that last more than one second, SEL does not directly represent the sound level heard at any given time, but rather provides a measure of the net impact of the entire acoustic event.

Note that, because the SEL is normalized to one second, it will always be larger in magnitude than the L_{max} (for an event that lasts longer than one second). In fact, for most aircraft overflights, the SEL is on the order of 7 to 12 dBA higher than the L_{max} . With the SEL metric, not only do louder flyovers have higher SELs than quieter ones (of the same duration), but <u>longer</u> flyovers also have greater SELs than shorter ones (of the same L_{max}).

SEL's inclusion of both the intensity and duration of a sound source makes it the metric of choice for comparing the single-event levels of varying duration and maximum sound level. This metric provides a comprehensive basis for modeling a noise event in determining overall noise exposure; aggregate SEL values from multiple events are used to calculate cumulative noise exposure levels with the L_{eq} , DNL, and CNEL noise metrics.

B.1.5 Equivalent Sound Level (L_{eq})

The Equivalent Sound Level (abbreviated L_{eq}), is a measure of the noise exposure resulting from the accumulation of A-weighted sound levels over a particular period of interest (e.g., an hour, an 8-hour school day, nighttime, or a full 24-hour day). However, because the length of the period can be different depending on the time frame of interest, the applicable period should always be identified or clearly understood when discussing the metric. Such durations are often identified through a subscript, for example $L_{eq(8)}$ or $L_{eq(24)}$.

Conceptually, L_{eq} may be thought of as a constant sound level over the period of interest that contains as much sound energy as the actual time-varying sound level with its normal "peaks" and "valleys," as illustrated in Figure B-3. In the context of noise from typical aircraft flight events and as noted for SEL, L_{eq} does not represent the sound level heard at any particular time, but rather represents the total sound exposure for the period of interest. Also, it should be noted that the "average" sound level suggested by L_{eq} is not an arithmetic value, but a logarithmic, or "energy-averaged," sound level. Thus, loud events tend to dominate the noise environment described by the L_{eq} metric.

As for its application to airport noise issues, L_{eq} is often presented for consecutive 1-hour periods to illustrate how the hourly noise dose rises and falls throughout a 24-hour period, as well as how certain hours of the day are significantly affected by a few loud aircraft.

B.1.6 Day-Night Average Sound Level (DNL)

DNL is the same as L_{eq} (an energy-average noise level over a 24-hour period) except that 10 dB is added to those noise events occurring during the nighttime (between 10 p.m. and 7 a.m.). This weighting reflects the added intrusiveness of nighttime noise events due to community background noise levels that typically decrease by about 10 dB during those nighttime hours.

Typical DNL values for a variety of noise environments are shown in **Figure B-6** to indicate the range of noise exposure levels usually encountered.

As an example of the cumulative time-average nature of the DNL metric, **Table B-1** shows the correlation between the number of flights at a given SEL that are needed to generate a specific DNL. The table shows how the DNL metric correlates the number and sound energy of events into a time-average cumulative metric. As such, DNL represents the total sound exposure on the average day and not a specific single-event heard at a particular time.

| Correlation between Operations Frequency, SEL, and DNL | | | |
|--|----------------|---------------|--|
| Number of Flights | SEL of Flights | Resulting DNL | |
| 500 | 87.4 dB | 65 dB | |
| 100 | 94.4 dB | 65 dB | |
| 50 | 97.4 dB | 65 dB | |

Due to the DNL metric's excellent correlation with the degree of community annoyance from aircraft noise (the subject of Section B.2), DNL has been formally adopted by most federal agencies for measuring and evaluating aircraft noise for land use planning and noise impact assessment. Federal interagency committees such as the Federal Interagency on Urban Noise (FICUN) and the Federal Interagency on Noise (FICON), which include the EPA, FAA, Department of Defense, Department of Housing and

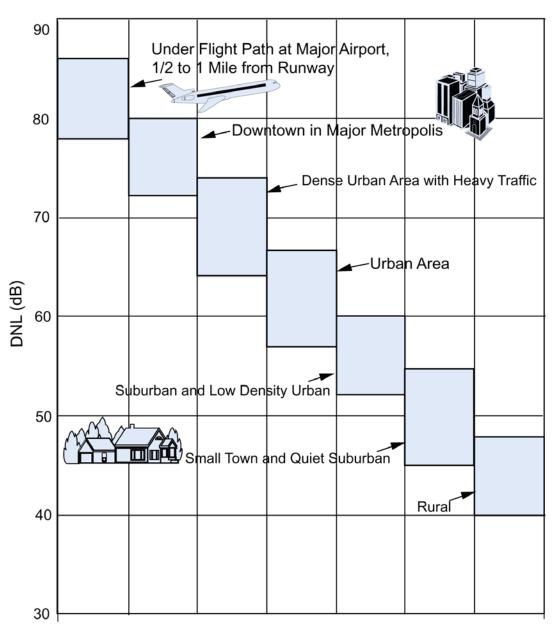


Figure B-6
Typical Range of Outdoor Community Day-Night Average Sound Levels

Source: U.S. Department of Defense. Departments of the Air Force, the Army, and the Navy, 1978. Planning in the Noise Environment. AFM 19-10. TM 5-803-2, and NAVFAC P-970. Washington, D.C.: U.S. DoD.

Urban Development (HUD), and Veterans Administration, found DNL to be the best metric for land use planning. Also, the federal interagency committees have not identified a new cumulative sound descriptors or metrics of sufficient scientific standing to substitute for DNL. Other cumulative metrics can be used to supplement, but not replace, DNL. FAA Orders 1050.1E and 5050.4B require that environmental studies

use the DNL metric to describe cumulative noise exposure and identify aircraft noise/land use compatibility issues. 1 2 3 4 5 6

B.1.7 Community Noise Equivalent Level (CNEL)

CNEL is the average noise level over a 24-hour period with a 10 dB increase to nighttime operations (between 10 p.m. and 7 a.m.) and a 3 dB increase to evening operations (operations between 7 PM to 10 PM). CNEL is similar to DNL, except that CNEL adds a 3-dB penalty to evening operations. The State of California has adopted the CNEL as the standard for assessing community noise impact.

B.1.8 Number of Events (NA)

In this study, contours were developed to show the number of aircraft operations (i.e., events) that occurred above a specific threshold in SEL. Specifically, this study evaluates the number of events during the nighttime (10:00 p.m. to 7:00 a.m.) that produce noise above specific thresholds. This is used to assess the probability of increased awakenings. The abbreviations NA80 and NA90 refer to the number of events above 80 SEL and 90 SEL, respectively. The purpose of the number of events metric is to describe the frequency of aircraft overflights that occur at or above a given SEL, in order to provide a direct comparison between years of analysis and alternatives in regards to nighttime activity. This supplements the information evaluated with the cumulative CNEL metric, which evaluated operations throughout the 24-hour annual average day.

B.1.9 Time Above in Minutes

The time above metric shows the total number of minutes that aircraft operations result in noise levels above a specific dBA threshold. For example, TA65, TA75, and TA85 are the abbreviations used to represent time above 65, 75, and 85 dBA, respectively, in total minutes. In this study, the time above metric is used to evaluate cumulative noise exposure from multiple aircraft operations. Time above metrics provide a straightforward and easy to understand representation of the total amount of time that aircraft-induced noise levels are above a given threshold.

U.S. Environmental Protection Agency, "Information on Levels of Environmental Noise Requisite to Protect the Public Health and Welfare with an Adequate Margin of Safety," Report 550/9-74-004, March 1974.

² "Guidelines for Considering Noise in Land Use Planning and Control," Federal Interagency Committee on Urban Noise, June 1980.

³ Federal Interagency Committee on Noise, "Federal Agency Review of Selected Airport Noise Analysis Issues," August 1992.

⁴ 14 CFR Part 150, Amendment 150-3, December 8, 1995.

FAA Order 1050.1E, Environmental Impacts: Policies and Procedures, Department of Transportation, Federal Aviation Administration, June 8, 2004.

FAA Order 5050.4B, National Environmental Policy Act Implementing Instructions for Airport Actions, Department of Transportation, Federal Aviation Administration, April 28, 2006.

B.2 THE EFFECTS OF AIRCRAFT NOISE ON PEOPLE

To many people, aircraft noise can be an annoyance and a nuisance. It can interfere with conversation and listening to television, disrupt classroom activities in schools, and disrupt sleep. Relating these effects to specific noise metrics aids in the understanding of how and why people react to their environment. This section addresses three ways we are potentially affected by aircraft noise: annoyance, interference of speech, and disturbance of sleep.

B.2.1 Community Annoyance

The primary potential effect of aircraft noise on exposed communities is one of annoyance. The U.S. EPA defines noise annoyance as any negative, subjective reaction on the part of an individual or group.7

Scientific studies 8 9 10 11 12 and a large number of social/attitudinal surveys 13 14 have been conducted to appraise U.S. and international community annoyance due to all types of environmental noise, especially aircraft events. These studies and surveys have found the DNL to be the best measure of that annoyance.

This relation between community annoyance and DNL has been confirmed, even for infrequent aircraft noise events. 15 For helicopter overflights occurring at a rate of 1 to 52 per day, the stated reactions of community individuals correlated with the daily timeaverage sound levels of the helicopter overflights.

The relationship between annoyance and DNL (that has been determined by the scientific community and endorsed by many federal agencies, including the FAA) is shown in Figure B-7. Two lines in Figure B-7 represent two large sets of social/ attitudinal surveys: one for a curve fit of 161 data points compiled by an individual researcher, Ted Schultz, in 1978¹⁶ and one for a curve fit of 400 data points (which include Schultz's 161 points) compiled in 1992 by the U.S. Air Force.¹⁷ The agreement of these two curves simply means corroborates the survey results.

"Guidelines for Considering Noise in Land Use Planning and Control," Federal Interagency Committee on Urban Noise, June

U.S. Environmental Protection Agency, "Information on Levels of Environmental Noise Requisite to Protect the Public Health and Welfare with an Adequate Margin of Safety," Report 550/9-74-004, March 1974.

Federal Interagency Committee on Noise, "Federal Agency Review of Selected Airport Noise Analysis Issues," August 1992. "Sound Level Descriptors for Determination of Compatible Land Use," American National Standards Institute Standard ANSI

[&]quot;Quantities and Procedures for Description and Measurement of Environmental Sound, Part I." American National Standards Institute Standard ANSI S21.9-1988.

Schultz, T.J., "Synthesis of Social Surveys on Noise Annoyance," J. Acoust. Soc. Am., 64, 377-405, August 1978.

Fidell, S., Barger, D.S., Schultz, T.J., "Updating a Dosage-Effect Relationship for the Prevalence of Annoyance Due to General Transportation Noise." J. Acoust. Soc. Am., 89, 221-233, January 1991.

[&]quot;Community Reactions to Helicopter Noise: Results from an Experimental Study," J. Acoust. Soc. Am., 479-492, August 1987.

¹⁶ Schultz, T.J., "Synthesis of Social Surveys on Noise Annoyance," <u>J. Acoust. Soc. Am.,</u> 64, 377-405, August 1978.

¹⁷ Fidell, S., Barger, D.S., Schultz, T.J., "Updating a Dosage-Effect Relationship for the Prevalence of Annoyance Due to General Transportation Noise." J. Acoust. Soc. Am., 89, 221-233, January 1991.

Figure B-7 shows the percentage of people "highly annoyed" by a given DNL. For example, the two curves in the figure yield a value of about 13% for the percentage of the people that would be highly annoyed by a DNL exposure of 65 dB. The figure also shows that at very low values of DNL, such as 45 dB or less, 1% or less of the exposed population would be highly annoyed. Furthermore, at very high values of DNL, such as 90 dB, more than 80% of the exposed population would be highly annoyed.

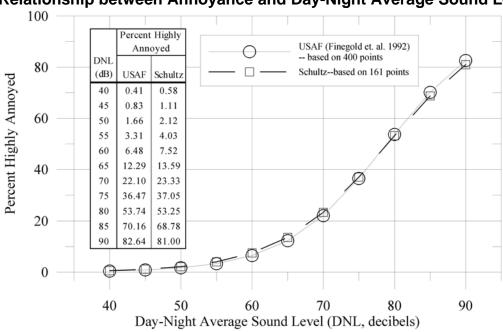


Figure B-7
Relationship between Annoyance and Day-Night Average Sound Level

Source: Federal Interagency Committee on Noise (FICON), "Federal Agency Review of Selected Airport Noise Analysis Issues", August 1992, p. 3-6, Figure 3.1

Recently, the use of DNL has been criticized as not accurately representing community annoyance and land-use compatibility with aircraft noise. One frequent criticism is based on the inherent feeling that people react more to single noise events, rather than difficult-to-comprehend time-average sound levels. In fact, a time-average noise metric, such as DNL, takes into account both the noise levels of all individual events which occur during a 24-hour period and the number of times those events occur. As described briefly above, the logarithmic nature of the decibel unit causes the noise levels of the loudest events to control the 24-hour average.

As a simple example of this characteristic, consider a case in which only one aircraft overflight occurs in daytime hours during a 24-hour period, creating a sound level of 100 dB for 30 seconds. During the remaining 23 hours 59 minutes and 30 seconds of the day, the ambient sound level is 50 dB. The DNL for this 24-hour period is 65.5 dB.

As a second example, assume that ten such 30-second overflights occur in daytime hours during the next 24-hour period, with the same ambient sound level of 50 dB

during the remaining 23 hours and 55 minutes of the day. The DNL for this 24-hour period is 75.4 dB.

Clearly, the averaging of noise over a 24-hour period does not ignore the louder single events and tends to emphasize both the sound levels and number of those events. This is the basic concept of a time-average sound metric, and, specifically, the DNL. It is often suggested that a lower DNL, such as 60 or 55 dB, be adopted as the threshold of community noise annoyance for airport environmental analysis documents. While there is no technical reason why a lower level cannot be measured or calculated for comparison purposes, a DNL of 65 dB:

- (1) Provides a valid basis for comparing and assessing community noise effects.
- (2) Represents a noise exposure level that is normally dominated by aircraft noise and not other community or nearby highway noise sources.
- (3) Reflects the FAA's threshold for grant-in-aid funding of airport noise mitigation projects.
- (4) Is used by HUD in determining eligibility for federally guaranteed home loans.

B.2.2 Speech Interference

A primary effect of aircraft noise is its tendency to drown out or "mask" speech, making it difficult to carry on a normal conversation.

Speech interference associated with aircraft noise is a primary cause of annoyance to individuals on the ground. The disruption of routine activities, such as radio or television listening, telephone use, or family conversation, causes frustration and aggravation. Research has shown that "whenever intrusive noise exceeds approximately 60 dB indoors, there will be interference with speech communication."¹⁸

Indoor speech interference can be expressed as a percentage of sentence intelligibility among two people speaking in relaxed conversation approximately one meter apart in a typical living room or bedroom. The percentage of sentence intelligibility is a nonlinear function of the (steady) indoor background sound level, as shown in **Figure B-8**. This curve was digitized and curve-fitted for the purposes of this document. Such a curve-fit yields 100 percent sentence intelligibility for background levels below 57 dB and yields less than 10 percent intelligibility for background levels above 73 dB. Note that the function is especially sensitive to changes in sound level between 65 dB and 75 dB. As an example of the sensitivity, a 1 dB increase in background sound level from 70 dB to 71 dB yields a 14 percent decrease in sentence intelligibility.

¹⁸ U.S. Environmental Protection Agency, "Information on Levels of Environmental Noise Requisite to Protect the Public Health and Welfare with an Adequate Margin of Safety," Report 550/9-74-004, March 1974.

¹⁹ Ibid.

In the same document from which Figure B-8 was taken, the EPA established an indoor criterion of 45 dB DNL as requisite to protect against speech interference indoors.

B.2.3 Sleep Disturbance

Sleep disturbance is another source of annoyance associated with aircraft noise. This is especially true because of the intermittent nature and content of aircraft noise, which is more disturbing than continuous noise of equal energy and neutral meaning.

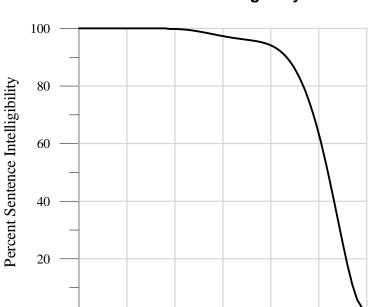


Figure B-8 Sentence Intelligibility

Steady A-Weighted Sound Level (dB re: 20 micropascals)

60

65

70

75

Source: EPA, 1974

45

50

55

0

Sleep disturbance can be measured in one of two ways. "Arousal" represents awakening from sleep, while a change in "sleep stage" represents a shift from one of four sleep stages to another stage of lighter sleep without awakening. In general, arousal requires a higher noise level than does a change in sleep stage.

In terms of average daily noise levels, some guidance is available to judge sleep disturbance. The EPA identified an indoor DNL of 45 dB as necessary to protect against sleep interference.²⁰ In June 1997, the Federal Interagency Committee on

²⁰ U.S. Environmental Protection Agency, "Information on Levels of Environmental Noise Requisite to Protect the Public Health and Welfare with an Adequate Margin of Safety," Report 550/9-74-004, March 1974.

Aviation Noise (FICAN) reviewed the sleep disturbance issue and presented a sleep disturbance dose-response prediction curve.²¹ FICAN based their curve on data from field studies^{22 23 24 25} and recommends the curve as the tool for analysis of potential sleep disturbance for residential areas. **Figure B-9** shows this curve which, for an indoor SEL of 60 dB, predicts that a maximum of approximately 5 percent of the residential population exposed are expected to be behaviorally awakened. FICAN cautions that this curve should only be applied to long-term adult residents.

50 Maximum Percent Awakenings FICAN 1997 40 0 Field Studies (Residential adult, %) 30 % Awakenings = 0.0087 * (SEL-30)**1.79 20 0_0 10 00 0 20 40 60 100 120 Indoor Sound Exposure Level (SEL, dB)

Figure B-9
Sleep Disturbance Dose-Response Relationship

Source: FICAN, 1997

B.3 AIRCRAFT NOISE MODELING TECHNICAL REPORT

This section summarizes development of the noise model used to evaluate aircraft-induced noise impacts for this study.

San Diego International Airport

²¹ Federal Interagency Committee on Aviation Noise (FICAN), "Effects of Aviation Noise on Awakenings from Sleep," June 1997.

Pearson, K.S., Barber, D.S., Tabachnick, B.G., "Analyses of the Predictability of Noise-Induced Sleep Disturbance," USAF Report HSD-TR-89-029, October 1989.

Ollerhead, J.B., Jones, C.J., Cadous, R.E., Woodley, A., Atkinson, B.J., Horne, J.A., Pankhurst, F., Reyner, L, Hume, K.I., Van, F., Watson, A., Diamond, I.D., Egger, P., Holmes, D., McKean, J., "Report of a Field Study of Aircraft Noise and Sleep Disturbance." London Department of Safety, Environment, and Engineering, 1992.

Fidell, S., Pearsons, K., Howe, R., Tabachnick, B., Silvati, L., Barber, D.S. "Noise-Induced Sleep Disturbance in Residential Settings," AL/OE-TR-1994-0131, Wright Patterson AFB, OH, Armstrong Laboratory, Occupational and Environmental Health Division, 1994.

Fidell, S., Howe, R., Tabachnick, B., Pearsons, K., Sneddon, M., "Noise-Induced Sleep Disturbance in Residences Near Two Civil Airports," Langley Research Center, 1995.

B.3.1 Noise Model

Noise calculations, including the development of CNEL and Time Above contours and detailed grid analyses, were generated using version 6.1 of the FAA's Integrated Noise Model (INM). INM uses annual average daily operations to compute existing and forecast noise. Annual average daily operations are representative of all aircraft operations that occur over the course of a year. The total annual operations are divided by 365 days to determine the annual average daily operations. Runway and flight track use is also averaged over one year.

The use of INM and computer-based noise modeling allow for the projection of future, forecast noise exposure. When the calculations are made in a consistent manner, INM is most accurate for comparing "before-and-after" noise effects resulting from forecast changes or potential alternatives. INM allows noise predictions for such forecast change actions without the actual implementation and noise monitoring of those actions.

Average temperature (60.4F), humidity (72.7%), pressure values (28.44 in-Hg) were calculated using a 10-year sample of NCDC hourly weather data at SDIA. High temperatures decrease air density, which decreases aircraft performance (e.g., takeoff distance increases and climb rate decreases) and generally results in increased noise. In conjunction with temperature, humidity affects the propagation of noise through the air. In general, sound travels farther in more humid conditions. Relative humidity is highest at night and gradually drops during the day, with the lowest point generally occurring in the afternoon.

Terrain data at 10-foot intervals were used in the noise model. Also, the displaced landing thresholds on Runways 09 and 27 are included in the noise model.

B.3.2 Fleet Mix

Table B-2 summarizes the fleet mix by aircraft type used for the years 2005, 2010, and 2015. For a given year of analysis, the fleet mix and operational level is the same for each alternative. Tables B-3 through B-5 summarize the fleet mix by aircraft type used for the years 2020, 2025, and 2030 for the No Project Alternative, the East Terminal Alternative, and the Proposed Project (Preferred Alternative), respectively. The fleet mix was developed from the gated flight schedule that was produced from the aviation activity forecasts, as described in Appendix I. For the noise analysis, the simulation results (see Appendix C) were used to define the time of day for aircraft operations (i.e., daytime, evening, and nighttime periods of CNEL) based upon the effect of delay as estimated by the SIMMOD analysis. The gated flight schedule provided information on stage lengths.

Table B-2

| Average Daily Fleet Mix (2005, 2010, 2015) | | | | | |
|--|--------------------|---------|------|------|--|
| Aircraft Group | ICAO Aircraft Type | 2005 | 2010 | 2015 | |
| Passenger | A319 | 20 | 22 | 22 | |
| | A320 | 42 | 70 | 88 | |
| | A321 | 6 | - | - | |
| | A342 | - | 2 | - | |
| | A343 | - | - | 2 | |
| | B733 | 104 | 114 | 82 | |
| | B734 | 14 | 10 | 8 | |
| | B735 | 4 | 22 | 26 | |
| | B737 | 86 | 82 | 136 | |
| | B738 | 20 | 22 | 36 | |
| | B739 | 4 | 4 | 4 | |
| | B752 | 40 | 24 | 28 | |
| | B762 | - | 2 | - | |
| | B763 | 12 | 8 | 10 | |
| | B772 | - | 4 | 10 | |
| | CRJ1 | 18 | 36 | 40 | |
| | CRJ7 | - | 20 | 24 | |
| | CRJ9 | 14 | _ | - | |
| | E120 | 36 | | _ | |
| | E140 | 18 | 44 | 44 | |
| | E190 | 10 | 24 | 30 | |
| | MD11 | _ | | 2 | |
| | MD83 | - 42 | 44 | 46 | |
| | | | 8 | 8 | |
| | MD90 | - 38 | 0 | 0 | |
| | SF34 Total | 518 | 562 | 646 | |
| Corgo | A306 | | 2 | | |
| Cargo | | 8 | | 2 | |
| | B72Q | 8 | 4 | 4 | |
| | B752 | 2 | - | 2 | |
| | B762 | 2 | 2 | 4 | |
| | B763 | - | 2 | 2 | |
| | DC10 | - | 2 | 4 | |
| | MD11 | - | 2 | - | |
| | Total | 20 | 14 | 18 | |
| General Aviation | BE20 | 4 | 12 | 12 | |
| | BE55 | 2 | - | - | |
| | C340 | 2 | - | - | |
| | C525 | 2 | - | - | |
| | C560 | 2 | - | - | |
| | C650 | 2 | - | - | |
| | C680 | 2 | - | - | |
| | CL60 | - | 6 | 8 | |
| | GLF4 | 4 | 18 | 18 | |
| | GLF5 | 2 | - | - | |
| | H25B | 2 | 10 | 12 | |

Table B-2 **Average Daily Fleet Mix (2005, 2010, 2015)**

| Average builty Fleet Mix (2000, 2010) | | | | | |
|---------------------------------------|--------------------|------|------|------|--|
| Aircraft Group | ICAO Aircraft Type | 2005 | 2010 | 2015 | |
| | L29B | 2 | - | - | |
| | LJ35 | 2 | - | - | |
| | LJ60 | 2 | - | - | |
| | PRM1 | 2 | - | - | |
| | SR22 | 2 | - | - | |
| | WW24 | 2 | - | - | |
| | Total | 36 | 46 | 50 | |
| Military | HU25 | - | 2 | 2 | |
| - | Total | - | 2 | 2 | |
| Grand Total | | 574 | 624 | 716 | |

Table B-3 **Average Daily Fleet Mix (2020, 2025, 2030)**

| Air Craft Group | ICAO Aircraft Type | 2020 No Project | 2025 No Project | 2030 No Project |
|------------------|--------------------|-----------------|-----------------|-----------------|
| Cargo | A306 | 4 | 6 | 6 |
| Ourgo | B72Q | 4 | 2 | <u> </u> |
| | B752 | 1 | 2 | 4 |
| | B762 | 4 | 4 | 4 |
| | B763 | 4 | 6 | 8 |
| | DC10 | 4 | 2 | 2 |
| | MD11 | 2 | 4 | 8 |
| | Total | 22 | 26 | 32 |
| General Aviation | BE20 | 12 | 12 | 12 |
| | CL60 | 8 | 8 | 8 |
| | GLF4 | 18 | 18 | 18 |
| | H25B | 12 | 12 | 12 |
| | Total | 50 | 50 | 50 |
| Military | FA20 | 2 | 2 | 2 |
| , | Total | 2 | 2 | 2 |
| Passenger | A319-131 | 28 | 28 | 20 |
| <u> </u> | A320-211 | 98 | 124 | 132 |
| | A321-232 | 4 | 4 | 4 |
| | A343 | 4 | 4 | 4 |
| | B733 | 38 | 20 | |
| | B734 | 8 | 6 | 4 |
| | B735 | 26 | 24 | 12 |
| | B737 | 188 | 206 | 250 |
| | B738 | 46 | 82 | 76 |
| | B739 | 2 | 2 | 6 |
| | B752 | 32 | 34 | 46 |
| | B763 | 12 | 10 | 10 |
| | B764 | 2 | 2 | 4 |
| | B772 | 12 | 16 | 20 |
| | CRJ1 | 42 | 32 | 30 |
| | CRJ7 | 22 | 22 | 14 |
| | E140 | 44 | 30 | 20 |
| | E190 | 32 | 20 | 18 |
| | MD11 | 2 | 2 | 2 |
| | MD83 | 44 | 28 | 12 |
| | MD90 | 8 | | |
| | Total | 694 | 696 | 684 |
| Grand Total | | 768 | 774 | 768 |

Table B-4
Average Daily Fleet Mix (2020, 2025, 2030)

| | Average Dai | ly Fleet Mix (2020, 20 2020 East | 2025 East | 2030 East |
|------------------|--------------------|-------------------------------------|-------------|-------------|
| | | Terminal | Terminal | Terminal |
| Air Craft Group | ICAO Aircraft Type | Alternative | Alternative | Alternative |
| Cargo | A306 | 4 | 6 | 6 |
| | B72Q | 4 | 2 | - |
| | B752 | · | 2 | 4 |
| | B762 | 4 | 4 | 4 |
| | B763 | 4 | 6 | 8 |
| | DC10 | 4 | 2 | 2 |
| | MD11 | 2 | 4 | 8 |
| | Total | 22 | 26 | 32 |
| General Aviation | BE20 | 12 | 12 | 12 |
| | CL60 | 8 | 8 | 8 |
| | GLF4 | 18 | 18 | 18 |
| | H25B | 12 | 12 | 12 |
| | Total | 50 | 50 | 50 |
| Military | FA20 | 2 | 2 | 2 |
| <u> </u> | Total | 2 | 2 | 2 |
| Passenger | A319-131 | 28 | 34 | 38 |
| | A320-211 | 98 | 112 | 142 |
| | A321-232 | 4 | 4 | 2 |
| | A343 | 4 | 4 | 4 |
| | B733 | 38 | 22 | |
| | B734 | 8 | 6 | 4 |
| | B735 | 26 | 24 | 14 |
| | B737 | 188 | 216 | 256 |
| | B738 | 46 | 82 | 92 |
| | B739 | 2 | 2 | 2 |
| | B752 | 32 | 32 | 30 |
| | B763 | 12 | 10 | 8 |
| | B764 | 2 | 2 | 4 |
| | B772 | 12 | 16 | 20 |
| | CRJ1 | 42 | 36 | 30 |
| | CRJ7 | 22 | 22 | 24 |
| | E140 | 44 | 30 | 20 |
| | E190 | 32 | 32 | 30 |
| | MD11 | 2 | 2 | 2 |
| | MD83 | 44 | 28 | 12 |
| | MD90 | 8 | | |
| | Total | 694 | 716 | 734 |
| Grand Total | | 768 | 794 | 818 |

Table B-5

| | Average Daily Fleet Mix (2020, 2025, 2030) | | | | |
|-------------------------|--|--|--|---|--|
| | 10101: 47 | 2020 Proposed Project (Preferred | 2025 Proposed Project (Preferred | 2030 Proposed Project (Preferred) | |
| Air Craft Group | ICAO Aircraft Type | Alternative) | Alternative) | Alternative | |
| Cargo | A306 | 4 | 6 | 6 | |
| | B72Q | 4 | 2 | | |
| | B752 | | 2 | 4 | |
| | B762 | 4 | 4 | 4 | |
| | B763 | 4 | 6 | 8 | |
| | DC10 | 4 | 2 | 2 | |
| | MD11 | 2 | 4 | 8 | |
| | Total | 22 | 26 | 32 | |
| General Aviation | BE20 | 12 | 12 | 12 | |
| | CL60 | 8 | 8 | 8 | |
| | GLF4 | 18 | 18 | 18 | |
| | H25B | 12 | 12 | 12 | |
| | Total | 50 | 50 | 50 | |
| Military | FA20 | 2 | 2 | 2 | |
| <u> </u> | Total | 2 | 2 | 2 | |
| Passenger | A319-131 | 28 | 34 | 38 | |
| <u> </u> | A320-211 | 98 | 112 | 142 | |
| | A321-232 | 4 | 4 | 2 | |
| | A343 | 4 | 4 | 4 | |
| | B733 | 38 | 22 | · | |
| | B734 | 8 | 6 | 4 | |
| | B735 | 26 | 24 | 14 | |
| | B737 | 188 | 216 | 256 | |
| | B738 | 46 | 82 | 92 | |
| | B739 | 2 | 2 | 2 | |
| | B752 | 32 | 32 | 30 | |
| | B763 | 12 | 10 | 8 | |
| | B764 | 2 | 2 | 4 | |
| | B772 | 12 | 16 | 20 | |
| | CRJ1 | 42 | 36 | 30 | |
| | CRJ7 | | | | |
| | E140 | 22 44 | 22 | 24 | |
| | | | 30 | 20 | |
| | E190 | 32 | 32 | 30 | |
| | MD11 | 2 | 2 | 2 | |
| | MD83 | 44 | 28 | 12 | |
| | MD90 | 8 | | | |
| | Total | 694 | 716 | 734 | |
| Grand Total | | 768 | 794 | 818 | |

Standard aircraft types and profiles for INM version 6.1 were used in the CNEL contours. For aircraft not included in INM, the FAA's pre-approved substitution list was used to identify appropriate substitution aircraft.

B.3.3 Runway Use

Table B-6 shows overall average runway use. Runway use information for the noise modeling was developed from the simulation results, in order to be consistent with the overall operational assumptions and the air quality analysis. Runway use in the SIMMOD is derived from the annual usage of the runway use configurations (i.e., West Flow VFR, West Flow IFR, and East Flow IFR). Runway use is similar for all alternatives and years of analysis.

For the purpose of calculating the average headwind for each runway end, hourly weather data was matched to the 3-month sample of ANOMS data from the fourth quarter of 2003. Typical headwinds for Runway 27 operations are 3.5 mph, while Runway 09 has typical headwinds of 0.9 mph.

Previous noise analysis for the Airport Comprehensive Land Use Plan (ACLUP) has shown slightly higher arrival usage to Runway 9 during nighttime hours than is reflected in the SIMMOD analysis. During the morning hours (during the nighttime period extending up to 7 a.m.), aircraft will often land on Runway 09 in order to utilize the ILS approach when there is ground fog. This is not directly modeled in SIMMOD, due to the practical limitations of the model. A sensitivity analysis was performed to compare a higher percentage of nighttime arrivals to Runway 09, similar to what was modeled for the ACLUP. The difference in the arrival lobes at the 60 CNEL, versus the SIMMOD-derived runway use, was about 0.1 dB. Accordingly, this difference is not considered substantial.

| Table B-6 | | | | | |
|---------------------------|----------------------|------|--------|--------|--|
| Average Annual Runway Use | | | | | |
| Operation Type | Time of Day | | Runway | | |
| Operation Type | Time of Day | 09 | 27 | Total | |
| Arrival | Daytime | 3.2% | 96.8% | 100.0% | |
| | Evening | 3.7% | 96.3% | 100.0% | |
| | Nighttime | 3.7% | 96.3% | 100.0% | |
| | Total (EDO) | 3.6% | 96.4% | 100.0% | |
| Departure | Daytime | 1.6% | 98.4% | 100.0% | |
| • | Evening | 1.7% | 98.3% | 100.0% | |
| | Nighttime | 2.0% | 98.0% | 100.0% | |
| | Total (EDO) | 1.8% | 98.2% | 100.0% | |
| Overall | Daytime | 2.3% | 97.7% | 100.0% | |
| | Evening | 2.9% | 97.1% | 100.0% | |
| | Nighttime | 2.8% | 97.2% | 100.0% | |
| | Total (EDO) | 2.7% | 97.3% | 100.0% | |
| Notes: | . , , | • | • | • | |
| EDO: Equivalent Daily | | | | | |
| Small differences exist | between alternatives | | | | |

Source: SIMMOD analysis.

B.3.4 Flight Tracks

Flight track layout was developed from a 15-day sample of radar data from October 11 to 25, 2003, as part of the ACLUP. This sample was identified for flight track analysis due to the near-average temperature spreads that prevailed during the period and the availability of operations data for both Runways 09 and 27. **Figures B-10 and B-11** show arrival and departure flight tracks in west and east flows, respectively. **Table B-7** shows average daily flight track use, with the same track identifiers shown on Figures B-10 and B-11.

Modeled departure flight tracks were developed for the 250, 275, 290, and 305/310 headings off Runway 27, as well as the 090-heading and left turn tracks off Runway 09. Multiple sub tracks were developed to the left and right of the primary flight tracks in order to model the dispersion that occurs due to weather, wind, and varying aircraft performance. Modeled arrival flight tracks were developed for the approaches to Runways 09 and 27 (e.g., the ILS RWY 9 and LOC RWY 27 IAPs), with dispersion and turns onto the final approach path as indicated by the radar data. The modeled flight tracks were developed to depict typical flight paths in the vicinity of SDIA, i.e., within a few miles of the airport to include the extents of the CNEL contours.

| | | Δver | Table B age Daily Flig | | | |
|-----------|--------|------------|---------------------------|-------------|-----------|------------|
| Operation | Runway | Track | age Daily 1 lig | Time of Day | | Equivalent |
| Type | Kunway | Identifier | Daytime | Evening | Nighttime | Daily Ops |
| Arrivals | 09 | A09A0 | 78.7% | 87.7% | 86.4% | 84.7% |
| | | A09A1 | 2.9% | 1.5% | 0.4% | 1.3% |
| | | A09A2 | 17.8% | 10.8% | 9.8% | 12.2% |
| | | A09A3 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | A09A4 | 0.6% | 0.0% | 3.4% | 1.8% |
| | | Total | 100.0% | 100.0% | 100.0% | 100.0% |
| | 27 | A27A0 | 90.7% | 90.9% | 91.9% | 91.3% |
| | | A27A1 | 2.8% | 2.7% | 3.0% | 2.8% |
| | | A27A2 | 3.1% | 1.2% | 1.8% | 2.0% |
| | | A27A3 | 0.7% | 0.8% | 0.4% | 0.6% |
| | | A27A4 | 0.6% | 0.9% | 0.6% | 0.6% |
| | | A27B0 | 0.1% | 0.1% | 0.0% | 0.1% |
| | | A27B1 | 0.1% | 0.0% | 0.0% | 0.0% |
| | | A27B2 | 0.1% | 0.3% | 0.8% | 0.5% |
| | | A27B3 | 0.1% | 0.1% | 0.0% | 0.0% |
| | | A27B4 | 0.3% | 0.0% | 0.2% | 0.2% |
| | | A27C0 | 0.3% | 2.0% | 0.5% | 0.8% |
| | | A27C1 | 0.1% | 0.2% | 0.4% | 0.3% |
| | | A27C2 | 0.4% | 0.4% | 0.2% | 0.3% |
| | | A27C3 | 0.2% | 0.3% | 0.0% | 0.1% |
| | | A27C4 | 0.2% | 0.1% | 0.0% | 0.1% |
| | | A27C5 | 0.0% | 0.0% | 0.2% | 0.1% |
| | | A27C6 | 0.2% | 0.0% | 0.0% | 0.1% |
| | | Total | 100.0% | 100.0% | 100.0% | 100.0% |

| | | Aver | Table B age Daily Flig | | | |
|------------|--------|------------|---------------------------|-------------|-----------|-----------|
| Operation | Runway | Track | | Time of Day | | Equivalen |
| Туре | Runway | Identifier | Daytime | Evening | Nighttime | Daily Ops |
| Departures | 09 | D09A0 | 10.9% | 0.0% | 0.3% | 3.3% |
| | | D09A1 | 0.0% | 32.1% | 0.0% | 5.3% |
| | | D09A2 | 43.5% | 25.5% | 53.9% | 46.2% |
| | | D09A3 | 0.0% | 0.0% | 19.6% | 10.7% |
| | | D09A4 | 27.9% | 17.3% | 3.7% | 13.0% |
| | | D09B0 | 4.4% | 0.0% | 0.0% | 1.3% |
| | | D09B1 | 4.4% | 0.0% | 1.4% | 2.1% |
| | | D09B2 | 0.0% | 0.0% | 19.6% | 10.7% |
| | | D09B3 | 0.0% | 0.0% | 1.4% | 0.8% |
| | | D09B4 | 8.9% | 0.0% | 0.0% | 2.6% |
| | | D09B5 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D09B6 | 0.0% | 25.1% | 0.0% | 4.1% |
| | | Total | 100.0% | 100.0% | 100.0% | 100.0% |
| | 27 | D27A0 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27A1 | 0.0% | 0.1% | 0.0% | 0.0% |
| | | D27A2 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27A3 | 0.0% | 0.1% | 0.0% | 0.0% |
| | | D27A4 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27A5 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27A6 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27B0 | 16.6% | 20.7% | 12.2% | 15.1% |
| | | D27B1 | 15.8% | 23.3% | 24.4% | 21.4% |
| | | D27B2 | 5.2% | 2.4% | 0.3% | 2.3% |
| | | D27B3 | 4.5% | 15.9% | 18.0% | 13.2% |
| | | D27B4 | 0.6% | 0.4% | 0.0% | 0.3% |
| | | D27B5 | 0.4% | 1.4% | 1.0% | 0.9% |
| | | D27B6 | 0.3% | 0.0% | 0.0% | 0.1% |
| | | D27C0 | 18.7% | 7.8% | 17.7% | 16.3% |
| | | D27C1 | 5.8% | 8.0% | 5.3% | 6.0% |
| | | D27C2 | 24.8% | 15.0% | 16.4% | 18.9% |
| | | D27C3 | 1.0% | 2.7% | 1.3% | 1.4% |
| | | D27C4 | 5.9% | 1.5% | 3.2% | 3.8% |
| | | D27C5 | 0.1% | 0.6% | 0.0% | 0.2% |
| | | D27C6 | 0.1% | 0.0% | 0.2% | 0.1% |
| | | D27C7 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27C8 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D0 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D1 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D2 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D3 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D4 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D5 | 0.0% | 0.0% | 0.0% | 0.0% |
| | | D27D6 | 0.1% | 0.0% | 0.0% | 0.0% |
| | | Total | 100.0% | 100.0% | 100.0% | 100.0% |

Notes: EDO: Equivalent Daily Operations
Small differences exist between alternatives

Source: HNTB analysis of 15-day sample of radar data from October 2003.

Flight track use (including dispersion about the primary and sub tracks) was developed in reference to the modeled flight tracks and the aircraft operations within the 15-day sample of radar data from October 11 to 25, 2003. Similar to runway use data, the flight track use data was categorized by reference to arrival/departure, time of day, and aircraft group.

B.3.5 Ground Noise

In order to assess the effects of noise produced during ground movements (e.g., aircraft taxiing, engine start, pulling up to a gate/RON, etc.), a sensitivity analysis was conducted to assess single event noise levels and the potential effect on cumulative noise exposure levels in the vicinity of SDIA.

The noise from aircraft that are taking off and landing is substantially louder than that produced during ground movements and so the noise from aircraft ground movements is not typically included in noise modeling as it would not appreciably change the CNEL contours. In addition, INM does not account for the substantial shielding effects due to buildings and other objects on the ground. This is an important limitation.

The ground noise from two aircraft types, the B737-300 (i.e., INM type 7373B2) and MD83, which represent the most numerous and largest contributor to cumulative noise exposure, respectively, in 2010 were analyzed to estimate SEL and the potential for ground noise to change the CNEL contours. The aircraft were modeled with daytime operations at a sample of RON and gate positions that are part of the Proposed Project (Preferred Alternative). As these locations are farther to the west than current ground movements at SDIA, the analysis of noise from these positions provides for a conservative evaluation. In addition, the aircraft were modeled at a high idle/breakaway thrust setting for a period of 20 minutes per sampled operation. This provides for a conservative estimate of engine start and movement in/out of a gate, as aircraft in the gate area would often be operating at lower thrust settings.

The resulting noise at locations along Harbor Island and the Navy Channel were calculated. SELs varied from a low of about 70 dB to a high of 114 dB, with a median value of 90 dB. Note that the value of 114 SEL is not realistic, given the typical attenuation and blocking provided by buildings and vegetation. Also, INM does not account of the effect of water on sound propagation, which is a noteworthy limitation for consideration of ground noise at SDIA. SEL diminishes substantially with distance from the fixed noise source, and the analysis indicates that a substantial number of operations would be needed to appreciably increase CNEL levels.

B.3.6 Results and Limitations

The noise model provides a reasonable estimate of existing and future noise exposure due to aircraft operations at SDIA. Due to the predominant west flow runway use with arrivals to and departures from Runway 27, the CNEL contours to the east of SDIA are relatively narrow and thus reflect the concentration of arrival aircraft on the approach

path. Conversely, the wider CNEL contours to the west of SDIA reflect the dispersion of departure tracks that occurs as aircraft are routed in different directions.

Note that variances in factors such as the fleet mix and time of day of operations will likely affect actual future noise exposure levels. Additionally, there are limitations and constraints with INM that are important to consider. Due to terrain, the approaches into SDIA are flown at steeper angles than the standard 3.0-degree approach that is used at most airports. The standard profiles used in INM are modeled at a 3.0-degree approach angle. As a result, aircraft in the SDIA noise model are at a slightly lower altitude and higher thrust setting than actual operations; calculated noise exposure is increased slightly as a result. Additionally, noise monitoring efforts by SDIA staff have previously indicated measured data differs from INM's calculations of lateral attenuation due to takeoff noise in the vicinity of the Runway 27 approach end. Depending on the location, INM can overstate or understate noise exposure levels. This is due to the terrain (including buildings) in the vicinity of SDIA, and the prevalence of both hard and soft ground coverage. INM assumes that surfaces are soft and absorb some sound energy; however, in reality the hard surfaces (such as water, streets, etc.) in the vicinity of SDIA tend to reflect and increase noise exposure.

B.4 AIRCRAFT NOISE ANALYSIS FIGURES

B.4.1 Noise Analysis Figures

This section provides the potential supplemental noise figures associated with the Proposed Project (Preferred Alternative) and its alternatives for the years 2020 and 2025. Baseline Condition 2005 results, as well as the comparison for the years of analysis of 2010, 2015, and 2030 and their corresponding figures, can be found in Chapter Five, section 5.1.5, *Impact Analysis*.

<u>Proposed Project - With or Without Parking Structure</u>

Figures B-12 and B-13 provide a comparison of the Proposed Project (Preferred Alternative) and No Project Alternative for the 2020 and 2025 years of analysis. Baseline Conditions 2005 CNEL contours are also shown for comparison. **Figures B-14 and B-15** show Time Above 65 dB (TA65) contours for the Proposed Project (Preferred Alternative) in 2020 and 2025, respectively.

As would be expected, the differences between the contours for the Proposed Project (Preferred Alternative) versus the No Project Alternative are small, as both alternatives have a similar number of operations and a similar flight schedule for a given year of analysis. The primary differences in the noise contours for the same year of analysis are due to small variations in the time of day (i.e., daytime, evening, and nighttime periods in CNEL) of aircraft operations that result from delay levels estimated with the SIMMOD analysis. As discussed in Appendix C, SIMMOD is a <u>SIM</u>ulation <u>MOD</u>el that simulates the movement of each aircraft operation on the airfield and in the airspace, in order to calculate aggregate delay and travel time.

<u>Sleep Disturbance</u>: These contours show areas that are affected by an approximate number of aircraft overflights that produce noise levels at or above a specific SEL threshold. The contours are referenced as NA80 and NA90 (i.e., NA is <u>Number Above</u> a specified SEL), representing the number of aircraft events above 80 SEL and 90 SEL, respectively. As discussed in Appendix B, SEL normalizes the sound energy from an aircraft flight to a duration of one second. Therefore, SEL has a larger magnitude than the maximum A-weighted level for an event that lasts longer than one second. In fact, for most aircraft overflights, the SEL is on the order of 7 to 12 dB higher than the maximum sound level.

Figure 5.1-18 in Chapter Five, shows that most areas within the 60 CNEL contour of the Baseline Conditions 2005 (see Section 5.1.4, *Environmental Setting*, and Figure 5.1-1) experience, on an average day, from between 10 to 30 nighttime aircraft events with SELs greater than 80 dB (i.e., NA80). **Figure B-16** shows the NA80 comparison between the Proposed Project (Preferred Alternative) 2020 and the Baseline 2005, while **Figure B-17** shows the comparison between the Proposed Project (Preferred Alternative) 2020 and the NA80 comparison between the Proposed Project (Preferred Alternative) 2025 and the Baseline 2005, while **Figure B-19** shows the comparison between the Proposed Project (Preferred Alternative) 2025 and the No Project 2025 for NA80.

Figure B-20 shows the NA90 comparison between the Proposed Project (Preferred Alternative) 2020 and the Baseline 2005, while **Figure B-21** shows the comparison between the Proposed Project (Preferred Alternative) 2020 and the No Project 2020 for NA90. **Figure B-22** shows the NA90 comparison between the Proposed Project (Preferred Alternative) 2025 and the Baseline 2005, while **Figure B-23** shows the comparison between the Proposed Project (Preferred Alternative) 2025 and the No Project 2025 for NA90.

East Terminal Alternative - With or Without Parking Structure

Figures B-24 and B-25 provide a comparison of the East Terminal Alternative and No Project Alternative for the 2020 and 2025 years of analysis. Baseline Conditions 2005 CNEL contours are also shown for comparison.

TA65 contours for the East Terminal Alternative, years 2020 and 2025, respectively, are shown in Figures B-26 and B-27. As would be expected, the differences between the contours for the East Terminal Alternative versus the No Project Alternative are small, as both alternatives have a similar number of operations and a similar flight schedule for a given year of analysis. The primary differences in the noise contours for the same year of analysis are due to small variations in the time of day (i.e., daytime, evening, and nighttime periods in CNEL) of aircraft operations that result from delay levels estimated with the SIMMOD analysis. Appendix C provides the description of the SIMMOD analysis and results.

<u>Sleep Disturbance</u>: These contours show areas that are affected by an approximate number of aircraft overflights that produce noise levels at or above a specific SEL threshold. The contours are referenced as NA80 and NA90 (i.e., NA is <u>Number Above</u> a specified SEL), representing the number of aircraft events above 80 SEL and 90 SEL,

respectively. As discussed in Appendix B, SEL normalizes the sound energy from an aircraft flight to a duration of one second. Therefore, SEL has a larger magnitude than the maximum A-weighted level for an event that lasts longer than one second. In fact, for most aircraft overflights, the SEL is on the order of 7 to 12 dB higher than the maximum sound level.

Figure 5.1-18 in Chapter Five, shows that most areas within the 60 CNEL contour of the Baseline Conditions 2005 (see Section 5.1.1.4, *Environmental Setting*, and Figure 5.1-1) experience, on an average day, from between 10 to 30 nighttime aircraft events with SELs greater than 80 dB (i.e., NA80). **Figure B-28** shows the NA80 comparison between the East Terminal Alternative 2020 and the Baseline 2005, while **Figure B-29** shows the comparison between the East Terminal Alternative 2020 and the No Project 2020 for NA80. **Figure B-30** shows the NA80 comparison between the East Terminal Alternative 2025 and the Baseline 2005, while **Figure B-31** shows the comparison between the East Terminal Alternative 2025 for NA80.

Figure B-32 shows the NA90 comparison between the East Terminal Alternative 2020 and the Baseline 2005, while **Figure B-33** shows the comparison between the East Terminal Alternative 2020 and the No Project 2020 for NA90. **Figure B-34** shows the NA90 comparison between the East Terminal Alternative 2025 and the Baseline 2005, while **Figure B-35** shows the comparison between the East Terminal Alternative 2025 and the No Project 2025 for NA90.

No Project Alternative

Figures B-36 and B-37 show the TA65 contours for the No Project Alternative.

<u>Sleep Disturbance:</u> These contours show areas that are affected by an approximate number of aircraft overflights that produce noise levels at or above a specific SEL threshold. The contours are referenced as NA80 and NA90 (i.e., NA is <u>Number Above</u> a specified SEL), representing the number of aircraft events above 80 SEL and 90 SEL, respectively. As discussed in Appendix B, SEL normalizes the sound energy from an aircraft flight to a duration of one second. Therefore, SEL has a larger magnitude than the maximum A-weighted level for an event that lasts longer than one second. In fact, for most aircraft overflights, the SEL is on the order of 7 to 12 dB higher than the maximum sound level.

Figure 5.1-18 in Chapter Five, shows that most areas within the 60 CNEL contour of the Baseline Conditions 2005 (see Section 5.1.1.4, *Environmental Setting*, and Figure 5.1-1) experience, on an average day, from between 10 to 30 nighttime aircraft events with SELs greater than 80 dB (i.e., NA80). **Figures B-38 and B-39** show contours for the number of aircraft operations above 80 and 90 SEL, respectively, for the No Project Alternative in the year 2020. **Figures B-40 and B-41** show the contours for the number of aircraft operations above 80 and 90 SEL, respectively, for the No Project Alternative in the year 2025.

B.4.2 Population Analysis Tables

Tables B-8 through B-10 provide a comparison of the population and housing units within the CNEL contours for 2020 and 2025.

<u>Table B-8</u>

<u>Population and Housing Units within the Proposed Project (Preferred Alternative) CNEL Contours</u>

| Decibel | | oposed Preferred | | | | |
|--------------|-------------------|---------------------|-------------------|----------------|-------------------|----------------|
| <u>Level</u> | Alternati | ve) CNEL | 2020 No Pi | roject CNEL | Baseline 2 | 2005 CNEL |
| | | Housing | | Housing | | Housing |
| | Population | Units | <u>Population</u> | Units | <u>Population</u> | Units |
| 60dB | 38945 | 16781 | 42586 | 17663 | 34,729 | 15,395 |
| 65dB | 29389 | 11924 | 32862 | 14296 | 28,577 | 11,837 |
| 70dB | 4072 | 1937 | 6297 | 2238 | 5,112 | 2,285 |
| 75dB | <u>260</u> | <u>168</u> | 682 | 446 | 91 | <u>55</u> |
| | 2025 Pr | oposed | | | | _ |
| | Project (| <u>Preferred</u> | | | | |
| | Alternati | ve) CNEL | 2025 No Pi | roject CNEL | Baseline 2 | 2005 CNEL |
| | | <u>Housing</u> | | <u>Housing</u> | | <u>Housing</u> |
| _ | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> |
| 60dB | <u>45501</u> | <u> 19019</u> | <u>45560</u> | <u> 19057</u> | 34,729 | <u> 15,395</u> |
| <u>65dB</u> | <u>33178</u> | <u>14093</u> | <u>32874</u> | <u>13894</u> | <u>28,577</u> | <u>11,837</u> |
| <u>70dB</u> | <u>6008</u> | <u>2014</u> | <u>5795</u> | <u>1960</u> | <u>5,112</u> | <u>2,285</u> |
| 75dB | 807 | 526 | 794 | 517 | 91 | 55 |

Source: HNTB analysis using SANDAG GIS land use coverage and 2000 Census Block Demographics. This information does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

Table B-9
Population and Housing Units within the East Terminal Alternative CNEL
Contours

| | | | <u>oontour</u> | <u> </u> | | |
|----------------|-------------------|-----------------|-------------------|----------------|-------------------|----------------|
| <u>Decibel</u> | 2020 East | <u>Terminal</u> | | | | |
| Level | CN | <u>IEL</u> | 2020 No Pr | oject CNEL | Baseline 2 | 2005 CNEL |
| | | <u>Housing</u> | | <u>Housing</u> | | <u>Housing</u> |
| | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> |
| <u>60dB</u> | <u>42571</u> | <u>17651</u> | <u>42586</u> | <u>17663</u> | 34,729 | <u> 15,395</u> |
| 65dB | 32866 | 14289 | 32862 | 14296 | 28,577 | 11,837 |
| 70dB | 6297 | <u>2241</u> | <u>6297</u> | 2238 | <u>5,112</u> | 2,285 |
| 75dB | <u>682</u> | 446 | <u>682</u> | 446 | <u>91</u> | <u>55</u> |
| | 2025 East | <u>Terminal</u> | | | | _ |
| | CN | <u>IEL</u> | 2025 No Pr | oject CNEL | Baseline 2 | 2005 CNEL |
| | | <u>Housing</u> | | <u>Housing</u> | | <u>Housing</u> |
| _ | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> |
| 60dB | <u>45388</u> | <u> 18958</u> | <u>45560</u> | <u>19057</u> | 34,729 | <u> 15,395</u> |
| 65dB | <u>33184</u> | <u>14109</u> | 32874 | 13894 | 28,577 | 11,837 |
| 70dB | <u>6054</u> | 2027 | <u>5795</u> | <u>1960</u> | <u>5,112</u> | 2,285 |
| 75dB | 805 | <u>525</u> | <u>794</u> | <u>517</u> | <u>91</u> | <u>55</u> |

Source: HNTB analysis using SANDAG GIS land use coverage and 2000 Census Block Demographics. This information does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

<u>Table B-10</u>

Population and Housing Units within the No Project Alternative CNEL

Contours

| | | Contour | <u> </u> | |
|-------------|-------------------|----------------|-------------------|----------------|
| | 2020 No Pro | ject CNEL | Baseline 200 | 5 CNEL |
| | | <u>Housing</u> | | <u>Housing</u> |
| | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> |
| 60dB | <u>42586</u> | <u>17663</u> | <u>34,729</u> | <u> 15,395</u> |
| 65dB | <u>32862</u> | <u>14296</u> | <u>28,577</u> | 11,837 |
| <u>70dB</u> | <u>6297</u> | 2238 | <u>5,112</u> | <u>2,285</u> |
| 75dB | <u>682</u> | <u>446</u> | <u>91</u> | <u>55</u> |
| | 2025 No Pro | ject CNEL | Baseline 200 | 5 CNEL |
| | | <u>Housing</u> | | <u>Housing</u> |
| | <u>Population</u> | <u>Units</u> | <u>Population</u> | <u>Units</u> |
| <u>60dB</u> | <u>45560</u> | <u>19057</u> | <u>34,729</u> | <u> 15,395</u> |
| <u>65dB</u> | <u>32874</u> | <u>13894</u> | <u>28,577</u> | <u>11,837</u> |
| <u>70dB</u> | <u>5795</u> | <u>1960</u> | <u>5,112</u> | <u>2,285</u> |
| <u>75dB</u> | <u>794</u> | <u>517</u> | <u>91</u> | <u>55</u> |

Source: HNTB analysis using SANDAG GIS land use coverage and 2000 Census Block Demographics. This information does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

B.5 AIRCRAFT NOISE ANALYSIS SUMMARY TABLES

This section includes **Tables B-811 through B-103**, as referenced and discussed in Section 5.1.2.4 of Chapter Five. The tables show the supplemental change analysis for schools, using time above exterior noise levels. Baseline conditions for the schools are shown in Table 5-1.6 of Chapter Five.

Table B-8 B-11 Time Above Exterior Noise Levels for Schools with Proposed Project (Preferred Alternative)

Time Above Exterior Noise Level (minutes) Noise Level Proposed Change Change Proposed Change Change Proposed Change Proposed Change Change Proposed Change Change Change (dB) Project (Pref. versus No versus Project (Pref. versus No versus Project (Pref versus No Project (Pref. versus No Project (Pref. versus No versus versus versus Alt.) 2010 Project 2010 Baseline 2005 Alt.) 2015 Project 2015 Baseline 2005 Alt.) 2020 Project 2020 Baseline 2005 Alt.) 2025 Project 2025 Baseline 2005 Alt.) 2030 Project 2030 Baseline 2005 0.2 Baker 0.2 0.3 0.1 0.3 0.1 0.1 0.3 0.1 0.1 Elementary 51.9 Balboa -1.4 4.6 63.8 16.5 71.3 0.1 22.1 77.6 1.8 28.4 82.6 5.7 33.4 City 24.5 -0.7 2.3 30.2 33.5 10.5 36.8 8.0 13.8 39.3 2.4 16.3 13.3 -0.3 4.4 1.2 16.5 17.6 5.6 19.8 0.2 7.8 21.6 8.0 9.6 4.2 -0.10.1 5.2 1.1 6.5 -0.11.8 7.6 0.3 2.9 8.1 0.2 3.4 0.2 0.2 0.3 0.1 0.3 0.1 0.3 0.1 Balboa Elementary YR Barnard 50.9 0.2 6.2 58.9 -0.5 14.2 21.4 75.1 2.3 25.5 77.9 6.3 28.3 Elementary 3.6 0.2 4.1 -0.1 0.7 4.5 4.8 1.3 4.8 0.4 1.3 0.7 0.7 0.1 -0.1 0.1 0.1 0.6 0.1 0.5 0.6 0.1 0.1 Brooklyn 58.8 -1.6 6.7 74.1 0.1 84.9 29.2 2.1 38.3 100.9 6.4 45.2 Elementary 12.1 -0.3 0.1 15.1 3.1 -0.15.4 19.6 0.6 21.2 0.4 9.6 0.4 -0.1 0.6 0.1 0.2 0.9 -0.2 0.2 0.3 0.9 Burbank Elementary Cabrillo -0.3 0.2 -0.10.2 -0.1 0.2 -0.1-0.3

Elementary

| | | | | | | | | Time Above F | Exterior Noise I | Level (minutes) | | | | | | |
|-----------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chancellor William | 65 | 3.1 | 0 | -0.3 | 3.9 | 0.1 | 0.5 | 15.4 | -0.1 | 6.9 | 18.6 | 0.7 | 10.1 | 20.7 | 0.2 | 12.2 |
| McGill School of | 75 | 0.1 | -0.1 | 0 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 |
| Success | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ļ. | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61. 1 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter School of | 65 | 1.7 | -0.1 | -1.3 | 2.5 | 0 | -0.5 | 7 | 0 | 0.6 | 6.8 | 0.2 | 0.4 | 6.1 | 0.2 | -0.3 |
| San Diego | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 90 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chavez | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (Cesar) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chollas/ | 65 | 41.7 | -1.1 | 3.7 | 53.7 | 0 | 15.7 | 61.3 | 0 | 21.1 | 69.2 | 1.3 | 29 | 74.8 | 4 | 34.6 |
| Mead | 75 | 0.5 | 0 | -0.2 | 0.8 | 0.1 | 0.1 | 1 | 0 | 0.3 | 0.9 | 0 | 0.2 | 0.9 | -0.2 | 0.2 |
| Elementary | 80 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ŀ | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| City Tree | 65 | 44.5 | -1.3 | 5.1 | 55.5 | 0 | 16.1 | 62.7 | 0 | 20.7 | 69.4 | 1.5 | 27.4 | 74.5 | 4.2 | 32.5 |
| Christian | 75 | 3.1 | 0 | -0.3 | 3.8 | 0.1 | 0.4 | 8.1 | 0 | 3.6 | 9.9 | 0.4 | 5.4 | 11.1 | 0.2 | 6.6 |
| 3111000011 | 80 | 0.3 | 0 | 0.1 | 0.3 | 0 | 0.1 | 0.4 | 0 | 0.2 | 0.4 | 0.4 | 0.2 | 0.4 | 0.2 | 0.0 |
| ŀ | 85 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| j | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ļ | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Correia | 65 | 75.9 | 0.5 | 12.7 | 86.5 | -0.8 | 23.3 | 96.7 | 0 | 31.9 | 102.5 | 2.5 | 37.7 | 108.2 | 8.3 | 43.4 |
| Middle | 75 | 14.5 | 0.1 | 1.9 | 16.9 | -0.2 | 4.3 | 21.9 | 0 | 5.8 | 23.2 | 0.3 | 7.1 | 24.2 | 1.6 | 8.1 |
| | 80 | 3.9 | 0 | 0.1 | 4.4 | -0.1 | 0.6 | 4.6 | 0 | 1.2 | 4.2 | 0 | 0.8 | 3.7 | 0.3 | 0.3 |

| | | | | | | | | Time Above I | Exterior Noise I | Level (minutes) | | | | | | |
|--------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 85 | 0.6 | 0 | -0.1 | 0.7 | 0 | 0 | 0.6 | 0 | 0.1 | 0.4 | 0 | -0.1 | 0.2 | 0 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cortez Hill | 65 | 1.4 | -0.2 | -0.5 | 2 | 0 | 0.1 | 1.8 | 0 | 0.6 | 1.9 | 0.1 | 0.7 | 2 | 0.1 | 0.8 |
| Academy | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| ļ | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Creative, Performing, | 65 | 1 | -0.2 | -0.6 | 1.6 | 0 | 0 | 5.1 | 0 | 1 | 4.8 | 0.1 | 0.7 | 3.9 | 0.1 | -0.2 |
| and Media Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dana | 65 | 24.9 | 0.2 | 0.3 | 28.7 | -0.3 | 4.1 | 37.4 | 0 | 9.5 | 40.3 | 0.7 | 12.4 | 42.3 | 2.6 | 14.4 |
| Middle | 75 | 0.4 | 0 | -0.3 | 0.6 | 0 | -0.1 | 0.3 | 0 | -0.1 | 0.3 | 0 | -0.1 | 0.2 | 0 | -0.2 |
| ļ | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ļ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dewey | 65 75 | 68.1 5.4 | 0.3 | 7.1 -0.2 | 77.4 6.1 | -0.7 -0.1 | 16.4 | 95.7 | 0 | 26.5 | 103.2 | 1.7 | 34 | 108.6 | 7.9 | 39.4 |
| Elementary | 80 | 0.3 | -0.1 | -0.2 -0.1 | 0.4 | -0.1 -0.1 | 0.5 | 7.3 0.7 | 0 | 1.3 0.1 | 7.1 0.5 | 0 | 1.1 | 6.1 0.3 | 0.3 | 0.1 -0.3 |
| ŀ | 85 | 0.3 | -0.1 | -0.1 | 0.4 | -0.1 | 0 | 0.7 | 0 | 0.1 | 0.5 | 0 | -0.1 0 | 0.3 | 0 | -0.3 |
| • | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| El Toyon | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| · · · · | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emerson/ | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bandini | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above E | Exterior Noise I | Level (minutes) | | | | | | |
|----------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emmanuel | 65 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0.3 | 0 | 0 |
| Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Garfield | 65 | 27.9 | -0.7 | 2.1 | 34.9 | 0.1 | 9.1 | 43.7 | -0.1 | 14.4 | 50 | 1.1 | 20.7 | 54.7 | 1.4 | 25.4 |
| High | 75 | 0.4 | 0 | 0 | 0.5 | 0 | 0.1 | 0.6 | 0 | 0.2 | 0.6 | 0 | 0.2 | 0.7 | 0.1 | 0.3 |
| | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gompers | 95 65 | 2.1 | 0 | -0.3 | 3.4 | 0 | 1 | 0 3.9 | 0 | 0 1.5 | 0 | 0 0.1 | 0 2.2 | <u>0</u> 5 | 0.1 | 0 2.6 |
| Secondary | 75 | 0 | 0 | -0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 0 | 0.1 | 0 | 0 | 0.1 | 0 |
| Secondary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harborside | 65 | 7.5 | -0.3 | -1.1 | 9.6 | -0.2 | 1 | 5.3 | 0 | 1.7 | 6.1 | 0.1 | 2.5 | 6.5 | 0.5 | 2.9 |
| | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 77 | 0.4 | 10.7 | 87.3 | -0.9 | 21 | 101.2 | 0.1 | 30.8 | 109.6 | 1.4 | 39.2 | 117 | 8.4 | 46.6 |
| High | 75 | 15.6 | 0 | 1.2 | 18 | -0.2 | 3.6 | 18.7 | 0 | 5.3 | 20 | 0.1 | 6.6 | 20.6 | 1.2 | 7.2 |
| | 80 | 2.7 | -0.1 | -0.4 | 3.2 | -0.1 | 0.1 | 3.1 | 0 | 0.6 | 2.9 | 0 | 0.4 | 2.5 | 0.2 | 0 |
| | 85 | 0.1 | 0 | -0.2 | 0.2 | 0 | -0.1 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.1 | 0 | -0.1 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 62.8 | 0.3 | 7.1 | 71.3 | -0.7 | 15.6 | 85.6 | 0 | 24.8 | 93.1 | 0.8 | 32.3 | 99.4 | 6.7 | 38.6 |
| Inter-national | 75 | 6 | 0 | -0.3 | 6.8 | -0.1 | 0.5 | 7.2 | 0.1 | 2.1 | 7.5 | 0.1 | 2.4 | 7.1 | 0.4 | 2 |
| | 80 | 0.6 | -0.1 | -0.4 | 0.9 | 0 | -0.1 | 0.7 | 0 | 0 | 0.6 | 0 | -0.1 | 0.4 | 0 | -0.3 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 80.5 | 0.5 | 11.8 | 91.2 | -0.9 | 22.5 | 105 | 0 | 32.3 | 113.6 | 1.5 | 40.9 | 121.2 | 8.8 | 48.5 |
| Middle | 75 | 18.7 | 0.1 | 2 | 21.3 | -0.2 | 4.6 | 23 | 0 | 6.7 | 24.7 | 0.1 | 8.4 | 25.9 | 1.7 | 9.6 |
| | 80 | 3.4 | -0.1 | -0.4 | 4.1 | -0.1 | 0.3 | 4.3 | 0 | 1.2 | 4.2 | 0 | 1.1 | 3.9 | 0.3 | 0.8 |

| | | | | | | | | Time Above I | Exterior Noise I | Level (minutes) | | | | | | |
|----------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 85 | 0.3 | 0 | -0.3 | 0.5 | 0 | -0.1 | 0.4 | 0 | 0 | 0.4 | 0 | 0 | 0.2 | 0 | -0.2 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Holly Drive | 65 | 16.4 | -0.4 | -0.5 | 21.5 | 0.2 | 4.6 | 25 | 0 | 8.4 | 30.2 | 0.9 | 13.6 | 32.7 | 1.2 | 16.1 |
| Leadership | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horton | 65 | 22.1 | -0.6 | 1.2 | 29.1 | 0.1 | 8.2 | 31.6 | -0.2 | 11.4 | 38.1 | 0.6 | 17.9 | 41.5 | 1.5 | 21.3 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intogrity | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrity Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onarto | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnson | 65 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0.4 | 0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.5 | 0.1 | 0.2 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kennedy | 65 | 0.7 | 0 | 0 | 1.1 | 0 | 0.4 | 1.3 | 0 | 0.5 | 1.3 | 0.1 | 0.5 | 1.4 | -0.1 | 0.6 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <u> </u> | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kimbrough | 65 | 0.8 | 0 | 0.1 | 0.9 | 0.1 | 0.2 | 1.2 | 0 | 0.4 | 1.2 | 0 | 0.4 | 1.3 | 0 | 0.5 |
| (Jack) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above F | xterior Noise I | Level (minutes) | | | | | | |
|------------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| King (Martin Luther, Jr.) | 65 | 1.3 | 0 | 0 | 1.7 | 0.1 | 0.4 | 2.6 | 0.1 | 0.9 | 2.5 | 0.1 | 0.8 | 2.7 | -0.1 | 1 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kin a/ | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| King/ Chavez | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 0 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| Charter | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grianton | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KIPP | 65 | 17 | -0.4 | 0.3 | 21.3 | 0.1 | 4.6 | 30 | -0.1 | 9.3 | 34.7 | 1.2 | 14 | 37.4 | 0.9 | 16.7 |
| Adelante | 75 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 | 0.5 | 0 | 0.1 | 0.5 | 0 | 0.1 | 0.6 | 0.1 | 0.2 |
| Preparatory | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| Academy | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Knox | 95 65 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.2 | 0 | 0 | 0 0.2 | 0 | 0 | 0 0.2 | 0 | 0 |
| Elementary | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 |
| Licincitary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Logan | 65 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Loma Portal | 65 | 84.4 | 0.5 | 14.7 | 95.7 | -0.9 | 26 | 106 | 0 | 33.9 | 113 | 1.8 | 40.9 | 119.8 | 8.8 | 47.7 |
| Elementary | 75 | 28.3 | 0.3 | 3.9 | 32.2 | -0.3 | 7.8 | 35.8 | 0 | 10.5 | 38.7 | 0.2 | 13.4 | 41.3 | 2.6 | 16 |
| [| 80 | 10.5 | 0 | 1.7 | 12.4 | -0.1 | 3.6 | 15.3 | 0 | 4.7 | 16.4 | 0.1 | 5.8 | 17.2 | 1.1 | 6.6 |
| | 85 | 2.8 | 0 | 0.1 | 3.3 | 0 | 0.6 | 3.2 | 0 | 0.9 | 3 | 0 | 0.7 | 2.7 | 0.1 | 0.4 |
| | 90 | 0.5 | 0 | -0.1 | 0.6 | 0 | 0 | 0.6 | 0 | 0.1 | 0.5 | 0 | 0 | 0.3 | 0 | -0.2 |
| | 95 | 0 | 0 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | -0.1 |
| Memorial | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy of I earning & | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above I | Exterior Noise I | Level (minutes) | | | | | | |
|--------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| Technology | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| recimology | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Metro Region | 65 | 2.1 | -0.3 | -0.9 | 3.1 | 0 | 0.1 | 3.4 | 0.1 | 1.3 | 3.6 | 0.2 | 1.5 | 3.8 | 0.1 | 1.7 |
| Community | 75 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 |
| Day Schools | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NA l- | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monarch Elementary | 65 75 | 34.3 | 0 | -1.5 0 | 40.4 0.4 | -0.4 0.1 | 4.6 0.1 | 17 | 0 | 4.1 | 18.7 | 0.4 | 5.8 | 19.8 | 0.5 | 6.9 |
| Community | 80 | 0.3 | -0.1 | -0.1 | 0.4 | 0.1 | 0.1 | 0.4 0.1 | 0 | 0.1 0 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 -0.1 |
| Day | 85 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 0 | 0 | 0 | 0 | 0 | -0.1 |
| • | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montessori | 65 | 76.6 | 0.3 | 2.9 | 88.1 | -0.8 | 14.4 | 95.2 | 0.1 | 23.2 | 101.8 | 0.2 | 29.8 | 106.8 | 2.7 | 34.8 |
| School of | 75 | 0.7 | -0.2 | -0.9 | 1.3 | -0.1 | -0.3 | 2.3 | 0.1 | 0.6 | 2.2 | 0.2 | 0.5 | 2.1 | 0 | 0.4 |
| San Diego | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mt. Erie | 65 | 0.4 | 0 | 0 | 0.6 | 0.1 | 0.2 | 0.9 | 0 | 0.4 | 0.9 | 0.1 | 0.4 | 0.9 | 0 | 0.4 |
| Christian | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Museum | 65 | 7 | -0.1 | -0.8 | 8.7 | -0.1 | 0.9 | 8.1 | 0 | 2.7 | 9.3 | 0.2 | 3.9 | 9.9 | 0.2 | 4.5 |
| | 75 | 0.3 | 0 | 0 | 0.4 | 0.1 | 0.1 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 |
| | 80 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | -0.1 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nation D | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nativity Prep Academy | 65 75 | 20.5 | -0.5 | 0 | 25.9 | 0.1 | 5.4 | 28.9 | -0.1 | 9.2 | 33.7 | 1.1 | 14 | 36.4 | 0.8 | 16.7 |
| Academy | 75 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above F | Exterior Noise I | Level (minutes) | | | | | | |
|-------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| Horizons | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ocean | 65 | 54.1 | 0.4 | 5.8 | 61.8 | -0.5 | 13.5 | 69.9 | 0 | 19.3 | 74.5 | 1.1 | 23.9 | 79.4 | 4.3 | 28.8 |
| Beach | 75 | 6.5 | 0 | 0.3 | 7.7 | -0.1 | 1.5 | 10.2 | 0 | 2.3 | 10.1 | 0.1 | 2.2 | 9.7 | 0.3 | 1.8 |
| Elementary | 80 | 2.1 | 0 | -0.1 | 2.3 | 0 | 0.1 | 2.6 | 0 | 0.5 | 1.9 | 0 | -0.2 | 1.3 | 0 | -0.8 |
| | 85 | 0.3 | 0 | -0.1 | 0.4 | 0 | 0 | 0.5 | 0 | 0 | 0.3 | 0 | -0.2 | 0.2 | 0 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Our Lady's | 65 | 0.9 | 0 | 0.1 | 1 | 0 | 0.2 | 1.3 | 0.1 | 0.5 | 1.3 | 0.1 | 0.5 | 1.3 | 0 | 0.5 |
| School | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perkins | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nazarene | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| University | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 65 | 77 | 0.4 | 12.6 | 87.8 | -0.8 | 23.4 | 98.5 | 0 | 30.9 | 105.5 | 1.8 | 37.9 | 112.1 | 8.1 | 44.5 |
| Senior High | 75 | 21.6 | 0.4 | 2.7 | 24.7 | -0.3 | 5.8 | 28 | 0 | 7.9 | 29.9 | 0.2 | 9.8 | 31.7 | 1.8 | 11.6 |
| | 80 | 6.4 | 0 | 0.7 | 7.6 | -0.1 | 1.9 | 8.9 | 0 | 2.7 | 9.3 | 0.2 | 3.1 | 9.6 | 0.6 | 3.4 |
| | 85 | 1.7 | 0 | 0 | 1.7 | -0.1 | 0 | 1.7 | 0 | 0.3 | 1.3 | 0 | -0.1 | 1 | 0.0 | -0.4 |
| | 90 | 0 | 0 | -0.2 | 0.1 | 0 | -0.1 | 0.1 | 0 | -0.1 | 0.1 | 0 | -0.1 | 0 | 0 | -0.2 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Promise | 65 | 0.6 | -0.1 | 0 | 0.8 | 0.1 | 0.2 | 1.1 | 1.1 | 0.4 | 1.1 | 1.1 | 0.4 | 1.1 | 1.1 | 0.4 |
| Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | -1 | 0 | 0 | -1.1 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above F | Exterior Noise I | evel (minutes) | | | | | | |
|--------------------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| Roosevelt | 65 | 0 | -0.1 | -0.1 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 |
| Middle | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rowan | 65 | 0.8 | -0.1 | -0.1 | 1 | 0 | 0.1 | 1.3 | 1.3 | 0.3 | 1.4 | 1.4 | 0.4 | 1.5 | 1.5 | 0.5 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1.3 | 0 | 0.1 | -1.3 | 0.1 | 0.1 | -1.3 | 0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 111 (| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sacred Heart | 65 | 55.3 | 0.3 | 6.5 | 63.4 | -0.6 | 14.6 | 71.9 | 71.9 | 19.8 | 76.6 | 76.6 | 24.5 | 81.5 | 81.5 | 29.4 |
| Academy | 75 | 6.4 | -0.1 | 0.3 | 7.6 | -0.1 | 1.5 | 9.9 | -62 | 2.3 | 9.7 | -65.6 | 2.1 | 9.2 | -67.7 | 1.6 |
| | 80 | 2.2 0.1 | 0 | 0 | 2.3 0.1 | 0 | 0.1 -0.1 | 2.7 | -7.2 | 0.5 | 2 | -7.7 | -0.2 | 1.4 | -7.6 | -0.8 |
| - | 85 90 | 0.1 | 0 | -0.1 0 | 0.1 | 0 | -0.1 | 0.7 | -2 -0.7 | 0.1 0 | 0.5 | -1.5 -0.5 | -0.1 0 | 0.3 | -1.1 -0.3 | -0.3 0 |
| - | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.7 | 0 | 0 | -0.5 | 0 | 0 | -0.3 | 0 |
| San Diego | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| , 10000, | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego City College | 65 | 22.5 | -0.5 | 0.6 | 28.3 | 0.2 | 6.4 | 39.4 | 39.4 | 13.3 | 45.7 | 45.7 | 19.6 | 49.8 | 49.8 | 23.7 |
| | 75 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 | 0.5 | -39.1 | 0.1 | 0.5 | -44.1 | 0.1 | 0.5 | -47.9 | 0.1 |
| | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | -0.4 | 0 | 0.1 | -0.4 | 0 | 0.1 | -0.4 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| ľ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Continuing Education | 65 | 0.2 | 0 | 0 | 0.3 | 0.1 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.4 | 0 | 0 | -0.3 | 0 | 0 | -0.4 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | Time Above I | Exterior Noise I | Level (minutes) | | | | | | |
|-------------------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| San Diego Cooperative Charter | 65 | 1.4 | -0.2 | -1 | 2.3 | 0 | -0.1 | 1.9 | 1.9 | 0.7 | 2.1 | 2.1 | 0.9 | 2.3 | 2.3 | 1.1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1.9 | 0 | 0 | -2.1 | 0 | 0 | -2.2 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Senior High | 65 | 45 | -1.3 | 5.2 | 56.6 | 0.1 | 16.8 | 63.7 | 63.7 | 21.7 | 71.4 | 71.4 | 29.4 | 77.1 | 77.1 | 35.1 |
| | 75 | 1.5 | 0 | -0.2 | 1.9 | 0.1 | 0.2 | 4.3 | -59.4 | 1.7 | 5 | -65 | 2.4 | 5.4 | -67.4 | 2.8 |
| | 80 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | -4.1 | 0 | 0.2 | -4.6 | 0 | 0.3 | -5.2 | 0.1 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.2 | 0 | 0 | -0.2 | 0 | 0 | -0.2 | 0 |
| Ì | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sherman Elementary | 65 | 0.6 | 0 | 0 | 0.7 | 0 | 0.1 | 0.8 | 0.8 | 0.2 | 0.8 | 0.8 | 0.2 | 0.8 | 0.8 | 0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.8 | 0 | 0 | -0.8 | 0 | 0 | -0.8 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Silver Gate Elementary | 65 | 9.7 | 0 | -0.8 | 11.5 | -0.2 | 1 | 15.8 | 15.8 | 4 | 17 | 17 | 5.2 | 17.5 | 17.5 | 5.7 |
| | 75 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | -15.8 | -0.1 | 0 | -16.6 | -0.1 | 0 | -16.5 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Augustine High School | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Charles Borromeo Academy | 65 | 99.5 | 0.4 | 12.4 | 112 | -0.9 | 24.9 | 124.7 | 124.7 | 35.2 | 133 | 133 | 43.5 | 140.3 | 140.3 | 50.8 |

| | | | | | | | | Time Above E | exterior Noise I | Level (minutes) | | | | | | |
|-----------------------------------|---------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|--|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | Proposed Project (Pref. Alt.) 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2020 | Change versus No Project 2020 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | Proposed Project (Pref. Alt.) 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 75 | 29.4 | 0.1 | 3.6 | 33.7 | -0.3 | 7.9 | 35.8 | -88.8 | 10.6 | 38.7 | -92.2 | 13.5 | 40.2 | -89.9 | 15 |
| | 80 | 6.3 | -0.1 | 0 | 7.3 | -0.1 | 1 | 8.6 | -27.2 | 2 | 8.8 | -29.3 | 2.2 | 8.2 | -29.2 | 1.6 |
| | 85 | 0.8 | -0.1 | -0.2 | 1 | -0.1 | 0 | 1.4 | -7.2 | 0.1 | 1.1 | -7.6 | -0.2 | 0.7 | -7 | -0.6 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | -1.3 | 0 | 0 | -1.1 | -0.1 | 0 | -0.7 | -0.1 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Jude Academy | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Rita's | 65 | 28.5 | -0.7 | 2.1 | 36.9 | 0.1 | 10.5 | 43.4 | 43.4 | 15.5 | 50 | 50 | 22.1 | 54.5 | 54.5 | 26.6 |
| | 75 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | -43.3 | 0 | 0.1 | -49.5 | 0 | 0.1 | -52.4 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 () " | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sunset View Elementary | 65 | 0 | 0 | -0.2 | 0.1 | 0 | -0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.1 | -0.1 | 0 | 0 | -0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valencia Park Elementary | 65 | 24.6 | -0.6 | 1.4 | 31.8 | 0.1 | 8.6 | 38.1 | 38.1 | 13.3 | 43.8 | 43.8 | 19 | 47.5 | 47.5 | 22.7 |
| | 75 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | -38 | 0.1 | 0.1 | -43 | 0.1 | 0.1 | -45.8 | 0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warren- Walker School, Inc. | 65 | 8.5 | 0.1 | -0.3 | 10.1 | 0 | 1.3 | 13.3 | 13.3 | 3 | 13.6 | 13.6 | 3.3 | 13.8 | 13.8 | 3.5 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -13.3 | 0 | 0 | -13.3 | 0 | 0 | -13.2 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Time Above Exterior Noise Level (minutes) Noise Level Proposed Change Change Proposed Change Proposed Change Proposed Change Change Change Change Proposed Change Change Project (Pref. versus No versus Project (Pref. versus No versus Project (Pref. versus No versus Project (Pref. versus No Project (Pref. versus No versus versus Alt.) 2010 Project 2010 Baseline 2005 Alt.) 2015 Project 2015 Baseline 2005 Alt.) 2020 Project 2020 Baseline 2005 Alt.) 2025 Project 2025 Baseline 2005 Alt.) 2030 Project 2030 Baseline 2005 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 65 Washington 38.6 -1 3.6 48.4 0 13.4 53.1 53.1 16.9 60.1 60.1 23.9 65.4 65.4 29.2 Elementary 75 0.8 0 -0.1 1.1 0.2 -51.7 -57.8 0.5 0 1.4 0.4 1.4 0.4 1.5 -61.2 80 0.2 0 0.2 0.3 0.3 0.3 0.1 0 0 -1.1 0.1 0.1 -1.2 0 -1 85 -0.1 0.1 -0.3 0 0 0.1 0 0.1 -0.2 0.1 0 0 0 -0.3 0 90 0 0 0 0 0 0 0 -0.1 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Webster 65 0.4 0 0 0.5 0 0.1 0.6 0.6 0.2 0.6 0.6 0.2 0.7 0.7 0.3 Elementary 75 0 0 0 0 0 0 0 -0.6 0 0 -0.6 0 0 -0.6 0 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 85 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Source: HNTB analysis

Table B-9 B-12
Time Above Exterior Noise Levels for Schools with East Terminal

Time Above Exterior Noise Level (minutes) Noise Level East Change Change versus East Change Change East Change East Change Change East Change Change Change Baseline 2005 Terminal2020 (dB) **Terminal** versus No Terminal versus No versus versus No Terminal versus No versus Terminal versus No versus versus Baseline 2005 Project 2030 Baseline 2005 Project 2010 Project 2015 Project 2020 Baseline 2005 Project 2025 Baseline 2005 Baker 0.1 -0.1 -0.1 0.2 0.3 0.1 0.3 0.1 0.1 0.3 0.1 0.1 Elementary 53.7 63.8 16.5 Balboa 0.4 6.4 71.3 0.1 22.1 77.7 1.9 28.5 82.9 33.7 25.4 0.2 3.2 30.2 33.6 2.5 City 0.1 10.6 36.8 0.8 13.8 39.4 16.4 13.7 0.1 1.6 16.5 4.4 17.6 5.6 19.9 0.3 21.6 0.8 9.6 7.9 4.3 0.2 5.2 1.1 6.6 1.9 7.6 0.3 2.9 8.1 0.2 3.4 0.2 0.2 0.3 0.1 0.3 0.1 0.3 0.1 Balboa Elementary YR -0.7 5.3 58.9 -0.5 14.2 25.2 Barnard 21.4 74.8 77.4 5.8 27.8 Elementary 3.4 -0.2 4.1 -0.1 0.7 4.5 4.8 1.3 4.8 0.4 1.3 0.7 0.1 0.7 -0.1 0.1 0.6 0.1 0.6 0.1 0.5 0.1 0.1 Brooklyn 60.9 0.5 8.8 74.1 0.1 29.3 2.2 38.4 6.5 45.3 0.1 94.1 12.5 0.1 0.5 15.1 3.1 21.1 9.5 Elementary -0.1 19.7 0.7 8.1 0.3 5.4 0.4 -0.1 0.6 0.1 0.3 0.9 0.2 0.9 -0.2 0.2 Burbank Elementary

| | | | | | | | Tim | ne Ahove Fy | tarior Noisa | Level (minu | utos) | | | | | |
|-----------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|---------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cabrillo | 65 | 0 | 0 | -0.3 | 0.2 | 0 | -0.1 | 0.2 | 0 | -0.1 | 0.2 | 0 | -0.1 | 0 | 0 | -0.3 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chancellor William | 65 | 3.1 | 0 | -0.3 | 3.8 | 0 | 0.4 | 15.4 | -0.1 | 6.9 | 18.7 | 0.8 | 10.2 | 20.8 | 0.3 | 12.3 |
| McGill School of | 75 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0 | 0.1 |
| Success | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter School of | 65 | 1.6 | -0.2 | -1.4 | 2.4 | -0.1 | -0.6 | 7 | 0 | 0.6 | 6.7 | 0.1 | 0.3 | 5.7 | -0.2 | -0.7 |
| San Diego | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chavez | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (Cesar) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chollas/ | 65 75 | 43.2 | 0.4 | 5.2 | 53.7 | 0 | 15.7 | 61.4 | 0.1 | 21.2 | 69.3 | 1.4 | 29.1 | 74.9 | 4.1 | 34.7 |
| Mead Elementary | 75 80 | 0.5 | 0 | -0.2 0 | 0.7 | 0 | 0 | 0 | 0 | 0.3 | 0.9 | 0 | 0.2 | 0.9 | -0.2 0 | 0.2 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | Tim | ie Above Ex | terior Noise | Level (minu | ites) | | | | | |
|--------------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| City Tree | 65 | 46 | 0.2 | 6.6 | 55.4 | -0.1 | 16 | 62.8 | 0.1 | 20.8 | 69.5 | 1.6 | 27.5 | 74.7 | 4.4 | 32.7 |
| Christian | 75 | 3.1 | 0 | -0.3 | 3.7 | 0 | 0.3 | 8.1 | 0 | 3.6 | 9.9 | 0.4 | 5.4 | 11.1 | 0.2 | 6.6 |
| | 80 | 0.3 | 0 | 0.1 | 0.3 | 0 | 0.1 | 0.4 | 0 | 0.2 | 0.5 | 0.1 | 0.3 | 0.5 | 0.1 | 0.3 |
| | 85 | 0 | -0.1 | -0.1 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Correia | 65 | 74.7 | -0.7 | 11.5 | 86.6 | -0.7 | 23.4 | 96.8 | 0.1 | 32 | 102.3 | 2.3 | 37.5 | 107.6 | 7.7 | 42.8 |
| Middle | 75 | 14 | -0.4 | 1.4 | 16.9 | -0.2 | 4.3 | 21.9 | 0 | 5.8 | 23.1 | 0.2 | 7 | 23.9 | 1.3 | 7.8 |
| | 80 | 3.7 | -0.2 | -0.1 | 4.4 | -0.1 | 0.6 | 4.6 | 0 | 1.2 | 4.2 | 0 | 8.0 | 3.7 | 0.3 | 0.3 |
| | 85 | 0.6 | 0 | -0.1 | 0.7 | 0 | 0 | 0.6 | 0 | 0.1 | 0.4 | 0 | -0.1 | 0.2 | 0 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cortez Hill | 65 | 1.4 | -0.2 | -0.5 | 1.9 | -0.1 | 0 | 1.8 | 0 | 0.6 | 2 | 0.2 | 0.8 | 2.1 | 0.2 | 0.9 |
| Academy | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.2 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Creative, Performing, | 65 | 0.9 | -0.3 | -0.7 | 1.6 | 0 | 0 | 5.1 | 0 | 1 | 4.8 | 0.1 | 0.7 | 3.5 | -0.3 | -0.6 |
| and Media Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dana | 65 | 24.2 | -0.5 | -0.4 | 28.7 | -0.3 | 4.1 | 37.5 | 0.1 | 9.6 | 40.1 | 0.5 | 12.2 | 41.8 | 2.1 | 13.9 |
| Middle | 75 | 0.4 | 0 | -0.3 | 0.6 | 0 | -0.1 | 0.3 | 0 | -0.1 | 0.3 | 0 | -0.1 | 0.2 | 0 | -0.2 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dewey | 65 | 67.1 | -0.7 | 6.1 | 77.5 | -0.6 | 16.5 | 95.8 | 0.1 | 26.6 | 102.9 | 1.4 | 33.7 | 107.7 | 7 | 38.5 |
| Elementary | 75 | 5.1 | -0.3 | -0.5 | 6.1 | -0.1 | 0.5 | 7.3 | 0 | 1.3 | 7.1 | 0 | 1.1 | 5.9 | 0.1 | -0.1 |
| 1 | 80 | 0.3 | -0.1 | -0.1 | 0.4 | -0.1 | 0 | 0.7 | 0 | 0.1 | 0.5 | 0 | -0.1 | 0.3 | 0 | -0.3 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| El Toyon | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | Tim | ne Above Ex | terior Noise | Level (minu | ites) | | | | | |
|------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emerson/ | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bandini | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emmanuel | 65 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.3 | 0 | 0 | 0.4 | 0.1 | 0.1 | 0.3 | 0 | 0 |
| Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Garfield | 65 | 28.8 | 0.2 | 3 | 34.9 | 0.1 | 9.1 | 43.8 | 0 | 14.5 | 50.1 | 1.2 | 20.8 | 54.8 | 1.5 | 25.5 |
| High | 75 | 0.4 | 0 | 0 | 0.4 | -0.1 | 0 | 0.6 | 0 | 0.2 | 0.7 | 0.1 | 0.3 | 0.7 | 0.1 | 0.3 |
| | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gompers | 95 65 | 0 2.1 | 0 | -0.3 | 3.4 | 0 | 0 | 0 3.9 | 0 | 0 1.5 | 0 4.7 | 0.2 | 0 2.3 | 0 5.1 | 0.2 | 0 2.7 |
| Secondary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harborside | 65 | 7.1 | -0.7 | -1.5 | 9.5 | -0.3 | 0.9 | 5.3 | 0 | 1.7 | 6.3 | 0.3 | 2.7 | 6.6 | 0.6 | 3 |
| | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 75.8 | -0.8 | 9.5 | 87.6 | -0.6 | 21.3 | 101.2 | 0.1 | 30.8 | 109.3 | 1.1 | 38.9 | 116 | 7.4 | 45.6 |
| High | 75 | 15.2 | -0.4 | 0.8 | 18 | -0.2 | 3.6 | 18.7 | 0 | 5.3 | 19.9 | 0 | 6.5 | 20.2 | 0.8 | 6.8 |

| | | | | | | | Tim | e Above Ex | terior Noise | Level (minu | ites) | | | | | |
|-----------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 80 | 2.6 | -0.2 | -0.5 | 3.2 | -0.1 | 0.1 | 3.1 | 0 | 0.6 | 2.8 | -0.1 | 0.3 | 2.3 | 0 | -0.2 |
| | 85 | 0.1 | 0 | -0.2 | 0.2 | 0 | -0.1 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.1 | 0 | -0.1 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 61.8 | -0.7 | 6.1 | 71.5 | -0.5 | 15.8 | 85.7 | 0.1 | 24.9 | 92.8 | 0.5 | 32 | 98.5 | 5.8 | 37.7 |
| Inter-national | 75 | 5.7 | -0.3 | -0.6 | 6.8 | -0.1 | 0.5 | 7.1 | 0 | 2 | 7.4 | 0 | 2.3 | 6.8 | 0.1 | 1.7 |
| | 80 | 0.5 | -0.2 | -0.5 | 0.9 | 0 | -0.1 | 0.7 | 0 | 0 | 0.6 | 0 | -0.1 | 0.4 | 0 | -0.3 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 79.3 | -0.7 | 10.6 | 91.5 | -0.6 | 22.8 | 105 | 0 | 32.3 | 113.3 | 1.2 | 40.6 | 120.2 | 7.8 | 47.5 |
| Middle | 75 | 18.2 | -0.4 | 1.5 | 21.3 | -0.2 | 4.6 | 23 | 0 | 6.7 | 24.6 | 0 | 8.3 | 25.4 | 1.2 | 9.1 |
| | 80 | 3.2 | -0.3 | -0.6 | 4.1 | -0.1 | 0.3 | 4.3 | 0 | 1.2 | 4.2 | 0 | 1.1 | 3.7 | 0.1 | 0.6 |
| | 85 | 0.3 | 0 | -0.3 | 0.5 | 0 | -0.1 | 0.4 | 0 | 0 | 0.4 | 0 | 0 | 0.2 | 0 | -0.2 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halla Bakas | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Holly Drive | 65 | 16.9 | 0.1 | 0 | 21.4 | 0.1 | 4.5 | 25 | 0 | 8.4 | 30.3 | 1 | 13.7 | 32.7 | 1.2 | 16.1 |
| Leadership | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horton | 65 | 22.8 | 0.1 | 1.9 | 29.1 | 0.1 | 8.2 | 31.7 | -0.1 | 11.5 | 38.2 | 0.7 | 18 | 41.6 | 1.6 | 21.4 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrity | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| lohn | 95 65 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnson Elementary | 75 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0.4 | 0 | 0.1 | 0.5 0 | 0.1 0 | 0.2 | 0.5 0 | 0.1 | 0.2 |

| | | | | | | | Tim | ne Above Fv | terior Noise | Level (minu | ıtes) | | | | | |
|------------------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|--------|----------------------|---------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change | East Terminal2020 | Change versus No | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kennedy | 65 | 0.7 | 0 | 0 | 1.1 | 0 | 0.4 | 1.3 | 0 | 0.5 | 1.4 | 0.2 | 0.6 | 1.5 | 0 | 0.7 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kimbrough | 65 | 0.7 | -0.1 | 0 | 0.8 | 0 | 0.1 | 1.2 | 0 | 0.4 | 1.3 | 0.1 | 0.5 | 1.4 | 0.1 | 0.6 |
| (Jack) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| King (Martin Luther, Jr.) | 65 | 1.2 | -0.1 | -0.1 | 1.6 | 0 | 0.3 | 2.5 | 0 | 0.8 | 2.6 | 0.2 | 0.9 | 2.8 | 0 | 1.1 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| King/ | 65 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| Chavez | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KIPP | 65 | 17.5 | 0.1 | 0.8 | 21.3 | 0.1 | 4.6 | 30 | -0.1 | 9.3 | 34.8 | 1.3 | 14.1 | 37.6 | 1.1 | 16.9 |
| Adelante | 75 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0.1 | 0.5 | 0 | 0.1 | 0.6 | 0.1 | 0.2 | 0.6 | 0.1 | 0.2 |
| Preparatory | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| Academy | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | Tin | ne Above Ex | terior Noise | Level (minu | ites) | | | | | |
|------------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Knox | 65 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lagan | 95 65 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Logan Elementary | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.2 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| c.mornary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ľ | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Loma Portal | 65 | 83.2 | -0.7 | 13.5 | 96 | -0.6 | 26.3 | 106 | 0 | 33.9 | 112.7 | 1.5 | 40.6 | 118.9 | 7.9 | 46.8 |
| Elementary | 75 | 27.7 | -0.5 | 3.3 | 32.3 | -0.2 | 7.9 | 35.8 | 0 | 10.5 | 38.5 | 0 | 13.2 | 40.8 | 2.1 | 15.5 |
| | 80 | 10.1 | -0.4 | 1.3 | 12.4 | -0.1 | 3.6 | 15.3 | 0 | 4.7 | 16.3 | 0 | 5.7 | 16.9 | 0.8 | 6.3 |
| | 85 | 2.7 | -0.1 | 0 | 3.3 | 0 | 0.6 | 3.2 | 0 | 0.9 | 3 | 0 | 0.7 | 2.6 | 0 | 0.3 |
| | 90 | 0.5 | 0 | -0.1 | 0.6 | 0 | 0 | 0.6 | 0 | 0.1 | 0.5 | 0 | 0 | 0.3 | 0 | -0.2 |
| Managarial | 95 65 | 0 | 0 | -0.1 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | -0.1 |
| Memorial Academy of | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Learning & | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Technology | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Metro Region | 65 | 2.1 | -0.3 | -0.9 | 3 | -0.1 | 0 | 3.3 | 0 | 1.2 | 3.7 | 0.3 | 1.6 | 4 | 0.3 | 1.9 |
| Community | 75 | 0.2 | 0 | 0.3 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.3 | 0.5 | 0.1 | 0.3 | 0.3 | 0.1 |
| Day Schools | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ļ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monarch | 65 | 33.3 | -1 | -2.5 | 40.2 | -0.6 | 4.4 | 17 | 0 | 4.1 | 18.7 | 0.4 | 5.8 | 19.9 | 0.6 | 7 |
| Elementary | 75 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0.4 | 0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.5 | 0.1 | 0.2 |
| Community Day | 80 | 0 | -0.1 | -0.1 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | -0.1 |
| Day | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montessori | 95 65 | 75 | -1.3 | 1.3 | 88 | -0.9 | 14.3 | 0 95.2 | 0 | 0 23.2 | 0 | 0 | 0 | 0 | 0 | 0 33.5 |
| School of | 75 | 0.6 | -0.3 | -1 | 1.3 | -0.9 | -0.3 | 2.2 | 0.1 | 0.5 | 101.6 2.2 | 0 | 29.6 0.5 | 105.5 1.9 | 1.4 -0.2 | 0.2 |
| San Diego | 80 | 0.6 | 0.3 | 0 | 0 | 0 | -0.3 | 0 | 0 | 0.5 | 0 | 0 | 0.5 | 0 | -0.2 | 0.2 |

| | | | | | | | Tim | ne Above Ex | terior Noise | Level (minu | ites) | | | | | |
|---------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|--------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mt. Erie | 65 | 0.4 | 0 | 0 | 0.5 | 0 | 0.1 | 0.9 | 0 | 0.4 | 0.9 | 0.1 | 0.4 | 0.9 | 0 | 0.4 |
| Christian | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Museum | 65 | 6.8 | -0.3 | -1 | 8.6 | -0.2 | 0.8 | 8.1 | 0 | 2.7 | 9.5 | 0.4 | 4.1 | 10 | 0.3 | 4.6 |
| | 75 | 0.3 | 0 | 0 | 0.3 | 0 | 0 | 0.4 | 0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.5 | 0.1 | 0.2 |
| | 80 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nativity Prep | 65 | 21.1 | 0.1 | 0.6 | 25.9 | 0.1 | 5.4 | 28.9 | -0.1 | 9.2 | 33.8 | 1.2 | 14.1 | 36.5 | 0.9 | 16.8 |
| Academy | 75 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horizons | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ocean | 65 | 53.2 | -0.5 | 4.9 | 62 | -0.3 | 13.7 | 69.9 | 0 | 19.3 | 74.4 | 1 | 23.8 | 78.7 | 3.6 | 28.1 |
| Beach | 75 | 6.2 | -0.3 | 0 | 7.7 | -0.1 | 1.5 | 10.1 | -0.1 | 2.2 | 10.1 | 0.1 | 2.2 | 9.4 | 0 | 1.5 |
| Elementary | 80 | 1.9 | -0.2 | -0.3 | 2.3 | 0 | 0.1 | 2.6 | 0 | 0.5 | 1.9 | 0 | -0.2 | 1.3 | 0 | -0.8 |
| [| 85 | 0.3 | 0 | -0.1 | 0.4 | 0 | 0 | 0.5 | 0 | 0 | 0.3 | 0 | -0.2 | 0.2 | 0 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Our Lady's | 65 | 0.8 | -0.1 | 0 | 0.9 | -0.1 | 0.1 | 1.2 | 0 | 0.4 | 1.4 | 0.2 | 0.6 | 1.5 | 0.2 | 0.7 |
| School | 75 | 0 | -0.1 | -0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perkins | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| _ | | | | | | | Tim | e Above Ex | terior Noise | Level (minu | ites) | | | | | |
|--------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nazarene | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| University | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 65 | 75.8 | -0.8 | 11.4 | 88.1 | -0.5 | 23.7 | 98.5 | 0 | 30.9 | 105.2 | 1.5 | 37.6 | 111.2 | 7.2 | 43.6 |
| Senior High | 75 | 21.1 | -0.4 | 2.2 | 24.8 | -0.2 | 5.9 | 28 | 0 | 7.9 | 29.8 | 0.1 | 9.7 | 31.4 | 1.5 | 11.3 |
| | 80 | 6.1 | -0.3 | 0.4 | 7.6 | -0.1 | 1.9 | 8.9 | 0 | 2.7 | 9.2 | -0.1 | 3 | 9.3 | 0.3 | 3.1 |
| | 85 | 1.6 | -0.1 | -0.1 | 1.7 | -0.1 | 0 | 1.7 | 0 | 0.3 | 1.3 | 0 | -0.1 | 1 | 0 | -0.4 |
| = | 90 | 0 | 0 | -0.2 | 0.1 | 0 | -0.1 | 0.1 | 0 | -0.1 | 0.1 | 0 | -0.1 | 0 | 0 | -0.2 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Promise | 65 | 0.6 | -0.1 | 0 | 0.7 | 0 | 0.1 | 1 | 1 | 0.3 | 1.2 | 1.2 | 0.5 | 1.2 | 1.2 | 0.5 |
| Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | -1 | 0 | 0 | -1.1 | 0 |
| L | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Roosevelt | 65 | 0 | -0.1 | -0.1 | 0 | 0 | -0.1 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 |
| Middle | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| L | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rowan | 65 | 0.8 | -0.1 | -0.1 | 1 | 0 | 0.1 | 1.3 | 1.3 | 0.3 | 1.5 | 1.5 | 0.5 | 1.5 | 1.5 | 0.5 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | -1.2 | 0.1 | 0.1 | -1.3 | 0.1 | 0.1 | -1.3 | 0.1 |
| F | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| Ļ | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ļ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sacred Heart | 65 75 | 54.5 | -0.5 | 5.7 | 63.6 | -0.4 | 14.8 | 71.9 | 71.9 | 19.8 | 76.4 | 76.4 | 24.3 | 80.8 | 80.8 | 28.7 |
| Academy | 75 | 6.2 | -0.3 | 0.1 | 7.6 | -0.1 | 1.5 | 9.9 | -62 | 2.3 | 9.7 | -65.6 | 2.1 | 8.9 | -68 | 1.3 |
| Ļ | 80 | 2 | -0.2 | -0.2 | 2.3 | 0 | 0.1 | 2.7 | -7.2 | 0.5 | 2 | -7.7 | -0.2 | 1.4 | -7.6 | -0.8 |
| L | 85 | 0.1 | 0 | -0.1 | 0.1 | 0 | -0.1 | 0.7 | -2 | 0.1 | 0.5 | -1.5 | -0.1 | 0.3 | -1.1 | -0.3 |
| ⊦ | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.7 | 0 | 0 | -0.5 | 0 | 0 | -0.3 | 0 |
| San Diego | 95 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | Tim | ne Above Ex | terior Noise | Level (minu | tes) | | | | | |
|--------------------------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|--------|----------------------|---------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change | East Terminal2020 | Change versus No | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| Academy | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego City College | 65 | 23.2 | 0.2 | 1.3 | 28.2 | 0.1 | 6.3 | 39.5 | 39.5 | 13.4 | 45.8 | 45.8 | 19.7 | 50 | 50 | 23.9 |
| | 75 | 0.3 | -0.1 | 0 | 0.4 | 0 | 0.1 | 0.5 | -39.1 | 0.1 | 0.6 | -44 | 0.2 | 0.6 | -47.8 | 0.2 |
| | 80 | 0.1 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | -0.4 | 0 | 0.1 | -0.4 | 0 | 0.1 | -0.4 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Continuing Education | 65 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.4 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.4 | 0 | 0 | -0.3 | 0 | 0 | -0.4 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Cooperative Charter | 65 | 1.4 | -0.2 | -1 | 2.2 | -0.1 | -0.2 | 1.9 | 1.9 | 0.7 | 2.3 | 2.3 | 1.1 | 2.4 | 2.4 | 1.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1.9 | 0 | 0 | -2.1 | 0 | 0 | -2.2 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Senior High | 65 | 46.6 | 0.3 | 6.8 | 56.6 | 0.1 | 16.8 | 63.8 | 63.8 | 21.8 | 71.5 | 71.5 | 29.5 | 77.3 | 77.3 | 35.3 |
| | 75 | 1.5 | 0 | -0.2 | 1.8 | 0 | 0.1 | 4.3 | -59.4 | 1.7 | 5 | -65 | 2.4 | 5.5 | -67.3 | 2.9 |
| | 80 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | -4.1 | 0 | 0.3 | -4.5 | 0.1 | 0.3 | -5.2 | 0.1 |
| [| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.2 | 0 | 0 | -0.2 | 0 | 0 | -0.2 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | ran• | Ab F | 4 : > T • | T1/ ' | 4) | | | | | |
|------------------------------------|-------------|------------------|---------------------------|---------------|------------------|---------------------------|-------------------------|--------------|---------------------------|-------------------------|------------------|---------------------------|-------------------------|------------------|--|-------------------------|
| | Noise Level | East | Change | Change versus | East | Change | Change | East | Change | Level (minu | East | Change | Change | East | Change | Change |
| | (dB) | Terminal 2010 | versus No Project 2010 | Baseline 2005 | Terminal 2015 | versus No Project 2015 | versus Baseline 2005 | Terminal2020 | versus No Project 2020 | versus Baseline 2005 | Terminal 2025 | versus No Project 2025 | versus Baseline 2005 | Terminal 2030 | | versus Baseline 2005 |
| Sherman Elementary | 65 | 0.6 | 0 | 0 | 0.6 | -0.1 | 0 | 0.8 | 0.8 | 0.2 | 0.9 | 0.9 | 0.3 | 0.9 | versus No | 0.3 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.8 | 0 | 0 | -0.8 | 0 | 0 | -0.8 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| Silver Gate Elementary | 65 | 9.4 | -0.3 | -1.1 | 11.5 | -0.2 | 1 | 15.9 | 15.9 | 4.1 | 16.9 | 16.9 | 5.1 | 17.3 | Project 2030 Pr | 5.5 |
| | 75 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | -15.8 | -0.1 | 0 | -16.6 | -0.1 | 0 | -16.5 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Augustine High School | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| St. Charles Borromeo Academy | 65 | 98.3 | -0.8 | 11.2 | 112.2 | -0.7 | 25.1 | 124.7 | 124.7 | 35.2 | 132.7 | 132.7 | 43.2 | 139.4 | 139.4 | 49.9 |
| | 75 | 28.8 | -0.5 | 3 | 33.7 | -0.3 | 7.9 | 35.8 | -88.8 | 10.6 | 38.5 | -92.4 | 13.3 | 39.7 | | 14.5 |
| | 80 | 6.1 | -0.3 | -0.2 | 7.3 | -0.1 | 1 | 8.6 | -27.2 | 2 | 8.7 | -29.4 | 2.1 | 8 | | 1.4 |
| | 85 | 8.0 | -0.1 | -0.2 | 1 | -0.1 | 0 | 1.4 | -7.2 | 0.1 | 1.1 | -7.6 | -0.2 | 0.7 | | -0.6 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | -1.3 | 0 | 0 | -1.1 | -0.1 | 0 | | -0.1 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 | 0 | | 0 |
| St. Jude Academy | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | Tim | e Above Ex | terior Noise | Level (minu | tes) | | | | | |
|-----------------------------------|---------------------|--------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|--------------------------|-------------------------------------|-----------------------------------|
| | Noise Level (dB) | East Terminal 2010 | Change versus No Project 2010 | Change versus Baseline 2005 | East Terminal 2015 | Change versus No Project 2015 | Change versus Baseline 2005 | East Terminal2020 | Change versus No Project 2020 | Change versus Baseline 2005 | East Terminal 2025 | Change versus No Project 2025 | Change versus Baseline 2005 | East Terminal 2030 | Change versus No Project 2030 | Change versus Baseline 2005 |
| St. Rita's | 65 | 29.4 | 0.2 | 3 | 36.9 | 0.1 | 10.5 | 43.5 | 43.5 | 15.6 | 50.1 | 50.1 | 22.2 | 54.5 | 54.5 | 26.6 |
| | 75 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | -43.3 | 0 | 0.1 | -49.5 | 0 | 0.1 | -52.4 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sunset View Elementary | 65 | 0 | 0 | -0.2 | 0.1 | 0 | -0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.1 | -0.1 | 0 | 0 | -0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valencia Park Elementary | 65 | 25.3 | 0.1 | 2.1 | 31.8 | 0.1 | 8.6 | 38.2 | 38.2 | 13.4 | 43.9 | 43.9 | 19.1 | 47.5 | 47.5 | 22.7 |
| | 75 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | -38 | 0.1 | 0.1 | -43 | 0.1 | 0.1 | -45.8 | 0.1 |
| | 80 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | -0.1 | 0.1 | 0.1 | -43 | 0.1 | 0.1 | -0.1 | 0.1 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warren- Walker School, Inc. | 65 | 8.2 | -0.2 | -0.6 | 10.1 | 0 | 1.3 | 13.3 | 13.3 | 3 | 13.5 | 13.5 | 3.2 | 13.5 | 13.5 | 3.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 0 | | 40.0 | 0 | | 40.0 | 0 |
| [| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -13.3 0 | 0 | 0 | -13.3 0 | 0 | 0 | -13.2 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington Elementary | 65 | 39.7 | 0.1 | 4.7 | 48.3 | -0.1 | 13.3 | 53.1 | 53.1 | 16.9 | 60.2 | 60.2 | 24 | 65.5 | 65.5 | 29.3 |
| | 75 | 0.8 | 0 | -0.1 | 1 | -0.1 | 0.1 | 1.4 | -51.7 | 0.4 | 1.5 | -57.7 | 0.5 | 1.6 | -61.1 | 0.6 |
| [| 80 | 0.2 | 0 | 0 | 0.2 | 0 | 0 | 0.3 | -1.1 | 0.1 | 0.3 | -1 | 0.1 | 0.3 | -1.2 | 0.1 |
| | 85 | 0 | 0 | -0.1 | 0 | 0 | -0.1 | 0.1 | -0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0 | -0.3 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | Time Above Exterior Noise Level (minutes) | | | | | | | | | | | | | | | |
|-----------------------|---|------------------|--------------|--------------------------------|------------------|---------------------|------------------|----------------------|---------------------|------------------|------------------|---------------------|------------------|------------------|---------------------|------------------|
| | Noise Level (dB) | East Terminal | | Change versus Baseline 2005 | East Terminal | Change versus No | Change versus | East Terminal2020 | Change versus No | Change versus | East Terminal | Change versus No | Change versus | East Terminal | Change versus No | Change versus |
| | (ub) | 2010 | Project 2010 | | 2015 | | Baseline 2005 | | | Baseline 2005 | 2025 | | Baseline 2005 | | | Baseline 2005 |
| Webster Elementary | 65 | 0.4 | 0 | 0 | 0.5 | 0 | 0.1 | 0.6 | 0.6 | 0.2 | 0.7 | 0.7 | 0.3 | 0.7 | 0.7 | 0.3 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0.6 | 0 | 0 | -0.6 | 0 | 0 | -0.6 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Source: HNTB analysis

 $\label{eq:table B-10} \mbox{Table B-10 B-13}$ Time Above Exterior Noise Levels for Schools with No Project Alternative

Time Above Exterior Noise Level (minutes) No Project No Project Change versus No Project Change versus No Project No Project 2030 Noise Level Change versus Change versus Change versus Baseline 2005 Baseline 2005 Baseline 2005 Baseline 2005 Baseline 2005 (dB) 0.2 0.2 Baker 0.3 0.1 0.2 0.2 Elementary 53.3 63.8 16.5 Balboa 71.2 75.8 26.6 76.9 27.7 City 25.2 30.2 33.5 10.5 36.9 13.9 13.6 1.5 16.5 4.4 17.6 5.6 19.6 7.6 20.8 8.8 7.3 7.9 3.2 4.3 0.2 5.2 1.1 6.6 1.9 2.6 0.2 0.2 0.3 0.3 0.3 0.1 0.1 0.1 Balboa Elementary YR Barnard 50.7 59.4 14.7 21.4 72.8 23.2 71.6 Elementary 3.6 0.2 4.2 0.8 4.5 4.8 1.3 4.4 0.9 0.7 0.1 0.8 0.2 0.6 0.1 0.6 0.1 0.5 0.1 0.1 60.4 8.3 21.9 84.9 29.2 36.2 Brooklyn 91.9 94.5 38.8 0.4 15.1 Elementary 12.4 3.1 17.1 5.5 7.4 20.8 9.2 0.4 -0.1 0.6 0.1 0.3 0.9 0.2 0.4 1.1

| | | | | | Time | Above Exterior | Noise Level (min | nutes) | | | |
|-----------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| Burbank | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cabrillo | 65 | 0 | -0.3 | 0.2 | -0.1 | 0.2 | -0.1 | 0.2 | -0.1 | 0 | -0.3 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chancellor William | 65 | 3.1 | -0.3 | 3.8 | 0.4 | 15.5 | 7 | 17.9 | 9.4 | 20.5 | 12 |
| McGill School of | 75 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 |
| Success | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter School of | 65 | 1.8 | -1.2 | 2.5 | -0.5 | 7 | 0.6 | 6.6 | 0.2 | 5.9 | -0.5 |
| San Diego | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chavez | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (Cesar) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chollas/ | 65 | 42.8 | 4.8 | 53.7 | 15.7 | 61.3 | 21.1 | 67.9 | 27.7 | 70.8 | 30.6 |

| | | | | | Time | Above Exterior | · Noise Level (min | utes) | | | |
|--------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| Mead | 75 | 0.5 | -0.2 | 0.7 | 0 | 1 | 0.3 | 0.9 | 0.2 | 1.1 | 0.4 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| City Tree | 65 | 45.8 | 6.4 | 55.5 | 16.1 | 62.7 | 20.7 | 67.9 | 25.9 | 70.3 | 28.3 |
| Christian | 75 | 3.1 | -0.3 | 3.7 | 0.3 | 8.1 | 3.6 | 9.5 | 5 | 10.9 | 6.4 |
| | 80 | 0.3 | 0.1 | 0.3 | 0.1 | 0.4 | 0.2 | 0.4 | 0.2 | 0.4 | 0.2 |
| | 85 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Correia | 65 | 75.4 | 12.2 | 87.3 | 24.1 | 96.7 | 31.9 | 100 | 35.2 | 99.9 | 35.1 |
| Middle | 75 | 14.4 | 1.8 | 17.1 | 4.5 | 21.9 | 5.8 | 22.9 | 6.8 | 22.6 | 6.5 |
| | 80 | 3.9 | 0.1 | 4.5 | 0.7 | 4.6 | 1.2 | 4.2 | 0.8 | 3.4 | 0 |
| | 85 | 0.6 | -0.1 | 0.7 | 0 | 0.6 | 0.1 | 0.4 | -0.1 | 0.2 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cortez Hill | 65 | 1.6 | -0.3 | 2 | 0.1 | 1.8 | 0.6 | 1.8 | 0.6 | 1.9 | 0.7 |
| Academy | 75 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Creative, Performing, | 65 | 1.2 | -0.4 | 1.6 | 0 | 5.1 | 1 | 4.7 | 0.6 | 3.8 | -0.3 |
| and Media Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dana | 65 | 24.7 | 0.1 | 29 | 4.4 | 37.4 | 9.5 | 39.6 | 11.7 | 39.7 | 11.8 |
| Middle | 75 | 0.4 | -0.3 | 0.6 | -0.1 | 0.3 | -0.1 | 0.3 | -0.1 | 0.2 | -0.2 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | Noise Level (min | nutes) | | | |
|------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dewey | 65 | 67.8 | 6.8 | 78.1 | 17.1 | 95.7 | 26.5 | 101.5 | 32.3 | 100.7 | 31.5 |
| Elementary | 75 | 5.4 | -0.2 | 6.2 | 0.6 | 7.3 | 1.3 | 7.1 | 1.1 | 5.8 | -0.2 |
| | 80 | 0.4 | 0 | 0.5 | 0.1 | 0.7 | 0.1 | 0.5 | -0.1 | 0.3 | -0.3 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| El Toyon | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emerson/ | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bandini | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emmanuel | 65 | 0.2 | 0 | 0.2 | 0 | 0.3 | 0 | 0.3 | 0 | 0.3 | 0 |
| Arts | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Garfield | 65 | 28.6 | 2.8 | 34.8 | 9 | 43.8 | 14.5 | 48.9 | 19.6 | 53.3 | 24 |
| High | 75 | 0.4 | 0 | 0.5 | 0.1 | 0.6 | 0.2 | 0.6 | 0.2 | 0.6 | 0.2 |
| | 80 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gompers | 65 | 2.1 | -0.3 | 3.4 | 1 | 3.9 | 1.5 | 4.5 | 2.1 | 4.9 | 2.5 |

| | | | | | Time | Above Exterior | Noise Level (min | utes) | | | |
|----------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| Secondary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| j | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harborside | 65 | 7.8 | -0.8 | 9.8 | 1.2 | 5.3 | 1.7 | 6 | 2.4 | 6 | 2.4 |
| | 75 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 76.6 | 10.3 | 88.2 | 21.9 | 101.1 | 30.7 | 108.2 | 37.8 | 108.6 | 38.2 |
| High | 75 | 15.6 | 1.2 | 18.2 | 3.8 | 18.7 | 5.3 | 19.9 | 6.5 | 19.4 | 6 |
| | 80 | 2.8 | -0.3 | 3.3 | 0.2 | 3.1 | 0.6 | 2.9 | 0.4 | 2.3 | -0.2 |
| | 85 | 0.1 | -0.2 | 0.2 | -0.1 | 0.2 | 0 | 0.2 | 0 | 0.1 | -0.1 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 62.5 | 6.8 | 72 | 16.3 | 85.6 | 24.8 | 92.3 | 31.5 | 92.7 | 31.9 |
| Inter-national | 75 | 6 | -0.3 | 6.9 | 0.6 | 7.1 | 2 | 7.4 | 2.3 | 6.7 | 1.6 |
| | 80 | 0.7 | -0.3 | 0.9 | -0.1 | 0.7 | 0 | 0.6 | -0.1 | 0.4 | -0.3 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Tech | 65 | 80 | 11.3 | 92.1 | 23.4 | 105 | 32.3 | 112.1 | 39.4 | 112.4 | 39.7 |
| Middle | 75 | 18.6 | 1.9 | 21.5 | 4.8 | 23 | 6.7 | 24.6 | 8.3 | 24.2 | 7.9 |
| | 80 | 3.5 | -0.3 | 4.2 | 0.4 | 4.3 | 1.2 | 4.2 | 1.1 | 3.6 | 0.5 |
| | 85 | 0.3 | -0.3 | 0.5 | -0.1 | 0.4 | 0 | 0.4 | 0 | 0.2 | -0.2 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Holly Drive | 65 | 16.8 | -0.1 | 21.3 | 4.4 | 25 | 8.4 | 29.3 | 12.7 | 31.5 | 14.9 |
| Leadership | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterio | r Noise Level (min | utes) | | | |
|----------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horton | 65 | 22.7 | 1.8 | 29 | 8.1 | 31.8 | 11.6 | 37.5 | 17.3 | 40 | 19.8 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 |
| , | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrity | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnson | 65 | 0.3 | 0 | 0.3 | 0 | 0.4 | 0.1 | 0.4 | 0.1 | 0.4 | 0.1 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kennedy | 65 | 0.7 | 0 | 1.1 | 0.4 | 1.3 | 0.5 | 1.2 | 0.4 | 1.5 | 0.7 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kimbrough | 65 | 0.8 | 0.1 | 0.8 | 0.1 | 1.2 | 0.4 | 1.2 | 0.4 | 1.3 | 0.5 |
| (Jack) Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | · Noise Level (min | utes) | | | |
|------------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| King (Martin Luther, Jr.) | 65 | 1.3 | 0 | 1.6 | 0.3 | 2.5 | 0.8 | 2.4 | 0.7 | 2.8 | 1.1 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| King/ | 65 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| Chavez | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Charter | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KIPP | 65 | 17.4 | 0.7 | 21.2 | 4.5 | 30.1 | 9.4 | 33.5 | 12.8 | 36.5 | 15.8 |
| Adelante | 75 | 0.4 | 0.1 | 0.4 | 0.1 | 0.5 | 0.1 | 0.5 | 0.1 | 0.5 | 0.1 |
| Preparatory | 80 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| Academy | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Knox | 65 | 0.1 | 0 | 0.1 | 0 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Logan | 65 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Loma Portal | 65 | 83.9 | 14.2 | 96.6 | 26.9 | 106 | 33.9 | 111.2 | 39.1 | 111 | 38.9 |
| Elementary | 75 | 28.2 | 3.8 | 32.5 | 8.1 | 35.8 | 10.5 | 38.5 | 13.2 | 38.7 | 13.4 |

| | | | | | Time | Above Exterior | r Noise Level (min | nutes) | | | |
|-----------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 80 | 10.5 | 1.7 | 12.5 | 3.7 | 15.3 | 4.7 | 16.3 | 5.7 | 16.1 | 5.5 |
| | 85 | 2.8 | 0.1 | 3.3 | 0.6 | 3.2 | 0.9 | 3 | 0.7 | 2.6 | 0.3 |
| | 90 | 0.5 | -0.1 | 0.6 | 0 | 0.6 | 0.1 | 0.5 | 0 | 0.3 | -0.2 |
| | 95 | 0 | -0.1 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | -0.1 |
| Memorial | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy of | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Learning & Technology | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| recrinology | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Metro Region | 65 | 2.4 | -0.6 | 3.1 | 0.1 | 3.3 | 1.2 | 3.4 | 1.3 | 3.7 | 1.6 |
| Community | 75 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 |
| Day Schools | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monarch | 65 | 34.3 | -1.5 | 40.8 | 5 | 17 | 4.1 | 18.3 | 5.4 | 19.3 | 6.4 |
| Elementary | 75 | 0.3 | 0 | 0.3 | 0 | 0.4 | 0.1 | 0.4 | 0.1 | 0.4 | 0.1 |
| Community | 80 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | -0.1 |
| Day | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montessori | 65 | 76.3 | 2.6 | 88.9 | 15.2 | 95.1 | 23.1 | 101.6 | 29.6 | 104.1 | 32.1 |
| School of | 75 | 0.9 | -0.7 | 1.4 | -0.2 | 2.2 | 0.5 | 2.2 | 0.5 | 2.1 | 0.4 |
| San Diego | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mt. Erie | 65 | 0.4 | 0 | 0.5 | 0.1 | 0.9 | 0.4 | 0.8 | 0.3 | 0.9 | 0.4 |
| Christian | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | · Noise Level (min | utes) | | | |
|---------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| Museum | 65 | 7.1 | -0.7 | 8.8 | 1 | 8.1 | 2.7 | 9.1 | 3.7 | 9.7 | 4.3 |
| | 75 | 0.3 | 0 | 0.3 | 0 | 0.4 | 0.1 | 0.4 | 0.1 | 0.4 | 0.1 |
| | 80 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | -0.1 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nativity Prep | 65 | 21 | 0.5 | 25.8 | 5.3 | 29 | 9.3 | 32.6 | 12.9 | 35.6 | 15.9 |
| Academy | 75 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horizons | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ocean | 65 | 53.7 | 5.4 | 62.3 | 14 | 69.9 | 19.3 | 73.4 | 22.8 | 75.1 | 24.5 |
| Beach | 75 | 6.5 | 0.3 | 7.8 | 1.6 | 10.2 | 2.3 | 10 | 2.1 | 9.4 | 1.5 |
| Elementary | 80 | 2.1 | -0.1 | 2.3 | 0.1 | 2.6 | 0.5 | 1.9 | -0.2 | 1.3 | -0.8 |
| | 85 | 0.3 | -0.1 | 0.4 | 0 | 0.5 | 0 | 0.3 | -0.2 | 0.2 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Our Lady's | 65 | 0.9 | 0.1 | 1 | 0.2 | 1.2 | 0.4 | 1.2 | 0.4 | 1.3 | 0.5 |
| School | 75 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | -0.1 | 0 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perkins | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | Noise Level (min | nutes) | | | |
|--------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nazarene | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| University | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Point Loma | 65 | 76.6 | 12.2 | 88.6 | 24.2 | 98.5 | 30.9 | 103.7 | 36.1 | 104 | 36.4 |
| Senior High | 75 | 21.5 | 2.6 | 25 | 6.1 | 28 | 7.9 | 29.7 | 9.6 | 29.9 | 9.8 |
| | 80 | 6.4 | 0.7 | 7.7 | 2 | 8.9 | 2.7 | 9.3 | 3.1 | 9 | 2.8 |
| | 85 | 1.7 | 0 | 1.8 | 0.1 | 1.7 | 0.3 | 1.3 | -0.1 | 1 | -0.4 |
| | 90 | 0 | -0.2 | 0.1 | -0.1 | 0.1 | -0.1 | 0.1 | -0.1 | 0 | -0.2 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Promise | 65 | 0.7 | 0.1 | 0.7 | 0.1 | 1 | 0.3 | 1 | 0.3 | 1.1 | 0.4 |
| Charter | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Roosevelt | 65 | 0.1 | 0 | 0 | -0.1 | 0.1 | 0 | 0.1 | 0 | 0 | -0.1 |
| Middle | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rowan | 65 | 0.9 | 0 | 1 | 0.1 | 1.3 | 0.3 | 1.4 | 0.4 | 1.4 | 0.4 |
| Elementary | 75 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| · | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sacred Heart | 65 | 55 | 6.2 | 64 | 15.2 | 71.9 | 19.8 | 75.3 | 23.2 | 76.9 | 24.8 |
| Academy | 75 | 6.5 | 0.4 | 7.7 | 1.6 | 9.9 | 2.3 | 9.7 | 2.1 | 9 | 1.4 |

| | | | | | Time | Above Exterior | · Noise Level (min | utes) | | | |
|--------------------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 80 | 2.2 | 0 | 2.3 | 0.1 | 2.7 | 0.5 | 2 | -0.2 | 1.4 | -0.8 |
| | 85 | 0.1 | -0.1 | 0.1 | -0.1 | 0.7 | 0.1 | 0.5 | -0.1 | 0.3 | -0.3 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Academy | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego City College | 65 | 23 | 1.1 | 28.1 | 6.2 | 39.6 | 13.5 | 44.6 | 18.5 | 48.4 | 22.3 |
| | 75 | 0.4 | 0.1 | 0.4 | 0.1 | 0.5 | 0.1 | 0.5 | 0.1 | 0.5 | 0.1 |
| | 80 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Continuing Education | 65 | 0.2 | 0 | 0.2 | 0 | 0.4 | 0.1 | 0.3 | 0 | 0.4 | 0.1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego Cooperative Charter | 65 | 1.6 | -0.8 | 2.3 | -0.1 | 1.9 | 0.7 | 2.1 | 0.9 | 2.2 | 1 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | r Noise Level (min | utes) | | | |
|------------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| San Diego Senior High | 65 | 46.3 | 6.5 | 56.5 | 16.7 | 63.7 | 21.7 | 70 | 28 | 72.8 | 30.8 |
| | 75 | 1.5 | -0.2 | 1.8 | 0.1 | 4.3 | 1.7 | 4.8 | 2.2 | 5.5 | 2.9 |
| | 80 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sherman Elementary | 65 | 0.6 | 0 | 0.7 | 0.1 | 0.8 | 0.2 | 0.8 | 0.2 | 0.8 | 0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Silver Gate Elementary | 65 | 9.7 | -0.8 | 11.7 | 1.2 | 15.8 | 4 | 16.6 | 4.8 | 16.5 | 4.7 |
| | 75 | 0 | -0.1 | 0 | -0.1 | 0 | -0.1 | 0 | -0.1 | 0 | -0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01. 4 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Augustine High School | 65 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Charles Borromeo Academy | 65 | 99.1 | 12 | 112.9 | 25.8 | 124.6 | 35.1 | 130.9 | 41.4 | 130.1 | 40.6 |
| | 75 | 29.3 | 3.5 | 34 | 8.2 | 35.8 | 10.6 | 38.1 | 12.9 | 37.4 | 12.2 |

| | | | | | Time | Above Exterio | r Noise Level (min | utes) | | | |
|--------------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| | 80 | 6.4 | 0.1 | 7.4 | 1.1 | 8.6 | 2 | 8.7 | 2.1 | 7.7 | 1.1 |
| | 85 | 0.9 | -0.1 | 1.1 | 0.1 | 1.4 | 0.1 | 1.1 | -0.2 | 0.7 | -0.6 |
| | 90 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | -0.1 | 0 | -0.1 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Jude Academy | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Rita's | 65 | 29.2 | 2.8 | 36.8 | 10.4 | 43.4 | 15.5 | 49.6 | 21.7 | 52.5 | 24.6 |
| | 75 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0.1 | 0 | 0.1 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sunset View Elementary | 65 | 0 | -0.2 | 0.1 | -0.1 | 0.1 | -0.1 | 0.1 | -0.1 | 0 | -0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valencia Park Elementary | 65 | 25.2 | 2 | 31.7 | 8.5 | 38.1 | 13.3 | 43.1 | 18.3 | 45.9 | 21.1 |
| Liementary | 75 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | Time | Above Exterior | r Noise Level (min | utes) | | | |
|-----------------------------------|---------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------|--------------------------------|
| | Noise Level (dB) | No Project 2010 | Change versus Baseline 2005 | No Project 2015 | Change versus Baseline 2005 | No Project 2020 | Change versus Baseline 2005 | No Project 2025 | Change versus Baseline 2005 | No Project 2030 | Change versus Baseline 2005 |
| Warren- Walker School, Inc. | 65 | 8.4 | -0.4 | 10.1 | 1.3 | 13.3 | 3 | 13.3 | 3 | 13.2 | 2.9 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington Elementary | 65 | 39.6 | 4.6 | 48.4 | 13.4 | 53.1 | 16.9 | 59.2 | 23 | 62.7 | 26.5 |
| | 75 | 0.8 | -0.1 | 1.1 | 0.2 | 1.4 | 0.4 | 1.3 | 0.3 | 1.5 | 0.5 |
| | 80 | 0.2 | 0 | 0.2 | 0 | 0.3 | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 |
| | 85 | 0 | -0.1 | 0 | -0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Webster Elementary | 65 | 0.4 | 0 | 0.5 | 0.1 | 0.6 | 0.2 | 0.6 | 0.2 | 0.6 | 0.2 |
| | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

B.6 Transportation Noise Study

Road traffic noise was assessed by comparing the existing noise levels to those of the various future alternatives, in terms of the peak hour $L_{EQ.}$ Tables B-1114 and B-1215 show the Peak Hour Road Traffic Noise Level and Tables B-1316 and B-1417 show the Daily Road Traffic CNEL for years 2010, 2015, 2025, and 2030.

| | | | | | | | able | | | | | | | | | | | | | | | | | | |
|-------------------------------------|----------------------|------|-----------------|------|--------|-------|----------|-------|-----------|--------|------------|-------|------|---------|---------|--------|-------|------|--------|------------|------|-------|--------|----------|--------------------|
| Peak Hour Roa | <u>d Traffic N</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Ir | ncre | ease | in e | dBA | L_{EQ} | Co | mpa | red | to E | Exist | _ | • | • | Con | ditio | ons | (at | 50 F | eet | to C | Cente | er Lir | ne of |
| | 2005 L _{EQ} | | | | | | | | | | | | R | oad |) | | | | | | | | | | |
| | in dBA at | | | | | | | | | | | | | | | | Е | ast | Teri | mina | | | East | Tern | ninal |
| | 50 Feet to | | | | | | Pr | opos | sed F | roie | ct | Pro | sogo | ed F | roje | ct | | Alte | erna | tive | | | Alte | ernati | ive |
| | Center | | | | | | | Iemen | itation I | Plan w | | | | | an witl | | Impl | | - | Plan | vith | Imple | | | an without |
| | Line of | | NO | Pro | ject | | | St | tructure | e | | _ | St | ructure | e | | | S | tructu | re | | | S | tructure | e |
| Roadways | Road | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 2 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 2030 |
| North Harbor Drive | | | | | | | | | | | | | | | | | | | | | | | | | |
| West of NTC | 70.8 | 0.4 | | 1.7 | 2.0 | | | 1.0 | 1.7 | 2.0 | 2.6 | 0.4 | 1.0 | 1.7 | 2.0 | 2.6 | 0.4 | 1.0 | 1.7 | 2.0 | | | | 1.7 | 2.0 2.6 |
| NTC - Spanish Landing | 71.7 | 0.6 | 1.0 | 1.7 | 1.9 | | 0.0 | 0.4 | 1.2 | 1.4 | 1.9 | 0.1 | 0.5 | 1.2 | 1.4 | 1.9 | 0.6 | 1.1 | 1.8 | | | | | 1.8 | 2.0 2.6 |
| Spanish Landing - T2 Access | 70.7 | 0.9 | 1.3 | | | | | 1.4 | 1.8 | 1.9 | 2.5 | 1.0 | 1.3 | 1.7 | 1.8 | 2.3 | 1.0 | 1.4 | 1.9 | | | | | | 2.0 2.6 |
| T2 Access - Harbor Island | 73.1 | 0.2 | 0.7 | | | | | 1.0 | 1.5 | 1.6 | 2.0 | 0.4 | 0.9 | 1.3 | 1.5 | | 0.2 | 8.0 | | | | | | | 1.3 1.7 |
| Harbor Island - T1 Access | 73.4 | 0.1 | 0.4 | | | | | 0.9 | 1.2 | 1.4 | 1.6 | 0.5 | 8.0 | 1.0 | 1.3 | | 0.5 | 8.0 | | | | | | | 1.3 1.5 |
| T1 Access - Winship | 74.2 | 0.4 | 0.8 | | | | | 1.0 | | 1.6 | 1.7 | 0.6 | 0.9 | 1.2 | 1.5 | | -0.2 | 0.2 | | | | | | | 0.8 1.0 |
| Winship - Rental Car Rd | 74.3 | 0.4 | 8.0 | | | | | 0.9 | | 1.5 | 1.6 | 0.5 | 0.9 | 1.2 | 1.4 | | -0.1 | 0.3 | 0.6 | | | | 0.3 | | 0.9 0.9 |
| Rental Car Rd - Laurel | 77.7 | 0.2 | 0.7 | | | | | 0.7 | 1.1 | 1.2 | 1.3 | 0.2 | 0.7 | 1.1 | 1.2 | 1.3 | 0.2 | 0.7 | 1.1 | 1.2 | 1.3 | | 0.7 | 1.1 | 1.2 1.3 |
| Laurel - Hawthorn | 74.1 | 0.2 | 0.6 | | | | | 0.6 | | 1.3 | 1.5 | 0.1 | 0.6 | 1.0 | 1.2 | 1.4 | 0.1 | 0.6 | | | | _ | 0.6 | 1.0 | 1.2 1.4 |
| Hawthorn - Grape | 73.6 | 0.1 | 0.5 | 0.8 | 1.0 | 1.1 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 | 0.1 | 0.5 | 0.8 | 1.1 | 1.2 | 0.1 | 0.5 | 8.0 | 1.1 1.2 |
| Grape Street | | | | | | | | _ | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 66.7 | 0.2 | | | | | 0.2 | 0.7 | 1.3 | 1.5 | 1.8 | 0.2 | 0.7 | 1.3 | 1.5 | 1.7 | 0.2 | 0.7 | 1.3 | 1.5 | | | | | 1.5 1.8 |
| Pacific - Kettner | 67.7 | 0.9 | | | | 1.9 | | 1.3 | 1.6 | | 2.0 | | 1.2 | 1.6 | 1.8 | | 0.9 | 1.3 | | | | | | | |
| Kettner - I-5 | 70.3 | 0.8 | 1.0 | 0.9 | 1.1 | 1.4 | 0.7 | 1.0 | 0.9 | 1.1 | 1.5 | 8.0 | 1.0 | 0.9 | 1.1 | 1.5 | 0.7 | 1.0 | 0.9 | 1.1 | 1.5 | 0.7 | 1.0 | 0.9 | 1.1 1.5 |
| Hawthorne Street | | | | | | | | | | | | | | | | | | | | | | | | | . = |
| Harbor - Pacific | 66.9 | 0.2 | | 1.3 | _ | | _ | 0.8 | | 1.5 | 1.8 | | _ | 1.3 | 1.5 | 1.8 | 0.2 | 0.7 | | | | | | | |
| Pacific - Kettner | 66.9 | 0.2 | | 1.2 | | | | 0.6 | 1.2 | 1.4 | 1.7 | 0.1 | 0.6 | 1.1 | 1.4 | | 0.1 | 0.6 | | | | | 0.6 | | 1.4 1.7 |
| Kettner - I-5 | 70.9 | 0.3 | 8.0 | 1.2 | 1.4 | 1.7 | 0.3 | 8.0 | 1.2 | 1.4 | 1.8 | 0.3 | 8.0 | 1.1 | 1.4 | 1.8 | 0.3 | 8.0 | 1.2 | 1.4 | 1.8 | 0.3 | 8.0 | 1.1 | 1.4 1.8 |
| India Street | 744 | | 0.0 | | J 0 = | | 0.0 | 0.0 | 0.5 | 0.7 | 4 4 | 0.0 | 0.0 | 0.5 | 0.7 | 4 4 | 0.0 | 0.0 | 0.5 | 0.7 | 4.4 | 0.0 | 0.0 | 0.5 | 0 7 4 4 |
| Laurel - Palm | 74.4 | 0.2 | | | | | | 0.9 | | 0.7 | 1.4 | | | | 0.7 | | 0.2 | 0.9 | | | | | | | |
| Palm - Sassafras | 74.6 | 0.0 | 0.7 | | _ | | | 0.7 | 0.3 | 0.4 | 0.9 | 0.0 | 0.7 | 0.3 | 0.4 | | 0.0 | 0.7 | 0.3 | | | | | 0.3 | 0.4 0.9 |
| Sassafras - Washington Kettner Blvd | 71.7 | 0.3 | 0.8 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 0.8 | 1.1 | 1.1 1.9 |
| Sassafras - Palm | 75.9 | 0.3 | 0.8 | 2.4 | 2.0 | 1 1 2 | 0.3 | 0.8 | 2.4 | 2.0 | 1 1 | 0.3 | 0.8 | 2.4 | 2.0 | 1.3 | 0.2 | 0.8 | 2.1 | 2.0 | 1 1 | 0.2 | 0.0 | 2.4 | 2.0 1.4 |
| Palm - Laurel | 75.9 | 0.3 | | 2.1 | | | | 0.6 | 2.1 | 1.9 | 1.4 | 0.3 | 0.6 | 2.1 | 1.8 | | 0.3 | 0.6 | 2.1 | 2.0 1.9 | | | | | 2.0 1.4 1.8 1.4 |
| Laurel - Hawthorn | 68.1 | -0.5 | | | | | | -0.1 | 2.1 | 1.4 | 1.4 1.6 | | -0.1 | 2.1 | 1.4 | 1.4 | | -0.1 | | | | | -0.1 | | 1.6 1.4 |
| Hawthorn - Grape | 68.8 | 0.6 | 1 1 | 2.2 | | | | 1 1 | 2.2 | 1.9 | 2.2 | 0.6 | 1.1 | 2.2 | 1.9 | 2.3 | 0.6 | 1.1 | 2.2 | | 2.2 | | | 2.2 | 1.9 2.2 |
| Laurel Street | 00.0 | 0.0 | 1.1 | 2.2 | . 1.8 | ų Z.S | 0.0 | 1.1 | ۷.۷ | 1.9 | ۷.۷ | 0.0 | 1.1] | ۷.۷ | 1.9 | ۷.٥ | 0.0 | 1.1 | ۷.۷ | 1.9 | ۷.۷ | 0.6 | [1.1] | ۷.۷ | 1.8 2.2 |
| Harbor - Pacific | 68.6 | 0.4 | Λ 0 | 1 2 | 1.1 | 0.7 | 0.3 | 0.9 | 1.2 | 1.1 | 0.9 | 0.3 | 0.9 | 1.2 | 1.1 | 0.9 | 0.3 | 0.9 | 1.2 | 1.1 | 0.9 | 0.3 | 0.9 | 1 1 | 1.1 0.9 |
| Pacific - Kettner | 69.7 | 0.4 | | | | _ | | 0.9 | 1.1 | 1.1 | 1.7 | 0.3 | 0.9 | 1.2 | 1.4 | | 0.3 | 0.9 | | | | | | | 1.3 1.7 |
| Kettner - I-5 | 72.1 | 0.4 | | 1.2 | 1.3 | | | 1.0 | 1.0 | 1.3 | 1.7 | 0.3 | 1.0 | 1.0 | 1.3 | 1.9 | 0.3 | 1.0 | 1.0 | | 1.9 | | | | 1.3 1.7 |
| Nimitz | 12.1 | ∪.+ | 1.1 | 1.1 | 1.5 | 1.3 | 0.5 | 1.0 | 1.0 | 1.4 | 1.3 | 0.5 | 1.0 | 1.0 | 1.5 | 1.3 | 0.5 | 1.0 | 1.0 | 1.2 | 1.3 | 0.5 | 1.0 | 1.0 | 1.0 1.8 |
| Harbor - Rosecrans | 64.9 | 0.1 | 0.4 | 1 1 | 1 2 | 2 0 | 0.0 | U 3 | 1 1 | 1 4 | 2 1 | 0.0 | U 3 | 1 1 | 1 3 | 2 1 | 0 N | U 3 | 1 1 | 1 / | 21 | 0.0 | U 3 | 1 1 | 1.3 2.0 |
| Harbor - Noscorans | U 1 .∂ | 0.1 | U. 1 | 1.1 | 1.0 | 1 2.0 | 0.0 | 0.5 | 1.1 | 1.7 | ۲.۱ | 0.0 | 0.0 | 1.1 | 1.5 | ۲.۱ | 0.0 | 0.0 | 1.1 | 1.4 | ۷.۱ | 0.0 | 0.5 | 1.1 | 1.0 2.0 |

| Decitic Highway | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Pacific Highway | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sassafras - Palm | 71.6 | 1.1 | 1.9 | 2.0 | 2.2 | | | | | | | 1.3 | | | | 1.3 | 1.3 | | | | | | | | | |
| Palm - Laurel | 72.1 | 1.1 | | _ | | | | | | | | 0.4 | | | | | | | | | | | 1.2 | | | |
| Laurel - Hawthorn | 70.5 | 1.5 | 2.3 | 2.8 | 3.2 | 2.5 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 |
| Palm Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 70.7 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 |
| Rosecrans | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barnett - Sport Arena | 72.1 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 |
| Nimitz - Barnett | 71.6 | -0.1 | 0.0 | -0.5 | -0.4 | -0.3 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 |
| Sassafras Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 70.1 | 1.4 | 2.1 | 2.2 | 2.6 | 1.4 | 1.7 | 2.4 | 2.4 | 2.8 | 1.8 | 1.6 | 2.4 | 2.4 | 2.8 | 1.8 | 1.7 | 2.4 | 2.4 | 2.8 | 1.8 | 1.8 | 2.4 | 2.5 | 2.8 | 1.8 |
| Washington Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 70.6 | 0.4 | 2.0 | 2.5 | 2.5 | 1.7 | 0.4 | 1.0 | 1.2 | 1.3 | 0.1 | 0.4 | 1.0 | 1.2 | 2.5 | 0.1 | 0.4 | 1.0 | 1.2 | 1.2 | 0.1 | 0.4 | 1.0 | 1.2 | 1.2 | 0.1 |
| I-8 Freeway | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Westbound 50 feet from Frontage Road | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centerline | 71.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 |
| Eastbound: 50 feet from Frontage Road | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Centerline | 72.1 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 |

| Peak Hour Road | l Traf | fic N | oise | | | e B-1 rease | | Alteri | nativ | e Co | mpa | red to | o No | Proj | ect | | | | | |
|-----------------------------|--------|-------|------|---------------------|------|------------------|------|--------|-------|-------|-------|--------|----------------|---------|------|--------|--------|--------------------|------|------|
| | | ı | ncre | ase i | n dB | A L _E | Coi | npar | ed N | o Pro | oject | (at 5 | 0 Fee | et to (| Cent | er Lin | e of I | Road |) | |
| | | | | Projec with Stri | | | | sed P | | | | | ninal <i>A</i> | | | East | | ninal A Plan wi | | |
| Roadways | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 |
| North Harbor Drive | | | | | ı | | 1 | | | | 1 | | | | | 1 | | | | |
| West of NTC | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| NTC - Spanish Landing | -0.6 | -0.6 | -0.6 | -0.5 | -0.5 | -0.5 | -0.6 | -0.6 | -0.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Spanish Landing - T2 Access | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 |
| T2 Access - Harbor Island | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Harbor Island - T1 Access | 0.3 | 0.4 | 0.6 | 0.6 | 0.7 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 |
| T1 Access - Winship | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | -0.6 | -0.6 | -0.6 | -0.6 | -0.4 | -0.6 | -0.6 | -0.6 | -0.6 | -0.4 |
| Winship - Rental Car Rd | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.5 | -0.5 | -0.5 | -0.4 | -0.4 | -0.5 | -0.5 | -0.5 | -0.5 | -0.4 |
| Rental Car Rd - Laurel | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Laurel - Hawthorn | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Hawthorn - Grape | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Grape Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Kettner - I-5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Hawthorne Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Kettner - I-5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| India Street | | | | | | 1 | | 1 | | | | | | | | | | | | |
| Laurel - Palm | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Palm - Sassafras | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Sassafras - Washington | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Kettner Blvd | | | | | | 1 | | 1 | | | | | | | | | | | | |
| Sassafras - Palm | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Palm - Laurel | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Laurel - Hawthorn | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hawthorn - Grape | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Laurel Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 |
| Kettner - I-5 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 |
| Nimitz | 1001 | | 0.0 | 0.0 | 0.4 | | 0.0 | | 0.0 | 0.4 | 0.0 | | 00 | 0.0 | | 100 | 0.0 | 0.0 | | |
| Harbor - Rosecrans | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |

| D 10 10 1 | | | | | | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| Pacific Highway | | | | | | | | | | | | | | | | | | | | |
| Sassafras - Palm | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| Palm - Laurel | -0.7 | -0.7 | -0.1 | 0.0 | 0.4 | -0.7 | -0.6 | -0.1 | 0.1 | 0.4 | -0.6 | -0.6 | -0.1 | 0.0 | 0.4 | -0.6 | -0.6 | -0.1 | 0.1 | 0.4 |
| Laurel - Hawthorn | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 |
| Palm Street | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rosecrans | | | | | | | | | | | | | | | | | | | | |
| Barnett - Sport Arena | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nimitz - Barnett | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sassafras Street | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| Washington Street | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pacific - Kettner | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 | 0.0 | -1.1 | -1.3 | 0.0 | -1.6 | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 |
| I-8 Freeway | | | | | | | | | | | | | | | | | | | | |
| Westbound 50 feet from Frontage Road Centerline | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastbound: 50 feet from Frontage Road Centerline | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Daily Roa | d Traffic C | NE | L In | cre | ase | | | | 13<u>16</u> ive (| | ıpar | ed t | o E | xisti | ng (| 200 | 5) C | ond | itio | n | | | | | | |
|-----------------------------|---|------|------|-------|------|------|------|-------|----------------------------------|--------|------|------|--------|-------|------------------|-------|------|-------|-------|--------|------|------|--------|--------|----------------|------|
| | | Inc | reas | se ir | n CN | NEL | Cor | npa | red | to E | xist | ting | (200 | 05) (| Con | ditic | ns | (at 5 | 0 F | eet 1 | to C | ente | r Lir | e of | Roa | ad) |
| | 2005 CNEL at 50 Feet to Center Line of | | No | Proj | ect | | | lemer | sed F ntation structur | Plan v | | | ementa | | Proje lan wit | | | Alte | ernat | Plan v | | | ementa | ernati | ive lan wit | |
| Roadways | Road | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 | 2030 |
| North Harbor Drive | | | | | | • | | | | | | • | | | | | | | | | | | | | • | |
| West of NTC | 71.3 | 0.4 | 1.0 | 1.7 | 2.0 | | 0.4 | 1.0 | 1.7 | 2.0 | 2.6 | | 1.0 | 1.7 | 2.0 | 2.6 | 0.4 | 1.0 | 1.7 | 2.0 | | 0.4 | | | | |
| NTC - Spanish Landing | 72.2 | 0.6 | 1.0 | 1.7 | 1.9 | 2.4 | 0.0 | 0.4 | 1.2 | 1.4 | 1.9 | 0.1 | 0.5 | 1.2 | 1.4 | 1.9 | 0.6 | 1.1 | 1.8 | | | | 1.1 | | | |
| Spanish Landing - T2 Access | 71.2 | 0.9 | 1.3 | 1.7 | 1.8 | 2.4 | 1.0 | 1.4 | 1.8 | 1.9 | 2.5 | 1.0 | 1.3 | 1.7 | 1.8 | 2.3 | 1.0 | 1.4 | 1.9 | 2.0 | 2.6 | 1.0 | 1.4 | | | 2.6 |
| T2 Access - Harbor Island | 73.6 | 0.2 | 0.7 | 1.0 | 1.1 | 1.5 | 0.4 | 1.0 | 1.5 | 1.6 | 2.0 | | 0.9 | 1.3 | 1.5 | 1.8 | 0.2 | 8.0 | 1.1 | 1.3 | | 0.2 | | | 1.3 | 1.7 |
| Harbor Island - T1 Access | 73.9 | 0.1 | | 0.6 | | | 0.5 | | | 1.4 | 1.6 | 0.5 | 8.0 | 1.0 | 1.3 | 1.4 | 0.5 | 8.0 | 1.0 | | | | | | | 1.5 |
| T1 Access - Winship | 74.7 | 0.4 | 8.0 | 1.1 | | | 0.6 | | 1.3 | 1.6 | 1.7 | 0.6 | 0.9 | 1.2 | 1.5 | 1.5 | | 0.2 | 0.5 | | | -0.2 | | | 8.0 | 1.0 |
| Winship - Rental Car Rd | 74.8 | 0.4 | | 1.2 | 1.3 | | | 0.9 | 1.3 | 1.5 | 1.6 | | 0.9 | 1.2 | 1.4 | 1.5 | -0.1 | 0.3 | 0.6 | | | | 0.3 | | 0.9 | 0.9 |
| Rental Car Rd - Laurel | 78.2 | 0.2 | | | | | 0.2 | | 1.1 | 1.2 | 1.3 | | 0.7 | 1.1 | | 1.3 | 0.2 | 0.7 | 1.1 | | | | | | | |
| Laurel - Hawthorn | 74.6 | 0.2 | | | | | | 0.6 | | 1.3 | 1.5 | | 0.6 | 1.0 | 1.2 | 1.4 | 0.1 | 0.6 | 1.0 | | 1.4 | | 0.6 | | 1.2 | 1.4 |
| Hawthorn - Grape | 74.1 | 0.1 | 0.5 | 8.0 | 1.0 | 1.1 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 | 0.1 | 0.5 | 8.0 | 1.1 | 1.2 |
| Grape Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 67.2 | 0.2 | 0.8 | 1.3 | 1.5 | 1.7 | 0.2 | 0.7 | 1.3 | 1.5 | 1.8 | 0.2 | 0.7 | 1.3 | 1.5 | 1.7 | 0.2 | 0.7 | 1.3 | | | | | 1.3 | | |
| Pacific - Kettner | 68.2 | 0.9 | 1.3 | 1.6 | 1.7 | 1.9 | 0.9 | 1.3 | 1.6 | 1.8 | 2.0 | 0.9 | 1.2 | 1.6 | 1.8 | 2.0 | 0.9 | 1.3 | 1.7 | 1.8 | 2.0 | 0.9 | 1.3 | 1.6 | 1.8 | |
| Kettner - I-5 | 70.8 | 8.0 | 1.0 | 0.9 | 1.1 | 1.4 | 0.7 | 1.0 | 0.9 | 1.1 | 1.5 | 8.0 | 1.0 | 0.9 | 1.1 | 1.5 | 0.7 | 1.0 | 0.9 | 1.1 | 1.5 | 0.7 | 1.0 | 0.9 | 1.1 | 1.5 |
| Hawthorne Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 67.4 | 0.2 | 8.0 | 1.3 | 1.5 | 1.7 | 0.2 | 8.0 | | 1.5 | 1.8 | 0.2 | 0.7 | 1.3 | 1.5 | 1.8 | 0.2 | 0.7 | 1.3 | | 1.8 | | 0.7 | | | |
| Pacific - Kettner | 67.4 | 0.2 | | 1.2 | 1.4 | 1.6 | 0.1 | 0.6 | | 1.4 | 1.7 | 0.1 | 0.6 | 1.1 | 1.4 | 1.7 | 0.1 | 0.6 | 1.2 | 1.4 | 1.7 | | | | | 1.7 |
| Kettner - I-5 | 71.4 | 0.3 | 8.0 | 1.2 | 1.4 | 1.7 | 0.3 | 8.0 | 1.2 | 1.4 | 1.8 | 0.3 | 8.0 | 1.1 | 1.4 | 1.8 | 0.3 | 8.0 | 1.2 | 1.4 | 1.8 | 0.3 | 8.0 | 1.1 | 1.4 | 1.8 |
| India Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laurel - Palm | 74.9 | 0.2 | | | | | | | 0.5 | | 1.4 | | | | | 1.4 | | | 0.5 | | | | | 0.5 | | |
| Palm - Sassafras | 75.1 | 0.0 | | | | 8.0 | | | | | 0.9 | | 0.7 | | | | 0.0 | 0.7 | 0.3 | | | | 0.7 | | | |
| Sassafras - Washington | 72.2 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 | 0.3 | 8.0 | 1.1 | 1.1 | 1.9 |
| Kettner Blvd | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sassafras - Palm | 76.4 | 0.3 | 8.0 | 2.1 | 2.0 | 1.2 | 0.3 | 8.0 | 2.1 | 2.0 | 1.4 | 0.3 | 8.0 | 2.1 | 2.0 | 1.3 | 0.3 | 8.0 | 2.1 | 2.0 | 1.4 | 0.3 | | | | 1.4 |
| Palm - Laurel | 71.7 | 0.2 | 0.7 | 2.2 | 1.8 | 1.3 | 0.1 | 0.7 | 2.1 | 1.9 | 1.4 | 0.1 | 0.7 | 2.1 | 1.8 | 1.4 | 0.1 | 0.7 | 2.1 | 1.9 | 1.4 | 0.1 | 0.6 | 2.1 | 1.8 | |
| Laurel - Hawthorn | 68.6 | -0.5 | 0.0 | 2.2 | 1.4 | 1.6 | -0.5 | -0.1 | 2.2 | 1.4 | 1.6 | -0.5 | -0.1 | 2.2 | 1.4 | 1.6 | -0.5 | -0.1 | 2.2 | 1.4 | 1.6 | -0.5 | -0.1 | | 1.4 | 1.6 |
| Hawthorn - Grape | 69.3 | 0.6 | 1.1 | 2.2 | 1.9 | 2.3 | 0.6 | 1.1 | 2.2 | 1.9 | 2.2 | 0.6 | 1.1 | 2.2 | 1.9 | 2.3 | 0.6 | 1.1 | 2.2 | 1.9 | 2.2 | 0.6 | 1.1 | 2.2 | 1.9 | 2.2 |
| Laurel Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 69.1 | 0.4 | 0.9 | 1.2 | 1.1 | 0.7 | 0.3 | 0.9 | | 1.1 | 0.9 | | 0.9 | 1.2 | 1.1 | 0.9 | 0.3 | 0.9 | 1.2 | | | | | | 1.1 | |
| Pacific - Kettner | 70.2 | 0.4 | 1.0 | 1.2 | 1.3 | 1.6 | 0.3 | 0.9 | 1.1 | 1.3 | 1.7 | 0.3 | 0.9 | 1.2 | 1.4 | 1.7 | 0.3 | 0.9 | 1.1 | 1.4 | 1.7 | 0.3 | 0.9 | 1.1 | 1.3 | |
| Kettner - I-5 | 72.6 | 0.4 | 1.1 | 1.1 | 1.3 | 1.9 | 0.3 | 1.0 | 1.0 | 1.2 | 1.9 | 0.3 | 1.0 | 1.0 | 1.3 | 1.9 | 0.3 | 1.0 | 1.0 | 1.2 | 1.9 | 0.3 | 1.0 | 1.0 | 1.3 | 1.9 |
| Nimitz | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Harbor - Rosecrans | 65.4 | 0.1 | 0.4 | 1.1 | 1.3 | 2.0 | 0.0 | 0.3 | 1.1 | 1.4 | 2.1 | 0.0 | 0.3 | 1.1 | 1.3 | 2.1 | 0.0 | 0.3 | 1.1 | 1.4 | 2.1 | 0.0 | 0.3 | 1.1 | 1.3 | 2.0 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Pacific Highway | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sassafras - Palm | 72.1 | 1.1 | 1.9 | 2.0 | 2.2 | 1.3 | 1.3 | 2.0 | 2.0 | 2.3 | 1.3 | 1.3 | 2.0 | 2.0 | 2.3 | 1.3 | 1.3 | 2.0 | 2.0 | 2.3 | 1.3 | 1.3 | 2.0 | 2.0 | 2.3 | 1.3 |
| Palm - Laurel | 72.6 | 1.1 | 1.8 | | | 1.0 | | | | 2.1 | | 0.4 | | | 2.1 | | 0.4 | | | 2.1 | | | 1.2 | | | 1.5 |
| Laurel - Hawthorn | 71.0 | 1.5 | 2.3 | 2.8 | 3.2 | 2.5 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 | 2.2 | 2.9 | 3.4 | 3.7 | 3.2 |
| Palm Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 71.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 |
| Rosecrans | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barnett - Sport Arena | 72.6 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 | -0.2 | 0.1 | -0.7 | -0.6 | -0.3 |
| Nimitz - Barnett | 72.1 | -0.1 | 0.0 | -0.5 | -0.4 | -0.3 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 | -0.1 | -0.1 | -0.5 | -0.4 | -0.2 |
| Sassafras Street | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 70.6 | 1.4 | 2.1 | 2.2 | 2.6 | 1.4 | 1.7 | 2.4 | 2.4 | 2.8 | 1.8 | 1.6 | 2.4 | 2.4 | 2.8 | 1.8 | 1.7 | 2.4 | 2.4 | 2.8 | 1.8 | 1.8 | 2.4 | 2.5 | 2.8 | 1.8 |
| Washington Street | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pacific - Kettner | 71.1 | 0.4 | 2.0 | 2.5 | 2.5 | 1.7 | 0.4 | 1.0 | 1.2 | 1.3 | 0.1 | 0.4 | 1.0 | 1.2 | 2.5 | 0.1 | 0.4 | 1.0 | 1.2 | 1.2 | 0.1 | 0.4 | 1.0 | 1.2 | 1.2 | 0.1 |
| I-8 Freeway | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Westbound 50 feet from Frontage Road | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centerline | 71.9 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 |
| Eastbound: 50 feet from Frontage Road Centerline | 72.6 | 0.1 | -0.1 | -0.4 | -0.4 | -0.4 | -0.4 | -0.1 | -0.4 | -0.3 | -0.4 | -0.4 | -0.1 | -0.4 | -0.3 | -0.4 | -0.4 | -0.1 | -0.4 | -0.3 | -0.4 | -0.4 | -0.1 | -0.4 | -0.3 | -0.4 |

| Daily Road | Trafi | ïc Cl | NEL | | | e B- 1 by Al | _ | ative | Con | ıpar | ed to | No I | roje | ct | | | | | | |
|-----------------------------|-------|--------|-------|--------|-------|----------------------------|-------|-------|--------|---------|--------|-------|--------|-------|-------|------|-------|------|----------------------|------|
| | | | Incre | ease | in Cl | NEL (| Comp | oared | d No | Proj | ect (a | at 50 | Feet | to Ce | enter | Line | of Ro | oad) | | |
| | F | Propos | ed P | roject | cture | P | ropos | sed P | roject | ructure | East | | inal A | | | | | | Alterna thout Str | |
| Roadways | | | | | | | | | | | | 2015 | 2020 | 2025 | 2030 | 2010 | 2015 | 2020 | 2025 2 | 2030 |
| North Harbor Drive | 2010 | 2010 | 2020 | 2020 | 2000 | 2010 2 | -010[| 2020 | 2020 [| 2000 | 2010 | 2010 | 2020 [| 2020 | 2000 | 2010 | 2010 | 2020 | 2020 2 | 2000 |
| West of NTC | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| NTC - Spanish Landing | -0.6 | -0.6 | -0.6 | -0.5 | -0.5 | -0.5 | -0.6 | -0.6 | -0.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Spanish Landing - T2 Access | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 |
| T2 Access - Harbor Island | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Harbor Island - T1 Access | 0.3 | 0.4 | 0.6 | 0.6 | 0.7 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 |
| T1 Access - Winship | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | -0.6 | -0.6 | -0.6 | -0.6 | -0.4 | -0.6 | -0.6 | -0.6 | -0.6 | -0.4 |
| Winship - Rental Car Rd | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.5 | -0.5 | -0.5 | -0.4 | -0.4 | -0.5 | -0.5 | -0.5 | -0.5 | -0.4 |
| Rental Car Rd - Laurel | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Laurel - Hawthorn | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Hawthorn - Grape | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Grape Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Kettner - I-5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Hawthorne Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Kettner - I-5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| India Street | | | | | | | | | | | | | | | | | | | | |
| Laurel - Palm | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Palm - Sassafras | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Sassafras - Washington | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Kettner Blvd | | | | | | | | | | | | | | | | | | | | |
| Sassafras - Palm | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Palm - Laurel | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Laurel - Hawthorn | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hawthorn - Grape | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Laurel Street | | | | | | | | | | | | | | | | | | | | |
| Harbor - Pacific | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Pacific - Kettner | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 |
| Kettner - I-5 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 |
| Nimitz | 11 | | | | 1 | | | | | 1 | | | | | | | 1 | | | |
| Harbor - Rosecrans | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Pacific Highway | | | | | | | | | | | | | | | | | | | | |

| Sassafras - Palm | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
|--|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| Palm - Laurel | | -0.7 | -0.1 | 0.0 | 0.4 | -0.7 | -0.6 | -0.1 | 0.1 | 0.4 | -0.6 | -0.6 | -0.1 | 0.0 | 0.4 | -0.6 | -0.6 | -0.1 | 0.1 | 0.4 |
| Laurel - Hawthorn | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 |
| Palm Street | | | - | | | | | - | | | | | | | | | | | | |
| Pacific - Kettner | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rosecrans | • | | | | | - | | | | | | | | | | | | • | | |
| Barnett - Sport Arena | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nimitz - Barnett | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sassafras Street | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| Washington Street | | | | | | | | | | | | | | | | | | | | |
| Pacific - Kettner | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 | 0.0 | -1.1 | -1.3 | 0.0 | -1.6 | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 | 0.0 | -1.1 | -1.3 | -1.3 | -1.6 |
| I-8 Freeway | | | | | | | | | | | | | | | | | | | | |
| Westbound 50 feet from Frontage Road Centerline | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastbound: 50 feet from Frontage Road Centerline | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 |

APPENDIX C

SIMMOD Technical Report

San Diego International Airport Master Plan and Environmental Analysis

Existing and Alternative Airfield Simulation Assumptions and Results

March 2006



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1 EXISTING AND ALTERNATIVE AIRFIELD SIMULATION ASSUMPTIONS AND RESULTS

The following report presents a summary of the simulation work that was performed in support of the San Diego International Airport (SDIA) Master Plan study consisting of an Environmental Analysis (EA) and Environmental Impact Report (EIR). Modeling assumptions and analysis results are presented for the current airfield configuration, or "No Action" case, as well as the proposed East and West Build options in which terminal additions provide for new airline gates. Each of these two terminal additions will allow the airport to accommodate a projected increase in passenger and cargo demand in the years 2010 and 2015. The impact of each of these alternatives was measured using Simmod *PRO!* simulation models for the East and West Build options in comparison to the No Action case at SDIA. The simulation output was used to analyze runway capacity and delay as well as assess the impact of specific constraints imposed by the airfield procedures. Simulation output specific for emission analyses, including delay, idle time, and runway queue time, were provided.

1.1 AIRFIELD OVERVIEW

As shown in **Figure 1**, the airfield at SDIA consists of a single runway, Runway 09/27, which extends 9,400 feet and is complemented by a full-length parallel taxiway to the south and a partial parallel taxiway to the northeast of the runway. Runway 09 has a displaced threshold of 700 feet and has precision approach capability while the displaced threshold of Runway 27 measures 1,810 feet and does feature precision approach capability. The airport is operated in two distinct modes: westbound with arrivals and departures on Runway 27 exclusively, and eastbound with arrivals on Runway 09 and departures on both Runways 09 and 27.

The mode of operation at SDIA is determined primarily by ceiling and visibility weather conditions. Runway 09 is equipped with an Instrument Landing System (ILS) with weather minima of 400 feet for ceilings and 1 mile for visibility. Runway 27 has a localizer with weather minima of 700 feet for ceilings and 2 miles for visibility. As a result, when the cloud ceiling drops below 700 feet or when visibility drops below 2 miles, Runway 27 is unavailable for arrivals. During those times that low ceilings/visibilities force the use of Runway 09 for arrivals, not all aircraft have sufficient climb performance to utilize Runway 09 for departure, and pilots often request Runway 27 for departure.



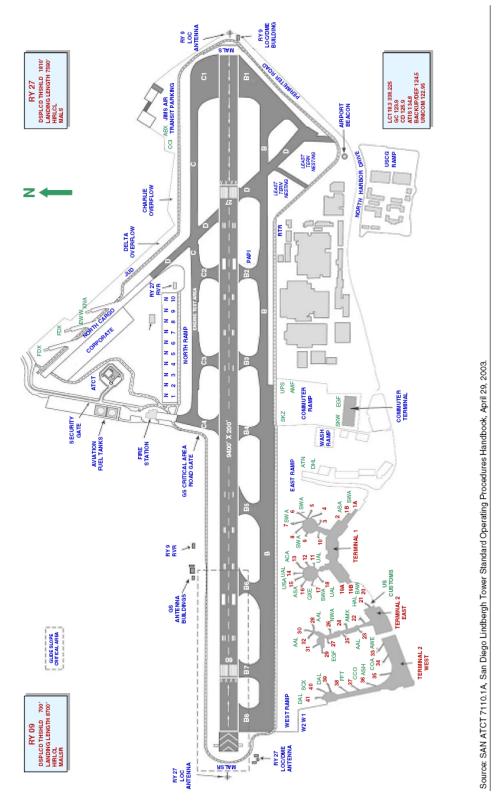


Figure 1: SDIA Airfield Layout

1.2 GENERAL MODELING ASSUMPTIONS

This section contains a summary of all general assumptions that were made in the development of the airfield and airspace computer simulation models for SDIA and presents analysis results from these models.

Weather data collected by the National Climatic Data Center between the years 1974 and 2004 was analyzed to determine the use of the runway system at SDIA. For the 2005 Master Plan study, three runway operating configurations were simulated to account for variations in capacity due to wind and weather conditions. **Table 1** presents the occurrence of these current operating conditions at SDIA on an annual basis and summarizes the runway operating configurations that were modeled.

Table 1: SDIA Annual Airport Operations

| Operating Conditions | Percent Occurrence |
|------------------------------------|--------------------|
| West Flow VFR | 73.4% |
| West Flow IFR | 23.3% |
| East Flow IFR – Runway 09 or 09/27 | 3.3% |

The predominant operating configuration at SDIA is the West flow under Visual Flight Rules (VFR) which uses visual arrival approaches and accounts for 73.4% of the total annual operations. In addition, a more restrictive West flow configuration using the Runway 27 localizer approach is utilized under Instrument Flight Rules (IFR) weather conditions and accounts for 23.3% of all operations. Finally, SDIA operates with the East flow under IFR conditions for approximately 3.3% of the annual airport operations.

Each of these three runway operating conditions was modeled for the No Action case and demand schedule in 2005 as well as for projected demand in the years 2010 and 2015. It should also be noted that SDIA has a noise curfew that prohibits departures between the hours of 11:30PM and 6:30AM. This prevents the operating day at SDIA from expanding into other hours and it was assumed that this curfew will remain in place under all future scenarios.

1.2.1 Airspace

To simulate the movements of aircraft in the model, Simmod *PRO!* utilizes node and link structures to create paths traversed by these aircraft. Ground links, which represent the ground tracks of the aircraft on the airfield, can be accurately modeled since the paths of these aircraft are constrained to existing taxiways and aprons at the airport. Thus duplicating these paths as links would result in a fairly accurate representation of the ground route structures. However, unlike the ground routes, air routes are more difficult to model since no two aircraft trajectories



are identical. Consequently the simulation airspace is designed to capture an approximate air traffic flow of these aircraft.

The airspace and airfield analysis for SDIA considered the typical airspace routes used when operating on Runways 09 and 27. Flight tracks were generated from the FAA's Performance Data Analysis and Reporting System (PDARS) and this information was used to validate assumptions regarding flight paths, aircraft altitudes, aircraft approach speeds, and airspace route assignments. For example, based on an analysis of radar data performed by the FAA, aircraft approaching Runway 09 typically turn onto final approximately 12 nautical miles (NM) from the runway end, while aircraft approaching Runway 27 typically turn onto final approximately 9 NM from the runway end. **Figure 2** presents a graphical representation of the PDARS analysis of SDIA arrivals and departures using Runway 27.

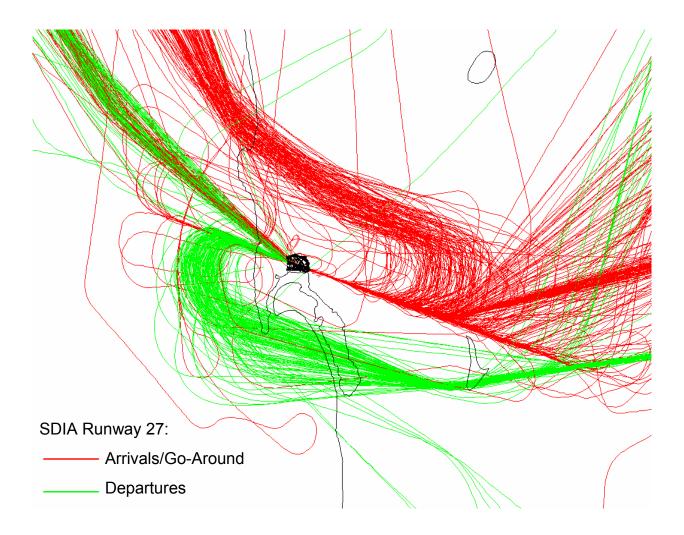


Figure 2: PDARS Radar Data at SDIA

As shown in **Figure 3**, several Standard Terminal Arrival Routes (STARs) and Standard Instrument Departures (SIDs) were used to represent the typical airspace routes followed when operating on Runway 27. A STAR is a pre-planned IFR ATC arrival procedure published for pilot use, while a SID is a similar procedure for departures. Approximately two-thirds of all Runway 27 arrivals use the BARET FOUR arrival procedure which accommodates most aircraft from the Midwest and the East Coast, while one-third use the HUBRD ONE procedure which receives most of the arrivals from California and other West Coast airports. The split is similar for Runway 27 departures, with West Coast departures utilizing the PEBLE THREE departure route and the remaining departures using the BORDER FIVE procedure.

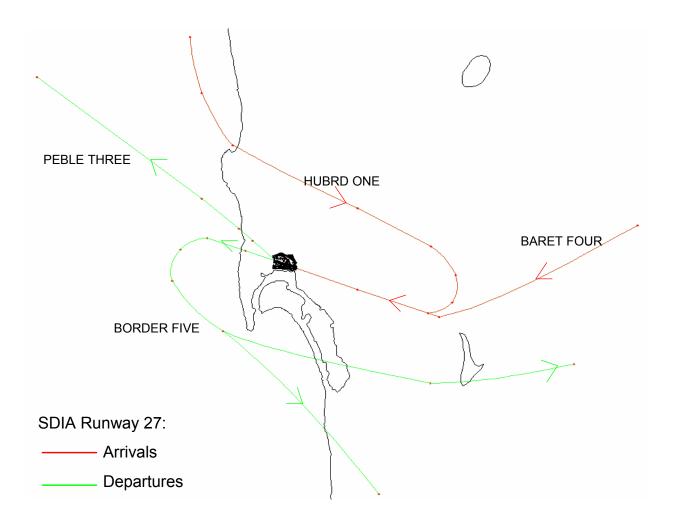


Figure 3: Modeled Flight Tracks at SDIA Runway 27

The modeled STARs and SIDs for Runway 09 are shown in **Figure 4.** Similarly to the West flow, roughly two-thirds of all arrivals use the BARET FOUR procedure which accommodates most aircraft from the Midwest and the East Coast, while one-third approach from the Northwest. Both of these arrival routes intercept a common Initial Approach Fix (IAF) and follow the ILS RWY 09 approach. The arrival route split is similar for Runway 09 departures, with West Coast departures utilizing the LNSAY TWO departure route and the remaining departures using the BORDER FIVE procedure for Midwest and East Coast destinations.

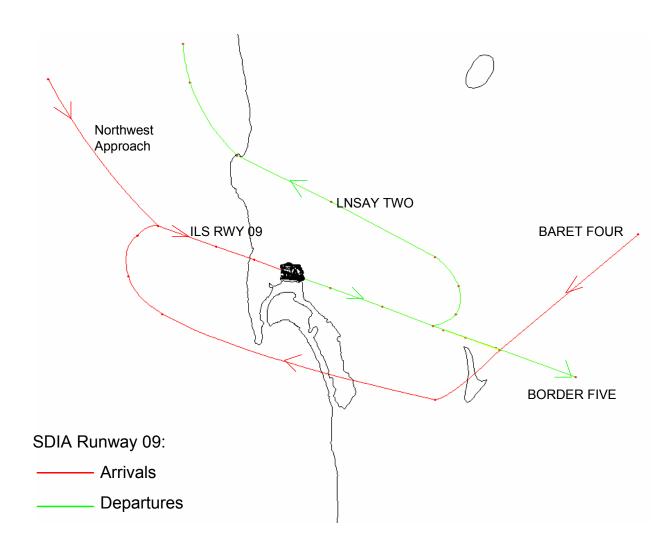


Figure 4: Modeled Flight Tracks at SDIA Runway 09

1.2.2 Aircraft Separations

Standard radar separations applied in this modeling effort conform to the criteria contained in the FAA Order 7110.65P, Air Traffic Control. This document defines the minimum separation requirements between aircraft of different weight classes operating in different sequences: an arrival followed by another arrival, an arrival followed by a departure, and a departure followed by another departure. In addition, buffers were added to the separation requirements to represent the fact that controllers rarely maintain the absolute minimum separation distance, and typically allow additional spacing.

FAA Air Traffic Control (ATC) place aircraft into one of four possible categories as defined below:

• Heavy: Gross weight greater than 255,000 lbs

• B757: Boeing 757 series aircraft

• Large: Gross weight greater than 41,000 lbs but less than 255,000 lbs

• Small: Gross weight less than 41,000 lbs

Based on the aircraft's category, general airspace wake turbulence separations in nautical miles would apply as presented below:

- Heavy behind heavy 4 miles
- Large/heavy behind B757 4 miles
- Small behind B757 5 miles
- Small/large behind heavy 5 miles

Based on the aircraft's category, final approach wake turbulence separations in nautical miles that exist when the lead aircraft is over the landing threshold are shown below:

- Heavy behind heavy 4 miles
- Large/heavy behind B757 4 miles
- Large behind heavy 5 miles
- Small behind large 4 miles
- Small behind B757 5 miles
- Small behind heavy 6 miles

During periods when visual separations are allowed at SDIA, ATC uses as little as 2.5 NM separation between aircraft established on the final approach within 10 NM of the landing runway. **Table 2** presents the minimum final approach visual separation values allowed by aircraft category as used in the model. These separation values are derived from the collected radar data encountered during visual weather conditions (VFR).



Table 2: Minimum Final Approach Visual Separation (NM) at SDIA

| | Trailing Aircraft | | | | | | | |
|---------------|-------------------|-------|-------|-------|--|--|--|--|
| Lead Aircraft | B757 | Heavy | Large | Small | | | | |
| B757 | 2.9 | 2.9 | 2.9 | 3.7 | | | | |
| Heavy | 3.6 | 2.9 | 3.6 | 4.5 | | | | |
| Large | 2.5 | 2.5 | 2.5 | 2.7 | | | | |
| Small | 2.5 | 2.5 | 2.5 | 2.5 | | | | |

1.2.3 Airfield

Figure 5 shows the layout of the SDIA airfield and airline terminals. The Commuter Terminal features four gates that provide access to the ramp and ten aircraft parking positions. Terminal 1 features twenty gates spread over two rotunda while Terminal 2 features twenty-two gates, thirteen of which are located in the original Terminal 2 East building and nine in the more recent Terminal 2 West addition. For the future 2010 and 2015 scenarios, gate assignments were forecasted and provided by HNTB Corporation. Airlines were assumed to operate from the same terminals as in 2005 but gate assignments were selected to ensure a balanced use of all gates.

The taxiway system at SDIA links the runway to the gate and apron areas. The airport features a single, full-length parallel taxiway, Taxiway B, on the south side of the runway. Due to its proximity to both the runway and the terminals, there is insufficient room for dual taxi lanes.

The runway exits at SDIA and their utilization can impact runway occupancy times and airport capacity significantly. The runway has seven exits on the South side and four exits on the North side, as show in **Figure 5**. Two of these – Exits B5 and B6 – are angled taxiways that serve Runway 27 arrivals and reduce runway occupancy times when operating to the west. They are located approximately 4,500 feet and 5,600 feet from the Runway 27 threshold, respectively.



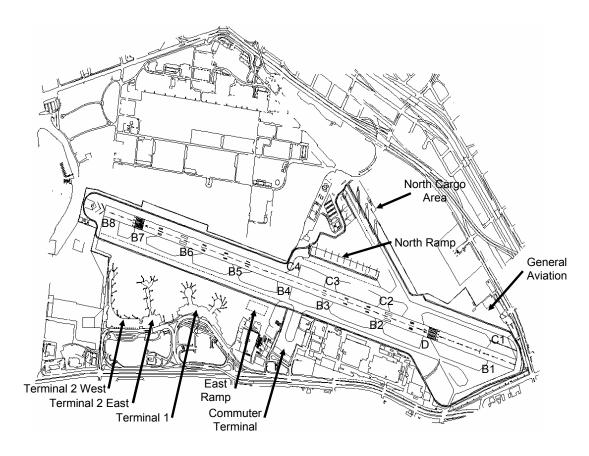


Figure 5: SDIA Airfield Terminals

1.2.3.1 West Flow

The SDIA airfield is typically operated in a westbound mode, with arrivals to and departures from Runway 27. This configuration is the most efficient mode of operation and offers the highest hourly capacity for two primary reasons. First, in terms of arrival capacity, runway exits are more efficient in the westerly direction. Exits B5 and B6 as shown in **Figure 5**, for example, are angled exits that reduce runway occupancy times for arrivals. Second, in terms of departure capacity, the westerly operation provides diverging departure routes immediately after the runway end. While aircraft following one another on a single route must maintain in-trail separations of three to five miles, an aircraft using a diverging route of 15 degrees or greater requires only one mile of separation from the previous departure (*FAA Order 7110.65P*, 5-8-3, 3a).

Certain flights require an aircraft to tug from a Remain Over Night (RON) parking location such as a departure to an open gate. For departure tug operations from the North Ramp area to Terminals 1 and 2, aircraft are first towed across Taxiway C4, into and out of the East Ramp apron area to allow the passing of aircraft moving in the East direction towards the Commuter Terminal or the departure queue, and then along Taxiway B against regular taxi flow.

Due to obstruction clearance, Group 5 and 6 aircraft are prohibited from operating on Taxiway B between the B4 and D crossings, and on Taxiway C between D and C1. The net result of these



restrictions is that Group 5 and 6 aircraft departing Terminals 1 and 2 must taxi to the departure queue using the following procedure: taxi East via Taxiway B; cross Runway 27 at B4; taxi East via Taxiway C to Taxiway D; cross Runway 27 via Taxiway D; taxi via Taxiway B1 to the Runway 27 departure queue. Departure taxi flow procedures are illustrated in **Figure 6**.

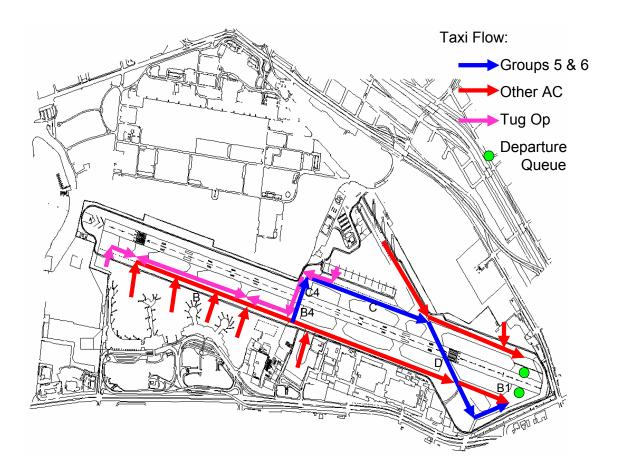


Figure 6: SDIA West Flow Departure Taxi Flow

When operating to the west, the majority of runway arrivals use Exits B4 through B7 with exit utilization dependent upon both aircraft performance and destination terminal. While heavier aircraft generally require greater landing distances and use exits further down the runway, airline terminal locations also have an impact on runway exit choice. In order to reduce taxi conflict, the West flow model was designed such that arriving aircraft exit the runway from a taxi path located to the West of their destination terminal. For example, Southwest Airlines operates from the east rotunda of Terminal One, and therefore frequently uses Exit B5, which is adjacent to their gates. On the other hand, American Airlines operates from Terminal Two and its flights frequently roll further down the runway to Exits B6 and B7, which are closer to its gates. Arrival taxi flow procedures are illustrated in **Figure 7**.

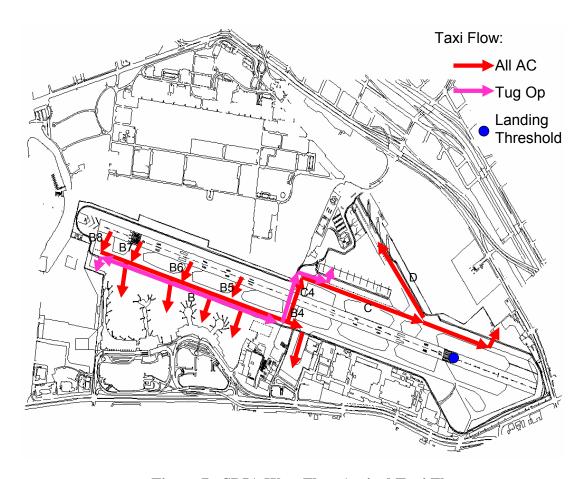


Figure 7: SDIA West Flow Arrival Taxi Flow

1.2.3.2 East Flow

Under the East flow, aircraft taxi westbound along Taxiway B to the departure queue. Aircraft departing from the North airfield areas taxi along Taxiway C, as well as Taxiway D for cargo aircraft, and then cross Runway 09 at C4 to join the aircraft taxi flow along Taxiway B.

Departure taxi flow procedures are illustrated in Figure 8.



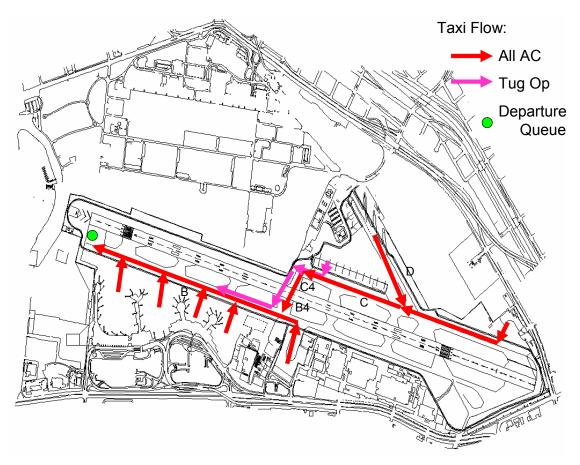


Figure 8: SDIA East Flow Departure Taxi Flow

Arriving aircraft may exit the runway on either side along Taxiway B or Taxiway C.

Arrival taxi flow procedures are illustrated in Figure 9.

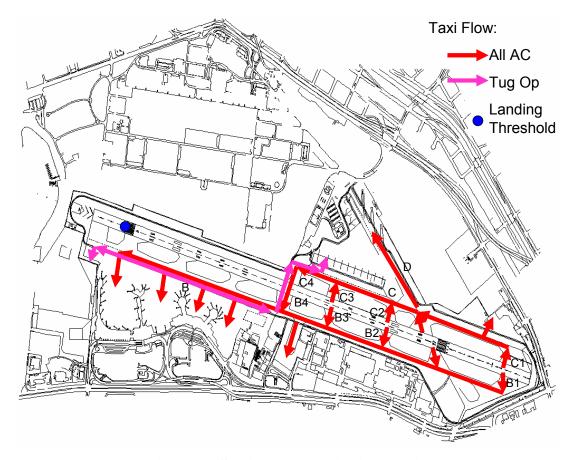


Figure 9: SDIA East Flow Arrival Taxi Flow

1.3 SIMULATION EVENT FILES

The simulation event files are representative of a typical day at SDIA. Aircraft in this demand schedule are grouped into one of eight groups. They are defined as:

- B757 Boeing 757, all models
- Heavy Jet Jet aircraft with a maximum gross takeoff weight limit greater than 255,000 pounds (e.g., 777, 747)
- Large Jet Jet aircraft with a maximum gross takeoff weight limit greater than 41,000 pounds and less than 255,000 pounds (e.g., 727, 737, A320)
- Large Turboprop Large turbine-propeller and piston-propeller powered aircraft with a maximum gross takeoff weight limit greater than 41,000 pounds (e.g., C130)
- Small Jet Jet aircraft with a maximum gross takeoff weight limit less than 41,000 pounds (e.g., Learjet 60)



- Small Turboprop Small turbine-propeller and piston-propeller driven aircraft with a maximum gross takeoff weight limit between 12,000 and 41,000 pounds (e.g., E120)
- Small Twin Piston Small twin piston-propeller powered aircraft with a maximum gross takeoff weight limit less than 12,000 pounds (e.g., C414)
- Small Single Piston Small single piston-propeller powered aircraft with a maximum gross takeoff weight limit less than 12,000 pounds (e.g., BE36)

1.3.1 Air Operations

Table 3 illustrates operational counts for a typical day at SDIA by the above defined aircraft groups in the demand schedule year of 2005.

Table 3: Daily Operation Totals by Aircraft Type at SDIA in 2005

| | 2005 Event File | | | | | |
|---------------------|-----------------|------------|--|--|--|--|
| Aircraft Type | Arrivals | Departures | | | | |
| Boeing 757's | 21 | 21 | | | | |
| Heavy Jet | 11 | 11 | | | | |
| Large Jet | 206 | 206 | | | | |
| Large Turboprop | 19 | 19 | | | | |
| Small Jet | 7 | 7 | | | | |
| Small Single-Engine | 1 | 1 | | | | |
| Small Turboprop | 20 | 20 | | | | |
| Small Twin-Engine | 2 | 2 | | | | |
| Total | 287 | 287 | | | | |

Figure 10 presents hourly airport runway demands for all aircraft in the 2005 demand schedule year.



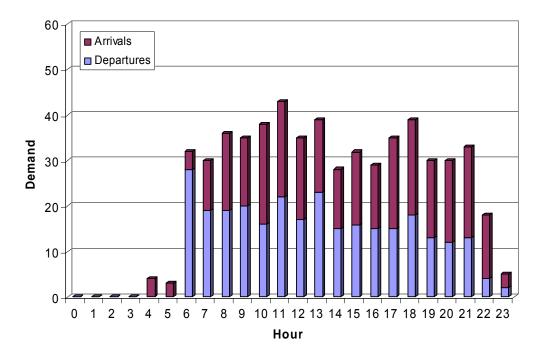


Figure 10: Hourly Demand at SDIA in 2005

Table 4 illustrates operational counts for a typical day at SDIA in the demand schedule year of 2010.

Table 4: Daily Operation Totals by Aircraft Type at SDIA in 2010

| | 2010 Event File | | | | | |
|---------------------|-----------------|-------------------|--|--|--|--|
| Aircraft Type | Arrivals | Departures | | | | |
| Boeing 757's | 12 | 12 | | | | |
| Heavy Jet | 13 | 13 | | | | |
| Large Jet | 275 | 275 | | | | |
| Large Turboprop | 0 | 0 | | | | |
| Small Jet | 6 | 6 | | | | |
| Small Single-Engine | 0 | 0 | | | | |
| Small Turboprop | 6 | 6 | | | | |
| Small Twin-Engine | 0 | 0 | | | | |
| Total | 312 | 312 | | | | |

Figure 11 presents hourly airport runway demands for all aircraft in the 2010 demand schedule year.



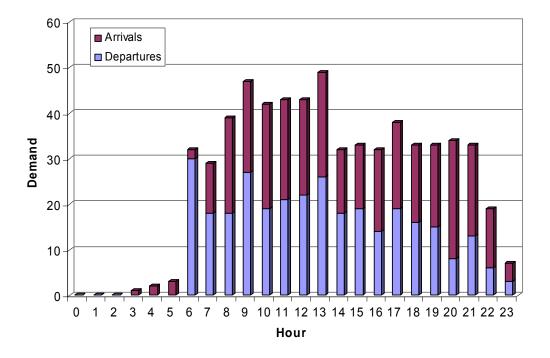


Figure 11: Hourly Demand at SDIA in 2010

Table 5 illustrates operational counts for a typical day at SDIA in the demand schedule year of 2015.

Table 5: Daily Operation Totals by Aircraft Type at SDIA in 2015

| | 2015 Event File | | | | | |
|---------------------|-----------------|------------|--|--|--|--|
| Aircraft Type | Arrivals | Departures | | | | |
| Boeing 757's | 15 | 15 | | | | |
| Heavy Jet | 18 | 18 | | | | |
| Large Jet | 312 | 312 | | | | |
| Large Turboprop | 0 | 0 | | | | |
| Small Jet | 7 | 7 | | | | |
| Small Single-Engine | 0 | 0 | | | | |
| Small Turboprop | 6 | 6 | | | | |
| Small Twin-Engine | 0 | 0 | | | | |
| Total | 358 | 358 | | | | |

Figure 12 presents hourly airport runway demands for all aircraft in the 2015 demand schedule year.



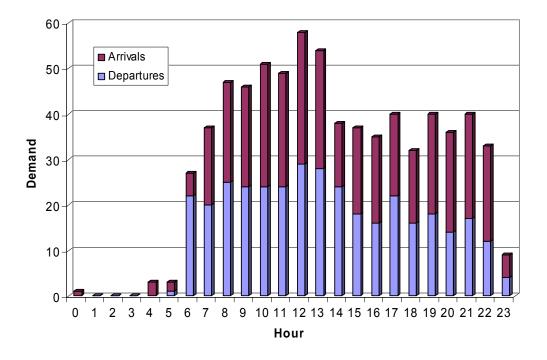


Figure 12: Hourly Demand at SDIA in 2015

1.3.2 Tug Operations

Tug operations were determined from the SDIA demand schedules and gate assignments; they are summarized in **Table 6**. Tug "Out of Gate" operations refer to arrival flights that are towed from their final destination gate to a RON location while tug "Into Gate" operations refer to departure flights that are towed to the departure gate for boarding.

Table 6: Tug Operations at SDIA

| | 2005 | | 201 | .5 | | |
|----------------|-------------|-----------|-------------|-----------|-------------|-----------|
| Airport Layout | Out of Gate | Into Gate | Out of Gate | Into Gate | Out of Gate | Into Gate |
| No Action | 17 | 14 | 16 | 15 | 19 | 22 |
| T1 East Build | | | 15 | 13 | 18 | 11 |
| T2 West Build | | | 15 | 14 | 20 | 22 |



1.4 AIRFIELD CONFIGURATIONS

1.4.1 No Action Case

The SDIA airfield layout and ground procedures were presented in **Section 1.2.3**. The Simmod *PRO!* ground network for the No Action airfield configuration is presented in **Figure 13**. Included in the figure are the ground links and nodes as well as airline gates.



Figure 13: SDIA No Action Case

1.4.2 North Cargo Area

Under the proposed T1 East and T2 West Build options, all cargo aircraft operations at SDIA would take place in the North Cargo area, as shown in **Figure 14**. In addition, General Aviation aircraft are moved further north along the proposed Group V Taxiway.

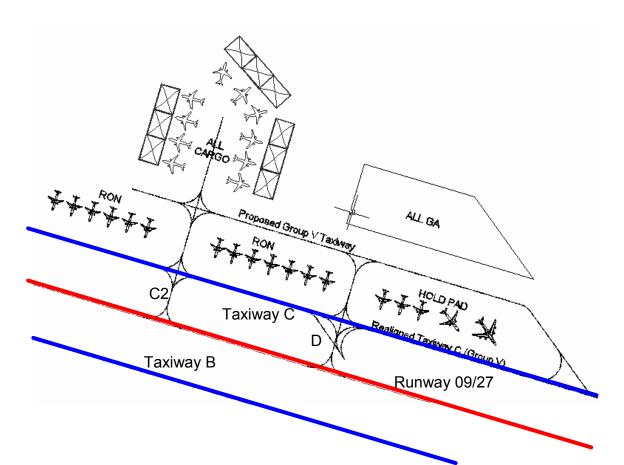


Figure 14: SDIA Future North Cargo Area

1.4.3 T1 East Build

Under the T1 East Build option, a new terminal building is constructed at the current East Ramp area between the East rotunda of Terminal 1 and the Commuter Terminal, as shown in **Figure 15**. Twelve gates are added to the new terminal building and existing Gates 1, 2, and 3 are removed from Terminal 1. In addition, three new gates are added to the West side of Terminal 2 West and another apron area is created to accommodate eight RON aircraft, as shown in **Figure 16**.



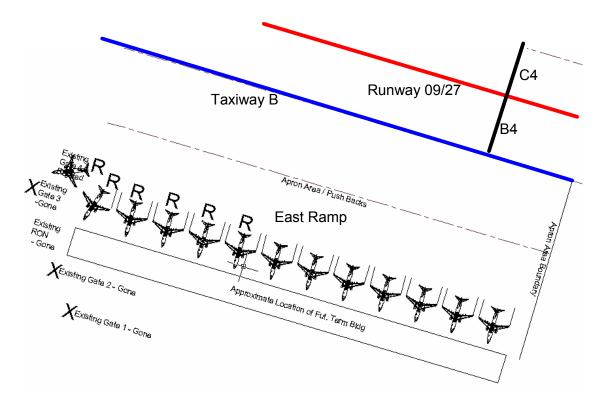


Figure 15: SDIA T1 East Build New Terminal

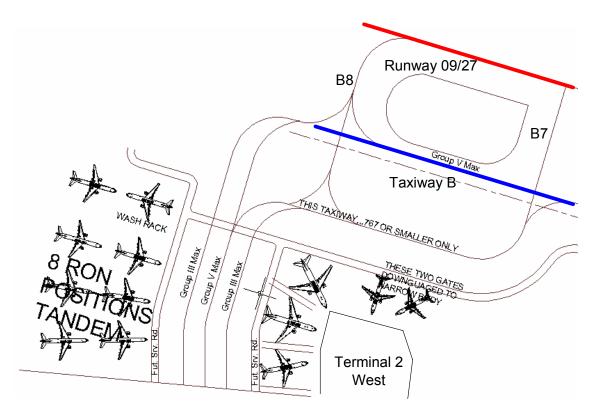


Figure 16: SDIA T1 East Build Terminal 2 West Addition

1.4.4 T2 West Build

Under the T2 West Build option, ten gates are added to the West side of Terminal 2 West and another apron area is created to accommodate twelve RON aircraft, as shown in **Figure 17**.

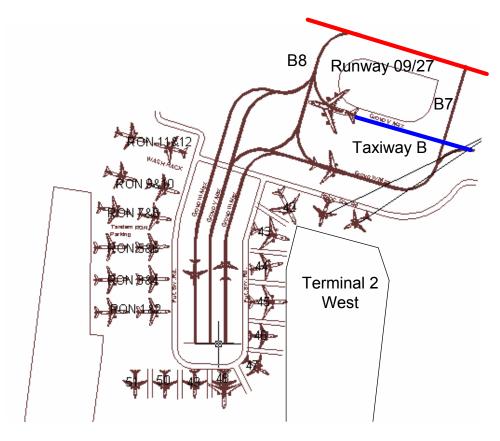


Figure 17: SDIA T2 West Build

1.5 SIMULATION RESULTS

The simulation models for SDIA were developed using the demand forecasts provided by HNTB Corporation. The models represent gated constrained forecasts for SDIA in the years 2005, 2010 and 2015. In each of the three years, the three different airport operational configurations of SDIA were modeled to better reflect the fluid nature of the weather systems and their impact on the airport operations. This section describes various output statistics of the Simmod *PRO!* models under the three different weather conditions, using the three airfield alternatives in the 2010 and 2015 demand years. The No Action alternative was modeled for the 2005 demand year in addition to the 2010 and 2015 demand years.

1.5.1 Arrival Operations

Table 7 presents average arrival times in the simulation under the three operating configurations.

The airspace travel times include time spent on the airspace routes from the injection into the simulation to the runway touchdown point. The times include any airspace delays that occur due to aircraft sequencing. In east flow, arrivals are held outside of the airspace during times that there are departures from Runway 27 resulting in a large amount of average delay and travel time.

For arriving aircraft, the travel taxi times represent ground travel times between runway exit points and the gates. The average delay taxi times include any delays incurred by the aircraft while traveling on the ground routes. Refer to Section 1.2, for the taxi patterns utilized by the aircraft under the various modeling configurations.

Total ground movement time is the average duration that an arrival operation is moving on the ground at SDIA with engines running; it includes travel-taxi and delay-taxi times.

1.5.2 Departure Operations

Table 8 presents average departure times in the simulation under the three operating conditions.

The airspace travel times include time spent on the airspace routes from takeoff to ejection from the simulation airspace structure. Airspace delays are incurred due to aircraft sequencing.

The taxi times for departing aircraft consist of ground travel times between the gates and the departure queues. Delays are incurred by the aircraft while traveling on the ground routes, while waiting at the departure queues, or while waiting for gate pushback. Refer to Section 1.2 for the taxi patterns utilized by the aircraft under the various modeling configurations.

Gate delays occur most often in the East Flow configuration due to departures that request Runway 27. In such cases, Runway 27 departures that need to travel eastbound on Taxiway B must wait until the taxiway is clear of departures and arrivals that are traveling in the normal westbound direction along Taxiway B.



Total ground movement time is the average duration that a departure operation is moving on the ground at SDIA with engines running; it includes travel-taxi, delay-taxi, and delay-queue times.

Table 7: Average Times per Arrival Operation

| | | | | Average Time per Arrival Operation (Minutes) | | | | | | | | |
|---|------|-----------|------|--|-------|------|-------|-------|--------------|----------------------------|--|--|
| Year/Alternative | | Weather | | Travel | | | Delay | | Total | | | |
| | Flow | Condition | Air | Taxi | Total | Air | Taxi | Total | Gate Time | Ground Movement Time | | |
| | 2005 | | | | | | | | | | | |
| | West | VFR | 10.5 | 3.6 | 14.1 | 0.4 | 0.6 | 0.9 | 43.1 | 4.1 | | |
| No Action | West | IFR | 10.5 | 3.6 | 14.1 | 0.5 | 0.6 | 1.1 | 43.4 | 4.2 | | |
| | East | IFR | 15.0 | 5.2 | 20.2 | 16.0 | 1.0 | 17.0 | 29.9 | 6.2 | | |
| | | | | 20 | 010 | | | | | | | |
| | West | VFR | 10.3 | 3.6 | 13.9 | 0.5 | 0.6 | 1.0 | 37.3 | 4.1 | | |
| No Action | West | IFR | 10.3 | 3.6 | 13.9 | 0.6 | 0.6 | 1.2 | 37.1 | 4.2 | | |
| | East | IFR | 16.5 | 5.3 | 21.8 | 20.6 | 1.1 | 21.7 | 20.0 | 6.4 | | |
| | West | VFR | 10.3 | 3.6 | 13.9 | 0.4 | 0.7 | 1.1 | 38.4 | 4.3 | | |
| T1 East Build | West | IFR | 10.3 | 3.6 | 13.9 | 0.7 | 0.7 | 1.4 | 38.6 | 4.3 | | |
| | East | IFR | 21.0 | 5.6 | 26.6 | 36.6 | 1.4 | 38.0 | 17.9 | 7.0 | | |
| | West | VFR | 10.3 | 3.7 | 14.0 | 0.4 | 0.4 | 0.8 | 18.0 | 4.1 | | |
| T2 West Build | West | IFR | 10.3 | 3.7 | 14.0 | 0.7 | 0.4 | 1.0 | 18.0 | 4.1 | | |
| | East | IFR | 19.5 | 5.6 | 25.1 | 26.8 | 1.5 | 28.2 | 9.4 | 7.1 | | |
| | | | | 20 | 015 | | | | | | | |
| | West | VFR | 10.4 | 3.5 | 13.9 | 0.6 | 0.8 | 1.4 | 47.9 | 4.3 | | |
| No Action | West | IFR | 10.4 | 3.5 | 13.9 | 0.8 | 0.7 | 1.5 | 47.6 | 4.3 | | |
| | East | IFR | 17.7 | 5.2 | 22.9 | 27.5 | 1.2 | 28.7 | 27.2 | 6.4 | | |
| | West | VFR | 10.4 | 3.6 | 14.0 | 0.6 | 0.7 | 1.3 | 50.2 | 4.3 | | |
| T1 East Build | West | IFR | 10.4 | 3.6 | 14.0 | 0.9 | 0.7 | 1.6 | 50.1 | 4.3 | | |
| | East | IFR | 23.9 | 5.7 | 29.6 | 45.9 | 2.3 | 48.2 | 23.7 | 8.0 | | |
| | West | VFR | 10.5 | 3.6 | 14.1 | 0.6 | 0.4 | 1.0 | 50.0 | 4.0 | | |
| T2 West Build | West | IFR | 10.5 | 3.6 | 14.1 | 0.9 | 0.3 | 1.2 | 50.1 | 4.0 | | |
| | East | IFR | 19.8 | 5.6 | 25.5 | 30.9 | 2.4 | 33.3 | 26.0 | 8.0 | | |
| Note: differences may ecoup due to rounding | | | | | | | | | | | | |

Note: differences may occur due to rounding.

Table 8: Average Times per Departure Operation

| Average Time per Operation (Minutes) | | | | | | | | peration | (Minutes) |) | |
|--------------------------------------|------|-----------|-----|--------|-------|-------|------|----------|-----------|-------|----------------------------|
| Year/ | | Weather | | Travel | | Delay | | | | | Total |
| Alternativ e | Flow | Condition | Air | Taxi | Total | Air | Taxi | Gate | Queue | Total | Ground Movement Time |
| 2005 | | | | | | | | | | | |
| No | West | VFR | 7.5 | 10.6 | 18.1 | 0.1 | 0.3 | 0.2 | 1.8 | 2.4 | 13.0 |
| Action | West | IFR | 7.5 | 10.6 | 18.1 | 0.1 | 0.4 | 0.2 | 1.9 | 2.5 | 13.0 |
| | East | IFR | 7.7 | 10.2 | 17.9 | 0.1 | 5.4 | 20.6 | 10.5 | 36.6 | 46.7 |
| | | | | | 201 | 0 | | | | | |
| No | West | VFR | 7.9 | 10.7 | 18.7 | - | 0.5 | 0.3 | 1.9 | 2.7 | 13.4 |
| Action | West | IFR | 7.9 | 10.7 | 18.7 | - | 0.6 | 0.3 | 2.0 | 2.9 | 13.6 |
| | East | IFR | 7.5 | 10.3 | 17.8 | 0.0 | 8.3 | 22.2 | 12.0 | 42.4 | 52.7 |
| T1 East | West | VFR | 7.7 | 11.5 | 19.2 | - | 0.5 | 0.2 | 2.0 | 2.6 | 14.1 |
| Build | West | IFR | 7.7 | 11.5 | 19.2 | 0.0 | 0.4 | 0.2 | 2.1 | 2.7 | 14.2 |
| | East | IFR | 7.5 | 10.5 | 18.0 | 0.0 | 12.9 | 40.8 | 12.7 | 66.4 | 76.9 |
| T2 West | West | VFR | 7.7 | 12.3 | 20.0 | - | 0.3 | 0.3 | 1.9 | 2.6 | 14.9 |
| Build | West | IFR | 7.7 | 12.3 | 20.0 | - | 0.3 | 0.3 | 2.2 | 2.8 | 15.1 |
| | East | IFR | 7.6 | 10.0 | 17.5 | 0.0 | 9.8 | 27.7 | 12.4 | 49.9 | 59.9 |
| | | | | | 201 | 5 | | | | | |
| No | West | VFR | 7.9 | 10.6 | 18.6 | - | 0.7 | 0.9 | 2.7 | 4.3 | 14.9 |
| Action | West | IFR | 7.9 | 10.6 | 18.6 | - | 0.7 | 0.8 | 3.0 | 4.5 | 15.1 |
| | East | IFR | 7.5 | 10.3 | 17.8 | 0.0 | 1.5 | 37.2 | 46.4 | 85.1 | 95.4 |
| T1 East | West | VFR | 7.7 | 11.5 | 19.3 | - | 0.6 | 0.1 | 2.8 | 3.5 | 15.0 |
| Build | West | IFR | 7.7 | 11.5 | 19.3 | - | 0.6 | 0.1 | 3.2 | 3.8 | 15.3 |
| | East | IFR | 7.6 | 10.5 | 18.0 | 0.0 | 20.0 | 45.5 | 15.4 | 80.9 | 91.3 |
| T2 West | West | VFR | 7.7 | 12.0 | 19.7 | - | 0.5 | 0.0 | 2.7 | 3.2 | 15.2 |
| Build | West | IFR | 7.7 | 12.0 | 19.7 | - | 0.5 | 0.0 | 3.1 | 3.6 | 15.6 |
| | East | IFR | 7.6 | 10.0 | 17.6 | 0.0 | 21.7 | 39.5 | 15.1 | 76.3 | 86.2 |

Note: differences may occur due to rounding.

1.5.3 Average Times per Landing-Takeoff Cycle Operation

Table 9 presents average annual average times for all aircraft in the simulation based on the three airport operational configurations and at each modeled demand level. The percent occurrence of the each configuration is listed in **Table 1**. The Average Annual Landing-Takeoff Cycle Ground Movement Time represents the weighted average of all arrival and departure operations.

Table 9: Average Times per Landing-Takeoff Cycle

| | | | | | Average | Time per | Operati | on (Minutes |) | |
|------------------|------|-----------|--------|-------|------------|----------|---------|-------------|--|--|
| Year/ | | Weather | Arri | vals | Departures | | | Annual | Average Annual | |
| Alternative | Flow | Condition | Travel | Delay | Travel | Delay | Total | Flow Use | Landing-Takeoff Cycle Ground Movement Time | |
| 2005 | | | | | | | | | | |
| | West | VFR | 3.6 | 0.6 | 10.6 | 2.2 | 17.0 | 73.4% | | |
| No Action | West | IFR | 3.6 | 0.6 | 10.6 | 2.3 | 17.1 | 23.3% | 17.5 | |
| | East | IFR | 5.2 | 1.0 | 10.2 | 16.0 | 32.4 | 3.3% | | |
| | | | | 201 | 10 | | | | | |
| | West | VFR | 3.6 | 0.6 | 10.7 | 2.4 | 17.2 | 73.4% | | |
| No Action | West | IFR | 3.6 | 0.6 | 10.7 | 2.6 | 17.5 | 23.3% | 17.9 | |
| | East | IFR | 5.3 | 1.1 | 10.3 | 20.2 | 36.9 | 3.3% | | |
| T1 East | West | VFR | 3.6 | 0.7 | 11.5 | 2.4 | 18.2 | 73.4% | | |
| Build | West | IFR | 3.6 | 0.7 | 11.5 | 2.6 | 18.3 | 23.3% | 19.1 | |
| Dullu | East | IFR | 5.6 | 1.4 | 10.5 | 25.6 | 43.1 | 3.3% | _ | |
| T2 West | West | VFR | 3.7 | 0.4 | 12.3 | 2.3 | 18.6 | 73.4% | | |
| Build | West | IFR | 3.7 | 0.4 | 12.3 | 2.5 | 18.9 | 23.3% | 19.4 | |
| Dullu | East | IFR | 5.6 | 1.5 | 10.0 | 22.2 | 39.2 | 3.3% | _ | |
| | | | | 201 | 15 | | | | | |
| | West | VFR | 3.5 | 0.8 | 10.6 | 3.4 | 18.3 | 73.4% | | |
| No Action | West | IFR | 3.5 | 0.7 | 10.6 | 3.7 | 18.6 | 23.3% | 19.9 | |
| | East | IFR | 5.2 | 1.2 | 10.3 | 47.9 | 64.6 | 3.3% | | |
| T1 East | West | VFR | 3.6 | 0.7 | 11.5 | 3.4 | 19.2 | 73.4% | | |
| Build | West | IFR | 3.6 | 0.7 | 11.5 | 3.7 | 19.5 | 23.3% | 20.4 | |
| Dullu | East | IFR | 5.7 | 2.3 | 10.5 | 35.4 | 53.8 | 3.3% | | |
| T2 West | West | VFR | 3.6 | 0.4 | 12.0 | 3.2 | 19.2 | 73.4% | | |
| 12 west Build | West | IFR | 3.6 | 0.3 | 12.0 | 3.6 | 19.5 | 23.3% | 20.4 | |
| Dullu | East | IFR | 5.6 | 2.4 | 10.0 | 36.8 | 54.7 | 3.3% | _ | |

Note: differences may occur due to rounding.



San Diego International Airport Master Plan and Environmental Analysis

Appendix A

Additional Simulation Modeling for Demand Years 2020, 2025, and 2030

Existing and Alternative Airfield Simulation Results

DRAFT

July 2007





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A. SIMULATION RESULTS

The simulation models for SDIA were developed using demand forecasts provided by HNTB Corporation. The models represent gated constrained forecasts for SDIA in the years 2005, 2010 2015, 2020, 2025, and 2030. In each of the six years, the three different airport operational configurations of SDIA were modeled to better reflect the fluid nature of the weather systems and their impact on the airport operations. This section describes various output statistics of the Simmod *PRO!* models under the three different weather conditions, using the three airfield alternatives in the 2010, 2015, 2020, 2025, and 2030 demand years. The No Action case was modeled for the 2005 demand year in addition to the 2010, 2015, 2020, 2025, and 2030 demand years. Table 0.1 presents the daily demand level for the gated and constrained demand forecast prepared by HNTB.

Demand No Action T1 East T2 West

Table 0.1: SDIA Gated and Constrained Demand Forecast

It is important to note that these schedules were not intended to derive statistics for overall airport capacity. Simulation output produced from this study is being used as input to an emissions model as part of the environmental analysis. A typical capacity and delay analysis would have used demand files that tested the capacity constraints of the airfield; this type of study would usually use demand schedules produced by forecasting the average day from the peak month of the year. For this study however, the demand schedules represent an average annual day. Because the demand from an average annual delay is lower than the demand from the average day of the peak month of the year, it can therefore be expected that airfield delay would be lower as well.

1.A.1 Arrival Aircraft – Ground Travel and Delay Times

Table 0.2 presents average taxi times in the simulation under the three operating configurations at SDIA for arrivals. For arriving aircraft, the taxi times represent ground travel times between runway exit points and the gates. The average taxi times also include any delays incurred by the aircraft while traveling on the ground routes. Refer to section 1.2, for the taxi patterns utilized by the aircraft under the various modeling configurations.



Table 0.2: Average Taxi Time in Minutes for Arriving Aircraft (Delay Included)

Average Taxi Time in Minutes for Arriving Aircraft (Delay Included)

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | _ |
| No Action | 4.1 | 4.1 | 4.3 | 5.2 | 4.6 | 4.2 |
| T1 East | | 4.3 | 4.3 | 4.0 | 3.9 | 3.9 |
| T2 West | | 4.1 | 4.0 | 3.7 | 3.8 | 3.8 |
| | | West Pl | lan IFR | | | |
| No Action | 4.2 | 4.2 | 4.3 | 5.2 | 4.7 | 4.3 |
| T1 East | | 4.3 | 4.3 | 4.0 | 3.9 | 3.9 |
| T2 West | | 4.1 | 4.0 | 3.7 | 3.8 | 3.8 |
| | East Plan I | FR – ILS App | oroach, 09/27] | Departures | | |
| No Action | 6.2 | 6.4 | 6.4 | 5.8 | 6.1 | 5.9 |
| T1 East | | 7.0 | 8.0 | 6.6 | 6.1 | 6.2 |
| T2 West | | 7.1 | 8.0 | 6.0 | 6.1 | 6.3 |

Table 0.3 and **Table 0.4** present the two components that make up the average arrival taxi times shown in **Table 0.2**. **Table 0.3** presents the undelayed average taxi times in the simulation under the three operating configurations at SDIA for arrivals. For arriving aircraft, the undelayed taxi times represent ground travel times between runway exit points and the gates without delay caused by aircraft interactions.

Table 0.3: Undelayed Average Taxi Time in Minutes for Arriving Aircraft
Undelayed Average Taxi Time in Minutes for Arriving Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | We | st Plan VFR – | Visual Appro | ach | | |
| No Action | 3.6 | 3.6 | 3.5 | 3.6 | 3.5 | 3.6 |
| T1 East | | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| T2 West | | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 |
| | | West Pl | lan IFR | | | |
| No Action | 3.6 | 3.6 | 3.5 | 3.6 | 3.5 | 3.6 |
| T1 East | | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| T2 West | | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 |
| | East Plan l | IFR – ILS App | oroach, 09/27 l | Departures | | |
| No Action | 5.2 | 5.3 | 5.2 | 5.2 | 5.3 | 5.2 |
| T1 East | | 5.6 | 5.7 | 5.5 | 5.5 | 5.5 |
| T2 West | | 5.6 | 5.6 | 5.5 | 5.6 | 5.6 |



Table 0.4 presents average taxi delays incurred in the simulation under the three West Plan operating conditions for arrivals. The taxi delays represent any delays incurred by the aircraft while traveling on the ground routes.

Table 0.4: Average Taxi Delay Incurred in Minutes for Arriving Aircraft

Average Taxi Delay Incurred in Minutes for Arriving Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|---------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | |
| No Action | 0.6 | 0.6 | 0.8 | 1.6 | 1.1 | 0.6 |
| T1 East | | 0.7 | 0.7 | 0.4 | 0.3 | 0.3 |
| T2 West | | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| | • | West Plan IFR | <u> </u> | | | |
| No Action | 0.6 | 0.6 | 0.7 | 1.6 | 1.2 | 0.7 |
| T1 East | | 0.7 | 0.7 | 0.4 | 0.3 | 0.3 |
| T2 West | | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 |
| | East Plan I | FR – ILS App | oroach, 09/27 | Departures | | |
| No Action | 1.0 | 1.1 | 1.2 | 0.6 | 0.9 | 0.6 |
| T1 East | | 1.4 | 2.3 | 1.0 | 0.7 | 0.7 |
| T2 West | | 1.5 | 2.4 | 0.4 | 0.5 | 0.7 |

1.A.2 Arrival Aircraft – Airspace Travel and Delay Times

Table 0.5 presents the average airspace travel times incurred in the simulation under the three West Plan operating conditions for arrivals. The airspace travel times include time spent on the airspace routes from the injection into the simulation to the runway touchdown point. The times include any airspace delays that incur due to aircraft sequencing. In the East Plan configurations, arrivals are held outside of the airspace during times that there are departures from Runway 27 resulting in a large amount of average delay and travel time.



Table 0.5: Average Airspace Travel Time in Minutes for Arriving Aircraft (Delay Included)

Average Airspace Travel Time in Minutes for Arriving Aircraft (Delay Included)

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-----------|---------------|----------------|---------------|-------|-------|
| | W | est Plan VFF | R – Visual App | proach | | |
| No Action | 10.9 | 10.8 | 11.0 | 13.4 | 13.4 | 13.1 |
| T1 East | | 10.7 | 11.0 | 13.2 | 13.7 | 14.0 |
| T2 West | | 10.8 | 11.1 | 13.3 | 13.9 | 14.4 |
| | | West | Plan IFR | | | |
| No Action | 11.1 | 11.0 | 11.2 | 13.6 | 13.6 | 13.4 |
| T1 East | | 11.0 | 11.3 | 13.3 | 13.9 | 14.0 |
| T2 West | | 11.0 | 11.4 | 13.6 | 14.3 | 14.6 |
| | East Plar | ı IFR – ILS A | pproach, 09/2 | 27 Departures | | |
| No Action | 31.0 | 37.1 | 45.2 | 123.9 | 144.8 | 131.8 |
| T1 East | | 57.6 | 69.8 | 141.3 | 133.4 | 155.9 |
| T2 West | | 46.3 | 50.7 | 112.6 | 138.5 | 161.3 |

Table 0.6 and **Table 0.7** present the two components that make up the average arrival airspace travel times shown in **Table 0.5**. **Table 0.6** presents the average airspace travel times incurred in the simulation under the three West Plan operating conditions for arrivals without delay sequencing needed for aircraft interactions. The airspace travel times include time spent on the airspace routes from the injection into the simulation to the runway touchdown point.

Table 0.6: Undelayed Average Airspace Travel Time in Minutes for Arriving Aircraft

Undelayed Average Airspace Travel Time in Minutes for Arriving Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | |
| No Action | 10.5 | 10.3 | 10.4 | 10.3 | 10.3 | 10.3 |
| T1 East | | 10.3 | 10.4 | 10.3 | 10.3 | 10.2 |
| T2 West | | 10.3 | 10.5 | 10.3 | 10.3 | 10.2 |
| | | West Pl | lan IFR | | | |
| No Action | 10.5 | 10.3 | 10.4 | 10.3 | 10.3 | 10.3 |
| T1 East | | 10.3 | 10.4 | 10.3 | 10.3 | 10.2 |
| T2 West | | 10.3 | 10.5 | 10.3 | 10.3 | 10.2 |
| | East Plan I | FR – ILS App | oroach, 09/27 l | Departures | | |
| No Action | 15.0 | 16.5 | 17.7 | 38.1 | 43.2 | 39.6 |
| T1 East | | 21.0 | 23.9 | 39.9 | 38.7 | 47.7 |
| T2 West | | 19.5 | 19.8 | 35.4 | 43.6 | 49.4 |



Table 0.7 presents the average airspace delay times incurred in the simulation under the three West Plan operating conditions for arrivals. The airspace delay times include any delay needed to sequence aircraft from their injection into the simulation to the runway touchdown point.

Table 0.7: Average Airspace Delay Incurred in Minutes for Arriving Aircraft

Average Airspace Delay Incurred in Minutes for Arriving Aircraft

| _ | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-----------|---------------|----------------|---------------|-------|-------|
| | W | est Plan VFF | R – Visual App | oroach | | |
| No Action | 0.4 | 0.5 | 0.6 | 3.0 | 3.1 | 2.9 |
| T1 East | | 0.4 | 0.6 | 2.9 | 3.4 | 3.7 |
| T2 West | | 0.4 | 0.6 | 3.0 | 3.6 | 4.2 |
| | | West | Plan IFR | | | |
| No Action | 0.5 | 0.6 | 0.8 | 3.2 | 3.3 | 3.1 |
| T1 East | | 0.7 | 0.9 | 3.0 | 3.7 | 3.8 |
| T2 West | | 0.7 | 0.9 | 3.3 | 4.0 | 4.3 |
| | East Plai | n IFR – ILS A | approach, 09/2 | 27 Departures | | |
| No Action | 16.0 | 20.6 | 27.5 | 85.9 | 101.6 | 92.2 |
| T1 East | | 36.6 | 45.9 | 101.4 | 94.7 | 108.2 |
| T2 West | | 26.8 | 30.9 | 77.2 | 94.8 | 111.9 |

1.A.3 Departure Aircraft – Ground Travel and Delay Times

Table 0.8 presents average taxi times in the simulation under the three operating conditions for departures. The tax times for departing aircraft consist of ground travel times between the gates and the departure queues. The average taxi times also include any delays incurred by the aircraft while traveling on the ground routes, while waiting at the departure queues, or while waiting for gate pushback. Gate delays occur most often in the East Plan configuration due to departures that request Runway 27. In such cases, Runway 27 departures that need to travel eastbound on Taxiway B must wait until the taxiway is clear of departures and arrivals that are traveling in the normal westbound direction along Taxiway B. Refer to section 1.2 for the taxi patterns utilized by the aircraft under the various modeling configurations.



Table 0.8: Average Taxi Time in Minutes for Departing Aircraft (Delay Included)

Average Taxi Time in Minutes for Departing Aircraft (Delay Included)

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | _ |
| No Action | 13.0 | 13.4 | 14.9 | 16.1 | 16.6 | 16.4 |
| T1 East | | 14.1 | 15.0 | 17.2 | 18.0 | 20.4 |
| T2 West | | 14.9 | 15.2 | 16.0 | 16.5 | 17.2 |
| | | West P | lan IFR | | | |
| No Action | 13.0 | 13.6 | 15.1 | 16.1 | 16.5 | 16.4 |
| T1 East | | 14.2 | 15.3 | 17.3 | 18.1 | 20.3 |
| T2 West | | 15.1 | 15.6 | 15.9 | 16.5 | 17.2 |
| | East Plan I | FR – ILS App | oroach, 09/27] | Departures | | |
| No Action | 46.7 | 52.7 | 95.4 | 64.0 | 71.9 | 68.5 |
| T1 East | | 76.9 | 91.3 | 57.7 | 55.6 | 59.6 |
| T2 West | | 59.9 | 86.2 | 64.1 | 68.3 | 78.9 |

Table 0.9 presents undelayed average taxi times in the simulation under the three operating conditions for departures. The tax times for departing aircraft consist of ground travel times between the gates and the departure queues without aircraft interactions.

Table 0.9: Undelayed Average Taxi Time in Minutes for Departing Aircraft

Undelayed Average Taxi Time in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | |
| No Action | 10.6 | 10.7 | 10.6 | 10.8 | 10.8 | 10.8 |
| T1 East | | 11.5 | 11.5 | 11.4 | 11.5 | 11.5 |
| T2 West | | 12.3 | 12.0 | 12.0 | 12.0 | 12.1 |
| | | West P | lan IFR | | | |
| No Action | 10.6 | 10.7 | 10.6 | 10.8 | 10.8 | 10.8 |
| T1 East | | 11.5 | 11.5 | 11.4 | 11.5 | 11.5 |
| T2 West | | 12.3 | 12.0 | 12.0 | 12.0 | 12.1 |
| | East Plan I | FR – ILS App | oroach, 09/27 l | Departures | | |
| No Action | 10.2 | 10.3 | 10.3 | 10.4 | 10.5 | 10.5 |
| T1 East | | 10.5 | 10.5 | 10.4 | 10.3 | 10.3 |
| T2 West | | 10.0 | 10.0 | 9.9 | 10.0 | 10.0 |

Table 0.10 presents average taxi delays incurred in the simulation under the three operating conditions for departures. **Table 0.10** includes any delays incurred by departing aircraft while



traveling on the ground routes, while waiting to depart in the departure queue areas, or delay associated with waiting at a gate for clearance to pushback.

Table 0.10: Average Taxi Delay Incurred in Minutes for Departing Aircraft

Average Taxi Delay Incurred in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-----------|---------------|---------------|------------|------|------|
| | We | st Plan VFR – | Visual Appro | ach | | |
| No Action | 2.4 | 2.7 | 4.3 | 5.3 | 5.7 | 5.6 |
| T1 East | | 2.6 | 3.5 | 5.8 | 6.6 | 8.9 |
| T2 West | | 2.6 | 3.2 | 4.1 | 4.5 | 5.1 |
| | | West P | lan IFR | | | |
| No Action | 2.4 | 2.9 | 4.5 | 5.3 | 5.7 | 5.6 |
| T1 East | | 2.7 | 3.8 | 5.9 | 6.7 | 8.8 |
| T2 West | | 2.8 | 3.6 | 4.0 | 4.5 | 5.1 |
| | East Plan | IFR – ILS App | oroach, 09/27 | Departures | | |
| No Action | 36.5 | 42.4 | 85.1 | 53.6 | 61.3 | 58.0 |
| T1 East | | 66.4 | 80.9 | 47.3 | 45.3 | 49.3 |
| T2 West | | 49.9 | 76.3 | 54.1 | 58.3 | 68.9 |

Table 0.11 shows the average ground and departure queue congestion delays incurred by the departing aircraft in the simulation under the three operating conditions. The average ground delay, combined with the departure queue delay, represent all of the delay associated with the aircraft once it has left the gate until liftoff.

Table 0.11: Average Taxi and Queue Delay in Minutes for Departing Aircraft

Average Taxi and Queue Delay in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | We | st Plan VFR – | Visual Appro | ach | | |
| No Action | 2.2 | 2.4 | 3.4 | 4.7 | 5.4 | 5.1 |
| T1 East | | 2.4 | 3.4 | 5.7 | 6.3 | 8.4 |
| T2 West | | 2.3 | 3.2 | 4.0 | 4.4 | 5.0 |
| | | West Pl | lan IFR | | | |
| No Action | 2.2 | 2.6 | 3.7 | 4.7 | 5.3 | 5.1 |
| T1 East | | 2.5 | 3.7 | 5.9 | 6.4 | 8.4 |
| T2 West | | 2.5 | 3.6 | 3.9 | 4.4 | 5.0 |
| | East Plan I | FR – ILS App | oroach, 09/27 l | Departures | | |
| No Action | 15.9 | 20.2 | 47.9 | 17.7 | 21.2 | 19.3 |
| T1 East | | 25.6 | 35.4 | 19.4 | 18.2 | 18.4 |
| T2 West | | 22.2 | 36.7 | 17.2 | 19.1 | 23.3 |

Table 0.12 shows the average gate delays incurred by the departing aircraft in the simulation under the three operating conditions. The average gate delays for departures are low for the two West Plan configurations and are high in the East Plan configuration due directly to departures that request Runway 27 which is the opposite departure direction during East Plan.

Table 0.12: Average Gate Delay in Minutes for Departing Aircraft

Average Gate Delay in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|--------------|--------------|---------------|------------|------|------|
| | West | t Plan VFR – | Visual Appr | oach | | |
| No Action | 0.2 | 0.3 | 0.9 | 0.6 | 0.3 | 0.4 |
| T1 East | | 0.2 | 0.1 | 0.0 | 0.3 | 0.5 |
| T2 West | | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 |
| | | West P | lan IFR | | | |
| No Action | 0.2 | 0.3 | 0.8 | 0.6 | 0.4 | 0.5 |
| T1 East | | 0.2 | 0.1 | 0.0 | 0.3 | 0.5 |
| T2 West | | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 |
| | East Plan II | FR – ILS App | oroach, 09/27 | Departures | | |
| No Action | 20.6 | 22.2 | 37.2 | 35.9 | 40.1 | 38.7 |
| T1 East | | 40.8 | 45.5 | 27.9 | 27.0 | 31.0 |
| T2 West | | 27.7 | 39.5 | 36.9 | 39.3 | 45.6 |

1.A.4 Departure Aircraft – Airspace Travel and Delay Times

Table 0.13 presents the average airspace travel times incurred in the simulation under the three West Plan operating conditions for departures. The airspace travel times include time spent on the airspace routes from liftoff to ejection from the simulation airspace structure. The times include any airspace delays incurred due to aircraft sequencing.

Table 0.13: Average Airspace Travel Time in Minutes for Departing Aircraft (Delay Included)

Average Airspace Travel Time in Minutes for Departing Aircraft (Delay Included)

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|---------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | |
| No Action | 7.6 | 7.9 | 7.9 | 7.8 | 7.9 | 7.9 |
| T1 East | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| T2 West | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| | | West P | lan IFR | | | |
| No Action | 7.6 | 7.9 | 7.9 | 7.8 | 7.9 | 7.9 |
| T1 East | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| T2 West | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| | East Plan I | FR – ILS App | oroach, 09/27 | Departures | | |
| No Action | 7.8 | 7.5 | 7.5 | 7.7 | 7.8 | 7.7 |
| T1 East | | 7.5 | 7.6 | 7.7 | 7.7 | 7.8 |
| T2 West | | 7.6 | 7.6 | 7.7 | 7.8 | 7.7 |

Table 0.14 and **Table 0.15** and present the two components that make up the average arrival airspace travel times shown in **Table 0.13**. **Table 0.14** presents the average airspace travel times incurred in the simulation under the three West Plan operating conditions for departures without delay sequencing needed for aircraft interactions. The airspace travel times include time spent on the airspace routes from liftoff to ejection from the simulation airspace structure.



Table 0.14: Undelayed Average Airspace Travel Time in Minutes for Departing Aircraft

Undelayed Average Airspace Travel Time in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|---------------|------------|------|------|
| | Wes | st Plan VFR – | Visual Appro | ach | | |
| No Action | 7.5 | 7.9 | 7.9 | 7.8 | 7.9 | 7.9 |
| T1 East | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| T2 West | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| | | West P | lan IFR | | | |
| No Action | 7.5 | 7.9 | 7.9 | 7.8 | 7.9 | 7.9 |
| T1 East | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| T2 West | | 7.7 | 7.7 | 7.8 | 7.9 | 8.0 |
| | East Plan l | FR – ILS App | oroach, 09/27 | Departures | | |
| No Action | 7.7 | 7.5 | 7.5 | 7.7 | 7.8 | 7.7 |
| T1 East | | 7.5 | 7.6 | 7.7 | 7.7 | 7.8 |
| T2 West | | 7.6 | 7.6 | 7.7 | 7.8 | 7.7 |

Table 0.15 presents the average airspace delay times incurred in the simulation under the three West Plan operating conditions for departures. The airspace delay times include any delay needed to sequence aircraft from liftoff to ejection from the simulation airspace structure. Because of the limited airspace structure for these simulation models the vast majority of the delay experienced by departures occurs while the aircraft are on the ground waiting to depart.

Table 0.15: Average Airspace Delay Incurred in Minutes for Departing Aircraft

Average Airspace Delay Incurred in Minutes for Departing Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|-------------|---------------|-----------------|------------|------|------|
| | We | st Plan VFR – | Visual Appro | ach | | |
| No Action | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T1 East | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T2 West | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | West Pl | lan IFR | | | |
| No Action | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T1 East | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T2 West | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | East Plan l | IFR – ILS App | oroach, 09/27 l | Departures | | |
| No Action | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T1 East | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T2 West | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

1.A.5 Average Annual Ground Travel and Delay Time

Table 0.16 presents average annual taxi times for all aircraft in the simulation based on the three airport operational configurations and at each modeled demand level. The percent occurrence of the each configuration is listed in Error! Reference source not found.. The total taxi times reflect the weighted average of all arrival and departure operations.

Table 0.16: Annual Average Taxi Time in Minutes for All Aircraft

Annual Average Taxi Time in Minutes for All Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|------|------|------|------|------|------|
| No Action | 9.2 | 9.5 | 11.1 | 11.5 | 11.6 | 11.2 |
| T1 East | | 10.4 | 11.1 | 11.4 | 11.7 | 12.9 |
| T2 West | | 10.3 | 11.0 | 10.7 | 11.1 | 11.6 |

Table 0.17 presents average annual taxi delay times for all aircraft in the simulation based on the three airport operational configurations and at each modeled demand level. The total taxi times reflect the weighted average of the all arrival and departure operations including departure queue delay. Airspace delay is not included in **Table 0.17**.

Table 0.17: Annual Average Taxi Delay in Minutes for All Aircraft

Annual Average Taxi Delay in Minutes for All Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|------|------|------|------|------|------|
| | | | | | | |
| No Action | 2.1 | 2.4 | 4.0 | 4.3 | 4.4 | 4.0 |
| T1 East | | 2.8 | 3.5 | 3.8 | 4.1 | 5.3 |
| T2 West | | 2.3 | 3.1 | 3.0 | 3.3 | 3.8 |



1.A.6 Average Annual Delay – Ground and Airspace

Table 0.18 presents average annual delay times for all aircraft in the simulation based on the three airport operational configurations and at each modeled demand level. The total delay times include delay incurred in the airspace as well as on the ground. The times reflect the weighted average for all arrivals and departures.

Table 0.18: Annual Average Delay (Minutes Per Aircraft)

Annual Average Delay in Minutes for All Aircraft

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|------|------|------|------|------|------|
| No Action | 2.6 | 3.0 | 4.8 | 7.3 | 7.7 | 7.1 |
| T1 East | | 3.7 | 4.6 | 7.0 | 7.5 | 9.0 |
| T2 West | | 3.0 | 4.0 | 5.8 | 6.7 | 7.8 |

Table 0.19 presents average annual delay times for all aircraft in the simulation based on the three airport operational configurations and at each modeled demand level for the two West Plan configurations. The total delay times include delay incurred in the airspace as well as on the ground. The times reflect the weighted average for all arrivals and departures.

Table 0.19: Annual Average Delay (Minutes Per Aircraft) - West Plan Components Only

Annual Average Delay in Minutes for All Aircraft - West Plan Components Only

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------|------|------|------|------|------|------|
| | 2002 | 2010 | 2012 | 2020 | 2020 | 2020 |
| No Action | 1.6 | 1.8 | 2.8 | 4.8 | 4.8 | 4.4 |
| T1 East | | 1.9 | 2.4 | 4.4 | 5.0 | 6.2 |
| T2 West | | 1.7 | 2.1 | 3.5 | 4.0 | 4.6 |



APPENDIX D

Traffic and Circulation

APPENDIX D

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APPENDIX D: TRAFFIC AND CIRCULATION

This appendix presents the Traffic Impact Study (TIS) prepared for the San Diego International Airport (SDIA) Airport Master Plan (AMP). After discussing the TIS approach, assumptions, methodologies and significance criteria in Sections D.1 and D.2, this appendix presents the results of the traffic impact analysis for the following project alternatives:

- Existing Conditions (Section D.3)
- No Project Alternative (Section D.4)
- Proposed Airport Implementation Plan (Section D.5)
 - With Parking Structure (Section D.5.1)
 - Without Parking Structure (Section D.5.2)
- East Terminal Alternative (Section D.6)
 - With Parking Structure (Section D.6.1)
 - Without Parking Structure (Section D.6.2)
- Proposed Airport Land Use Plan (Section D.7)

D.1 General Approach and Methodology

The overall approach used to identify the traffic impacts of a proposed project is based on a comparison of traffic conditions under each project alternative with the No Project Alternative for each analysis year, as shown in **Figure D.1-1**. The traffic impact analysis followed applicable guidelines from the following documents:

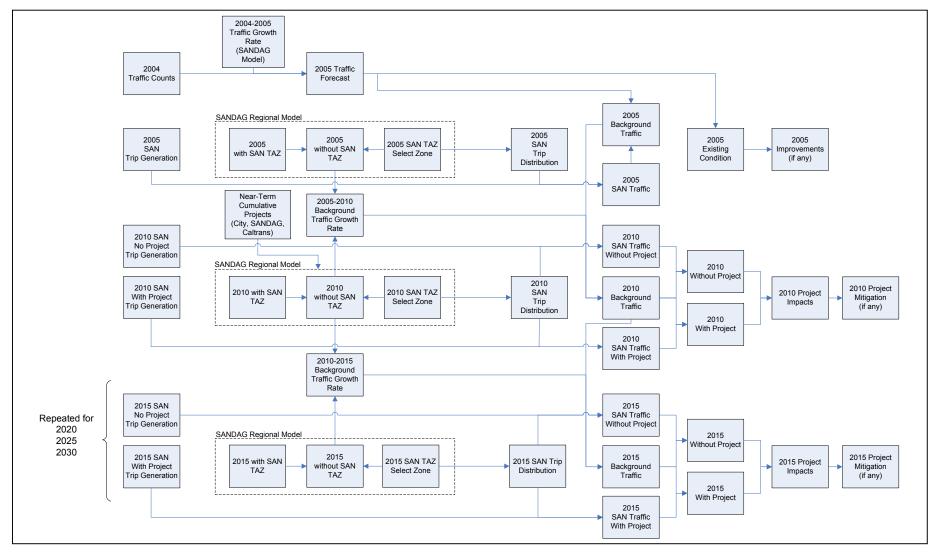
- San Diego Traffic Engineers Council (SANTEC) and Institute of Transportation Engineers (ITE) –
 California Border Section, <u>SANTEC/ITE Guidelines for Traffic Impact Studies in the San Diego</u>
 Region Final Draft, March 2, 2000.
- San Diego Association of Governments (SANDAG), <u>Traffic Impact Studies Guidelines</u>, in <u>2002</u> <u>SANDAG Congestion Management Program</u>, January 2003.
- California Department of Transportation (Caltrans), <u>Guide for the Preparation of Traffic Impact</u> Studies, December 2002.
- City of San Diego, Traffic Impact Study Manual and Trip Generation Manual, revised May 2003.
- City of San Diego Development Services Department, <u>California Environmental Quality Act</u> (CEQA), <u>Significance Determination Thresholds</u>, January 2007.

The traffic analysis for the DEIR Final EIR assessed traffic conditions and associated traffic impacts resulting from the project alternatives for the existing (2005), near-term (2010 and 2015) and mid-/long-term or horizon year (2020, 2025, and 2030) conditions. The traffic analysis was conducted for regular AM and PM commute peak hours which overlap with the airport AM and PM peak passenger arrival and departure hours and represent annual average day traffic conditions. This section presents a detailed report, including analysis for existing conditions and years 2010, 2015, 2020, 2025 and 2030.

Coordination meetings with representatives from the City of San Diego, SANDAG, Caltrans, and the SDCRAA were held during preparation of the initial traffic study prepared for the 2006 Draft EIR to coordinate assumptions and analysis. The first meeting was held June 6, 2005 and information was presented concerning the study area, alternatives to be assessed, modeling requirements and methodology, and traffic assumptions. A second meeting was held September 29, 2005 to present trip generation and regional traffic distribution assumptions. Follow-up meetings were held in July and August 2007 to review initial 2006 Draft EIR comments received from the agencies and to receive additional input on study criteria.

For each future analysis year, traffic conditions were determined for the Proposed Project and its alternatives including the No Project Alternative based on an estimate of the regional background traffic (excluding airport and project-related traffic) and traffic related to the airport. SANDAG provided traffic





Appendix D.1-1

Traffic Impact Study Flow Chart

Environmental Impact Report

Not to Scale

Source: SANDAG and HNTB Corporation Prepared by: HNTB Corporation, 2007

forecasts generated by the SANDAG [San Diego] regional transportation model¹ for each analysis year. These forecasts include both regional background traffic and estimates of airport-related traffic. However, as discussed in Chapter 2, SDIA completed a new aviation activity forecast in 2004, which is more recent than airport passenger forecasts used in the SANDAG traffic model and reflects recent aviation activity and updated passenger trends at SDIA.

To account for the difference in airport-related traffic included in the SANDAG regional transportation model and airport traffic calculated from the 2004 SDIA passenger forecasts, airport traffic in the SANDAG forecasts were first subtracted out of the total traffic based on daily and peak-hour airport traffic volumes provided by SANDAG for each roadway and freeway segment. This resulted in estimates of regional background traffic. This "background" traffic was added to airport traffic volumes developed based on the 2004 SDIA passenger forecasts, calculated airport passenger and project trip generation rates, airport entrance/exit traffic counts, field surveys and intersection traffic counts, airport passenger mode share and vehicle occupancy data, and other data described in this section.

This section presents the traffic analysis study area; a list of traffic counts and other data collected for the analysis; a description of the traffic model, background and airport traffic; and a summary of passenger trip generation calculations.

D.1.1 Study Area

The traffic analysis study area was chosen by determining the limit of where the Proposed Project or its alternatives would alter the traffic patterns of arriving and departing vehicles. The study area presented in the 2006 Draft EIR was defined as the area immediately surrounding SDIA including North Harbor Drive south of the Terminals and streets to the east providing access to the airport. This area is bound by I-5, North Harbor Drive, Grape Street, Washington Street and the San Diego Bay Channel.

The study area was expanded under this <u>Draft Final</u> EIR to include Nimitz Boulevard and Rosecrans Street west of SDIA, India/San Diego Street east of I-5, and additional mainline freeway segments along I-5 and I-8. These streets and associated intersections were added to the study area due to an increase in airport traffic on these streets under the Proposed Project in later study years. The study area is shown in **Figure D.1-2**.

D.1.2 Traffic Counts and Other Data

The primary source of traffic data used in the traffic analysis was the <u>Update of Traffic Data for San Diego International Airport</u> prepared for SDCRAA in 2004.² Additional data were collected in 2006 as part of the SDIA NTC Landfill Remediation Traffic Impact Study, and in 2007 as part of this analysis. <u>See Figure D.1-3 for the Traffic Count Locations used in this analysis</u>.

The data collection efforts conducted as part of the 2004 Update of Traffic Data for San Diego International Airport included:

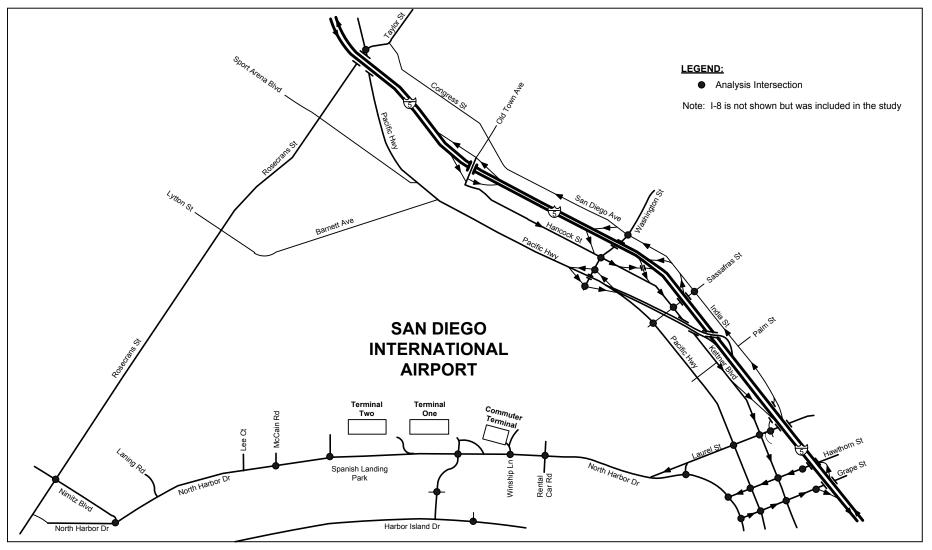
- · Average daily traffic (ADT) counts at all entrances and exits to SDIA
- Peak-hour turning volume counts at adjacent SDIA intersections and peak-hour turning volume counts at other selected intersections
- Vehicle occupancy counts at SDIA parking facilities and terminal curbsides
- Vehicle classification surveys at terminal curbsides
- Vehicle dwell time surveys at terminal curbsides
- Rental car company survey of rented and returned vehicles
- Bus passenger boarding and alighting counts at each terminal
- · Person counts entering and exiting each terminal

2

SANDAG Model Runs dated 10/24/04.

Parsons, <u>Update of Traffic Data for San Diego International Airport</u>, prepared for SDCRAA, July 30, 2004.





Not to Scale

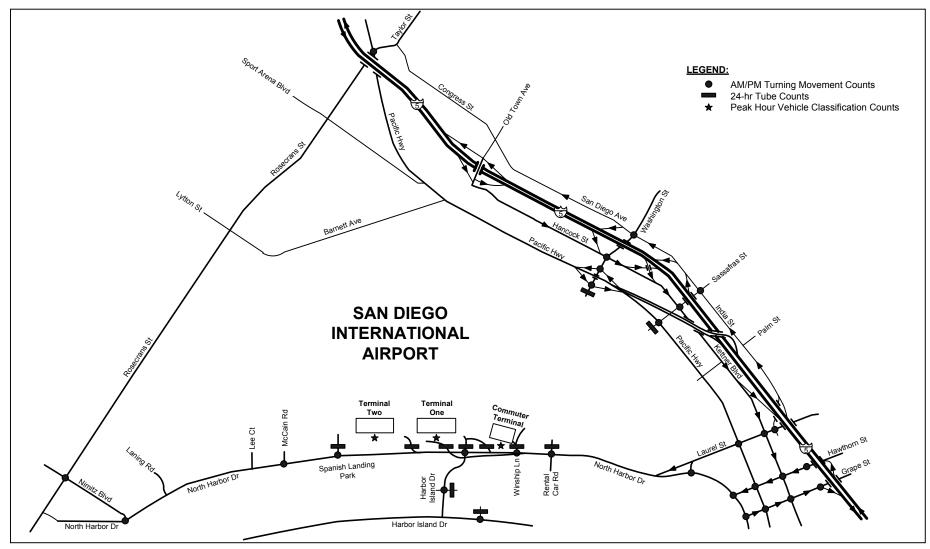
Appendix D.1-2

Study Area

Environmental Impact Report

Source: SANDAG and HNTB Corporation Prepared by: HNTB Corporation, 2007





Appendix D.1-3

Not to Scale

Count Locations

Environmental Impact Report

Source: SANDAG and HNTB Corporation Prepared by: HNTB Corporation, 2007

- On-Airport public parking facilities occupancy and entrance/exit counts
- Airport employee parking facilities occupancy and entrance/exit counts
- Off-Airport public parking facilities occupancy and entrance/exit counts

Additional information on this data collection effort is included in Section 3.4 *Ground Transportation Facilities of the Airport Master Plan (AMP)*.

The SDCRAA also provided data and statistics related to airport and ground transportation operations, including:

- Parking transactions (both public parking and employee parking)
- Ground transportation Automatic Vehicle Identification (AVI) system operations
- Rental car operations
- Air cargo operations

Traffic counts obtained in 2004 were projected to 2005 based on the following assumptions:

- Regional background (non-airport) traffic was assumed to increase in proportion to the 2005 to 2010 annual growth rate interpolated from the SANDAG traffic forecasts for 2005 and 2010.
- Airport-related traffic was assumed to grow in proportion to the SDIA air passenger forecasts presented in Chapter 2.

Additional traffic counts were collected at intersections added to the study area under this Draft Final EIR which were not part of the 2006 Draft EIR include:

- 2006 SDIA NTC Landfill Remediation Traffic Impact Study traffic counts
- August 2007 supplemental traffic counts conducted under this Draft Final EIR

The 2006 and 2007 traffic counts covered new intersections along with some control intersections that were counted in the 2004 <u>Update of Traffic Data for San Diego International Airport</u>. These control counts were used to compare 2004/2005 traffic volumes to 2006/2007 and adjust the new intersection counts to represent 2004 traffic volumes. The estimated 2004 volumes were adjusted as described previously to reflect 2005 volumes, representing existing conditions for the <u>Draft Final EIR traffic analysis</u>.

D.1.3 <u>Traffic Modeling Process</u>

Future roadway traffic volumes were forecast using the Series 10 [San Diego] Regional Transportation Model, which is maintained and run by SANDAG. The traffic model incorporates forecasted airport growth, immediate surrounding growth and regional growth as reflected in the Series 10 socio-economic input data. SANDAG provided model runs for 2005, 2010, 2015, 2020, 2025, and 2030. For each analysis year, SANDAG provided the 24-hour average daily traffic (ADT) volumes by link as well as AM and PM peak hour link volumes by direction. In addition, SANDAG provided 24-hour select zone runs for traffic analysis zones (TAZs) representing the airport. These select zone runs showed the volume of airport-related traffic on each link in the network.

The SANDAG model runs were post-processed as part of the traffic study to account for two major factors:

- The airport-related trip generation assumed in the Series 10 input data was based on the 2000 Airport Master Plan air passenger forecasts. The current Airport Master Plan uses the FAA approved 2004 SDIA passenger forecasts.
- The distribution of airport-related traffic included in the SANDAG regional transportation model indicates that approximately 70% of traffic entering/exiting the airport terminals is arriving and departing to the east toward Pacific Highway and 30% is arriving and departing to the west toward Nimitz Boulevard (70/30 split). The SANDAG Series 10 model (based on the 2020 RTP) assumed implementation of I-8 widening between I-5 and SR-163. As a result, the model shows that more airport traffic would use I-8 to access the airport via Rosecrans Street and Nimitz Boulevard. However, the 2030 RTP no longer assumes the I-8 widening between I-5 and SR-163. In addition, traffic counts conducted for the Update of Traffic Data for the San Diego International Airport report

as well as data provided by the City of San Diego indicate that the airport trip distribution is approximately 85% east of SDIA and 15% west of SDIA (85/15 split). The 85/15 split is assumed in analysis for this study through 2025.

The 2030 RTP assumes implementation of I-5 / I-8 interchange improvements in 2030 that facilitates freeway-to-freeway movements. As a result, more airport traffic would use I-8 to access the airport via Rosecrans Street and Nimitz Boulevard. Therefore, in the analysis for 2030 a 70/30 split of airport traffic east and west of the terminals was assumed, as discussed in Section D.1.6, *Airport Trip Distribution*.

The modeling effort was run for a non-holiday weekday and accounted for the effects of the surrounding at-grade railroad crossings and assumed no direct connectors between I-5 and SDIA.

During preparation of this the 2007 Draft EIR, SANDAG released Series 11 socio-economic data. However, the modeling procedures required to generate Series 11 traffic forecasts and isolate traffic in the airport TAZs was not available at the same time; and as it requires several months to complete the traffic analysis in addition to the time required by SANDAG to run the sub-area routines required to generate traffic model forecasts specific to the airport, the Series 11 data was not available in time to complete the traffic analysis for this the 2007 Draft EIR. However, based on SANDAG's description of the regional traffic included in the Series 10 and Series 11 models it was determined that using Series 10 traffic estimates would provide a conservative base for regional background traffic, generally higher than the Series 11 traffic estimates. The higher base number corresponds to an increased number of roadways and intersections that currently do or in the future will operate at or near unacceptable levels of service. In turn the higher the background traffic the less additional airport traffic required to cause a roadway to erode to unacceptable levels or exceed significance criteria. Main differences between the Series 10 and 11 models, as described by SANDAG include:

- Series 10 uses year 1995 2000 while Series 11 uses year 2000 2004 as the base year for population / employment inputs.
- Series 10 overestimated year 2000 population/employment. Series 11 corrects this by using 2000 as base year and lower population/employment growth rates.
- Series 11 reflects higher housing and employment in the Central area but lower in outer areas than Series 10.
- Series 11 reflects more freeway HOV and toll lanes and fewer GP lanes than the Series 10 model network, representing the 2007 RTP and 2003 RTP, respectively.
- Series 11 was calibrated to year 2000 2004 traffic volumes, while Series 10 model was calibrated to 1995 2000 volumes.

As Series 11 data was not available, Series 10 forecasts were used.

D.1.4 Air Passenger Forecasts

Vehicular traffic forecasts for the different alternatives were based on air passenger forecasts shown in Table D.1-1 D-1. Air passenger forecasts are the same for all alternatives through 2020. Beyond 2020, air passenger activity is constrained by runway and terminal gate capacity limitations. The No Project Alternative forecasts reflect the terminal gate constraints, resulting in lower forecasts than the two project alternatives. The Proposed Airport Land Use Plan is assumed to have the same passenger forecasts as the Proposed Airport Implementation Plan.

Table D-1 **Air Passenger Forecasts**

| AIRPORT ACTIVITY | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|--|---------|---------|---------|---------|---------|---------|
| | | | | | | |
| No Project Alternative | | | | | | |
| Million Annual Passengers (MAP) | 17.7 | 19.5 | 22.8 | 25.3 | 26.5 | 27.0 |
| Annual Air Cargo Tonnage | 187,705 | 233,284 | 322,863 | 436,830 | 522,327 | 622,141 |
| Annual GA Operations | 13,140 | 16,790 | 18,250 | 18,250 | 18,250 | 18,250 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,768 | 66,220 | 69,373 | 70,793 |
| | | | | | | |
| Preferred Airport Implementation Project | | | | | | |
| Million Annual Passengers (MAP) | 17.7 | 19.5 | 22.8 | 25.3 | 26.9 | 28.3 |
| Annual Air Cargo Tonnage | 187,705 | 233,284 | 322,863 | 436,830 | 522,327 | 622,141 |
| Annual GA Operations | 13,140 | 16,790 | 18,250 | 18,250 | 18,250 | 18,250 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,770 | 66,220 | 70,553 | 74,199 |
| Airport Implementation Project Alternative | | | | | | |
| Million Annual Passengers (MAP) | 17.7 | 19.5 | 22.8 | 25.3 | 26.9 | 28.3 |
| Annual Air Cargo Tonnage | 187,705 | 233,284 | 322,863 | 436,830 | 522,327 | 622,141 |
| Annual GA Operations | 13,140 | 16,790 | 18,250 | 18,250 | 18,250 | 18,250 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,769 | 66,220 | 70,553 | 74,199 |

Source: HNTB, 2007.

D.1.5 Traffic Forecasts

D.1.5.1 Regional Background Traffic Forecasts

Regional background traffic for each analysis year was obtained from SANDAG regional transportation model runs for each year (provided by SANDAG). The traffic output for each year includes regional traffic from all traffic analysis zones (TAZs). TAZs represent an area with a homogeneous land use or a combination of related land uses including traffic from proposed development in the area. The regional transportation model divides the entire region (as well as the areas beyond the region) into individual Traffic Analysis Zones (TAZs) including a "zone" for SDIA. Traffic related to the "airport zone" was subtracted based on "select zone" model runs provided by SANDAG. A "select zone" run for the airport TAZ identified airport generated traffic on each roadway and freeway segment in the vicinity of the airport. The resulting traffic represents the non-airport or regional "background" traffic on the roadway network. The forecasts of background traffic for future years include traffic associated with plans and projects accepted by the San Diego City Council and included in SANDAG's Series 10 forecasts. These projects include, but are not limited to the following:

- Naval Training Center/Liberty Station Precise Plan/EIR (January 2000/September 2001)
- North Embarcadero Visionary Plan Final EIR (April 2000)

The Series 10 forecast does not include the following project EIRs, which had not been accepted by the San Diego City Council at the time of the model runs. However, the Series 10 forecasts assumed development at these locations based on General Plan Zoning that is assumed to be similar or more intense than land uses assumed in the EIRs.

- Old Police Headquarters and Park Project Draft EIR (July 2005) or Final EIR (February 2006)
- Centre City Development Corporation (CCDC) Master Plan Draft EIR (July 2005) or Final EIR (January 2006)
- Woodfin Suites Hotel and Port Master Plan Amendment Project Draft EIR (March 2006)

Background traffic continues to grow in the vicinity of SDIA due to increased development of hotels and other visitor serving development. For example under the NTC/Liberty Station EIR a 650 room Nickelodeon (recreation) hotel and 350 room business hotel are being developed immediately west of SDIA (the EIR reflected a 350 room recreational and 650 room business hotel).

D.1.5.2 Airport Traffic

The regional transportation model divides the entire region (as well as the areas beyond the region) into Traffic Analysis Zones (TAZs). The TAZs typically represent an area with a homogeneous land use or a combination of related land uses.

SANDAG provided select zone runs of the regional transportation model for the analysis years 2005 to 2030. These select zone runs show how airport traffic distributes over the regional roadway network, but the volumes were not used in the traffic analysis. Airport traffic for the analysis was estimated as discussed in Section D.1.6 *Airport Trip Generation*.

D.1.6 Airport Trip Generation

Airport trip generation as used in this analysis represents the total *vehicular* traffic associated with the airport under each alternative. Unless otherwise indicated, trip generation includes both inbound and outbound traffic. For analysis purposes, trip generation is typically estimated for daily (24-hour) and peak hour (AM and PM) conditions. SDIA trip generation rates were estimated by relating traffic counts conducted at the airport entrances and exits to existing air passenger activity levels. Trip generation rates of other land uses that are not driven by passenger demand were based on SANDAG³ and City of San Diego⁴ trip generation rates and are presented in the associated alternatives description in this Appendix.

Although air passenger forecasts through 2020 are the same for all alternatives, the airport trip generation differs among the alternatives because of landside constraints associated with the No Project Alternative (limited terminal parking and curb frontage, among others). Under the No Project Alternative, parking constraints are expected to force passengers to either use off-site parking facilities or switch to alternate modes, including curbside drop-off, taxis, shared ride vans and transit. Passengers diverted to off-site parking facilities are still considered to contribute to and do not reduce the total airport trip generation. Additional shuttles would be required to accommodate these passengers. Diversion of passengers to curbside drop-off or taxis would add to curbside congestion and increase terminal area trips while the diversion of passengers to modes with higher occupancies (e.g., transit and shared ride vans) would result in reduction in total airport trips.

Beyond 2020, trip generation differs for each alternative due to the divergence of air passenger forecasts, as discussed previously.

The Proposed Airport Land Use Plan was assumed to represent a full build-out of proposed Airport Land Uses in 2015. The Proposed Airport Land Use Plan would accommodate the same passengers as the Proposed Airport Implementation Plan with additional traffic generating land uses proposed along North Harbor Drive and Pacific Highway.

Trip generation rates were developed for various airport activity centers (terminal curbside, terminal and remote parking, employee parking, rental car facilities, etc.). The different alternatives would result in different shuttle route configurations. Therefore, shuttle trips were accounted for separately from private vehicle and other unscheduled ground transportation modes. Trip rates were estimated for private vehicle and other modes. For these modes of transportation, the same trip rates were used in the future. Future shuttle trips were assumed to operate with the same headways/schedule as existing shuttles and accommodate passenger growth through increased passenger loading, until a need for additional shuttle trips is warranted.

Table D-2 shows the estimated trip generation for the alternative project scenarios.

The Proposed Airport Land Use Plan was assumed to represent a full build-out of proposed Airport Land Uses in 2015. The Proposed Airport Land Use Plan would accommodate the same passengers as the Proposed Airport Implementation Plan with additional traffic generating land uses proposed along North Harbor Drive and Pacific Highway. Total trip generation for the Land Use Plan is shown in **Table D-3** and specific project related trip generation is shown in the Land Use Plan discussion in Section D.5, *Proposed Project*.

SANDAG, (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002.

⁴ City of San Diego, Trip Generation Manual, revised May 2003.

The distribution of passengers (and traffic) among terminals would differ among the alternatives, as shown in **Table D-4**. The change in passenger distribution between terminals would result in redistribution of traffic at the terminal access driveways along North Harbor Drive. However, the change in passenger distribution would not affect the regional traffic pattern outside of the airport which is assumed to be the same for all alternatives.

Table D-2
Airport Trip Generation

No Project Alternative (includes existing)

| Airport Trip Generation (1) | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------------------------|--------|--------|---------|---------|---------|---------|
| Daily | 85,100 | 94,500 | 109,350 | 120,400 | 126,000 | 128,750 |
| In | 42,600 | 47,300 | 54,750 | 60,250 | 63,050 | 64,400 |
| Out | 42,500 | 47,200 | 54,600 | 60,150 | 62,950 | 64,350 |
| AM Peak Hour | 3,180 | 3,530 | 4,090 | 4,500 | 4,750 | 4,850 |
| In | 1,760 | 1,955 | 2,260 | 2,500 | 2,600 | 2,665 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,185 |
| PM Peak Hour | 3,245 | 3,610 | 4,185 | 4,600 | 4,850 | 4,965 |
| In | 1,500 | 1,670 | 1,940 | 2,150 | 2,250 | 2,310 |
| Out | 1,745 | 1,940 | 2,245 | 2,500 | 2,600 | 2,655 |

Proposed Airport Implementation Plan (with Parking Structure)

| Airport Trip Generation (1) | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------------------------|--------|---------|---------|---------|---------|
| Daily | 94,600 | 109,500 | 120,900 | 128,500 | 135,000 |
| ln | 47,350 | 54,800 | 60,500 | 64,300 | 67,550 |
| Out | 47,250 | 54,700 | 60,400 | 64,200 | 67,450 |
| AM Peak Hour | 3,530 | 4,095 | 4,550 | 4,800 | 5,070 |
| In | 1,955 | 2,265 | 2,500 | 2,650 | 2,790 |
| Out | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,620 | 4,190 | 4,650 | 4,950 | 5,205 |
| In | 1,675 | 1,940 | 2,150 | 2,300 | 2,415 |
| Out | 1,945 | 2,250 | 2,500 | 2,650 | 2,790 |

Proposed Airport Implementation Plan (without Parking Structure)

| Airport Trip Generation (1) | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------------------------|--------|---------|---------|---------|---------|
| Daily | 94,600 | 109,500 | 120,650 | 128,200 | 134,600 |
| In | 47,350 | 54,800 | 60,400 | 64,150 | 67,350 |
| Out | 47,250 | 54,700 | 60,300 | 64,050 | 67,250 |
| AM Peak Hour | 3,530 | 4,095 | 4,500 | 4,800 | 5,065 |
| In | 1,955 | 2,265 | 2,500 | 2,650 | 2,785 |
| Out | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,620 | 4,190 | 4,650 | 4,950 | 5,185 |
| In | 1,675 | 1,940 | 2,150 | 2,300 | 2,410 |
| Out | 1,945 | 2,250 | 2,500 | 2,650 | 2,775 |

Airport Implementation Plan Alternative (with Parking Structure)

| Airport Trip Generation (1) | 2010 | 2015 | 2020 | 2025 | 2030 |
|-----------------------------|--------|---------|---------|---------|---------|
| Daily | 94,600 | 109,500 | 120,800 | 128,400 | 134,850 |
| In | 47,350 | 54,800 | 60,450 | 64,250 | 67,500 |
| Out | 47,250 | 54,700 | 60,350 | 64,150 | 67,400 |
| AM Peak Hour | 3,530 | 4,095 | 4,550 | 4,800 | 5,070 |
| In | 1,955 | 2,265 | 2,500 | 2,650 | 2,790 |
| Out | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,620 | 4,190 | 4,650 | 4,950 | 5,195 |
| In | 1,675 | 1,940 | 2,150 | 2,300 | 2,415 |
| Out | 1,945 | 2,250 | 2,500 | 2,650 | 2,780 |

Airport Implementation Plan Alternative (without Parking Structure)

| Airport Trip Generation (1) | 201 | 0 20 | 015 2020 | 2025 | 2030 |
|-----------------------------|------|--------|--------------|-----------|---------|
| Daily | 94,6 | 00 109 |),500 120,70 | 0 128,250 | 134,700 |
| <u>In</u> | 47,3 | 50 54, | ,800 60,400 | 64,200 | 67,400 |
| Out | 47,2 | 50 54, | ,700 60,300 | 64,100 | 67,300 |
| AM Peak Hour | 3,53 | 0 4,0 | 095 4,500 | 4,800 | 5,065 |
| In | 1,95 | 5 2,2 | 265 2,500 | 2,650 | 2,785 |
| Out | 1,57 | 5 1,8 | 830 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,62 | 0 4, | 190 4,650 | 4,950 | 5,185 |
| <u>In</u> | 1,67 | 5 1,9 | 940 2,150 | 2,300 | 2,410 |
| Out | 1,94 | 5 2,2 | 250 2,500 | 2,650 | 2,775 |

Source: HNTB, 2007.

Notes:

Table D-3

Airport Trip Generation – Proposed Airport Land Use Plan

Land Use Plan

| Airport Trip Generation (1) | 2015 | 2020 | 2025 | 2030 |
|-----------------------------|---------|---------|---------|---------|
| Daily | 122,600 | 134,300 | 142,150 | 148,450 |
| In | 61,450 | 67,300 | 71,250 | 74,400 |
| Out | 61,150 | 67,000 | 70,900 | 74,050 |
| AM Peak Hour | 4,690 | 5,140 | 5,445 | 5,700 |
| In | 2,725 | 2,990 | 3,170 | 3,315 |
| Out | 1,965 | 2,150 | 2,275 | 2,385 |
| PM Peak Hour | 4,850 | 5,280 | 5,570 | 5,810 |
| <u>In</u> | 2,350 | 2,550 | 2,690 | 2,810 |
| Out | 2,500 | 2,730 | 2,880 | 3,000 |

Source: HNTB, 2007.

Numbers may not add due to rounding.

Notes:

⁽¹⁾ Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

⁽¹⁾ Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Table D-4 **Terminal Passenger Distribution**

| | | Terminal 1 | Terminal 2 | Terminal 2 | Commuter | |
|---|------------|------------|------------|------------|----------|-------|
| Scenario/Year | Terminal 1 | East * | East | West | Terminal | Total |
| Existing | | | | | | |
| 2005 | 54% | 0% | 15% | 26% | 5% | 100% |
| No Project Alternative | | | | | | |
| 2010 | 52% | 0% | 25% | 19% | 5% | 100% |
| 2015 | 51% | 0% | 27% | 18% | 4% | 100% |
| 2020 | 54% | 0% | 23% | 19% | 4% | 100% |
| 2025 | 53% | 0% | 23% | 21% | 3% | 100% |
| 2030 | 53% | 0% | 24% | 21% | 3% | 100% |
| Proposed Airport Implementation Plan | | | | | | |
| 2010 | 45% | 0% | 20% | 31% | 4% | 100% |
| 2015 | 43% | 0% | 20% | 33% | 3% | 100% |
| 2020 | 43% | 0% | 19% | 34% | 3% | 100% |
| 2025 | 43% | 0% | 19% | 35% | 3% | 100% |
| 2030 | 41% | 0% | 19% | 37% | 3% | 100% |
| Airport Implementation Plan Alternative | | | | | | |
| 2010 | 20% | 36% | 25% | 18% | 0% | 100% |
| 2015 | 20% | 36% | 25% | 20% | 0% | 100% |
| 2020 | 23% | 35% | 23% | 19% | 0% | 100% |
| 2025 | 23% | 34% | 23% | 20% | 0% | 100% |
| 2030 | 24% | 32% | 23% | 20% | 0% | 100% |

Source: HNTB, 2007.

D.1.7 Regional Trip Distribution

The SANDAG regional traffic model was used to determine how airport traffic distributes over the regional roadway network. The SANDAG regional traffic model was calibrated using the following transportation surveys conducted throughout the San Diego County in between 1991 and 2000.

- 1991 San Diego Visitor Survey
- 1995 Travel Behavior Survey
- 1995 San Diego Regional Transit Survey
- External Trip Surveys
- Traffic Generation Studies
- 2000 Census Transportation Planning Package

SANDAG also used additional data sources such as traffic counts from Caltrans and local jurisdictions, transit passenger counts from SANDAG's Transit Passenger Counting Program, and SANDAG's Vehicle Occupancy and Classification Study to verify model estimates against independent data.

Table D-5 shows the distribution of airport traffic among various cities/planning areas in San Diego County and beyond. Figure D.1-4 shows the pattern of airport-related traffic at SDIA. As shown, approximately 66% of the total airport traffic currently uses the I-5 and I-8 freeways, the remaining 34% uses local streets. Of the freeway users, 34% are oriented towards I-5 south, 17% towards I-5 north, and the remaining 15% towards I-8 east.

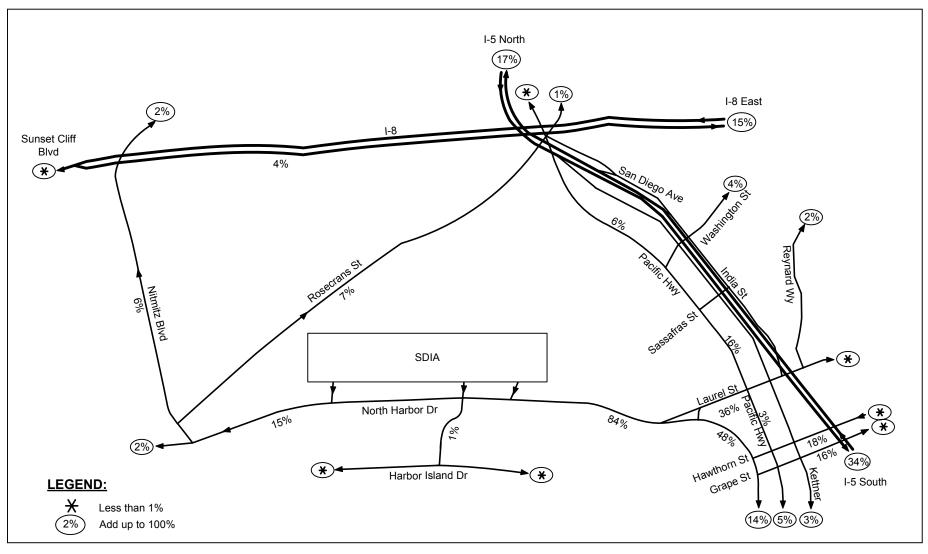
As discussed in **Section D.1.3**, *Traffic Modeling*, based on traffic counts at terminal driveways and traffic counts provided by the City of San Diego along North Harbor Drive, approximately 85% of SDIA terminal traffic is oriented to the east, and the remaining 15% is oriented to the west of SDIA (85/15 split). Traffic

^{*} New unit terminal under Airport Implementation Project Alternative.

SANDAG regional transportation model.

This pattern was derived from a select zone run of the SANDAG regional transportation model. The select zone run specifically identified the Traffic Analysis Zones (TAZs) representing the airport, and determines the volume of traffic on the roadway network associated with the airport TAZs.





Not to Scale

Appendix D.1-4

Existing Airport Traffic Pattern

Environmental Impact Report

Source: CalTrans, SANDAG and HNTB Corporation

Prepared by: HNTB Corporation, 2007

counts conducted in 2006 and 2007 for this traffic analysis validate the 85/15 assumption and similar traffic volumes at intersections along North Harbor Drive are witnessed in both actual traffic counts and the 2005 traffic analysis calculations based on the SANDAG transportation model background traffic with airport trip generation estimates. For example the following intersections show more traffic east and less traffic west of SDIA in current traffic counts matching traffic analysis using updated SDIA passenger forecasts and the 85/15 split.

North Harbor Drive west of McCain road (west of SDIA):

- DEIR traffic analysis for 2005: 26,400 ADT
- SANDAG model with Airport TAZ and 70/30 split for 2005: 41,700 ADT
- o NTC Landfill DEIR 2006 traffic counts: 26,900 ADT

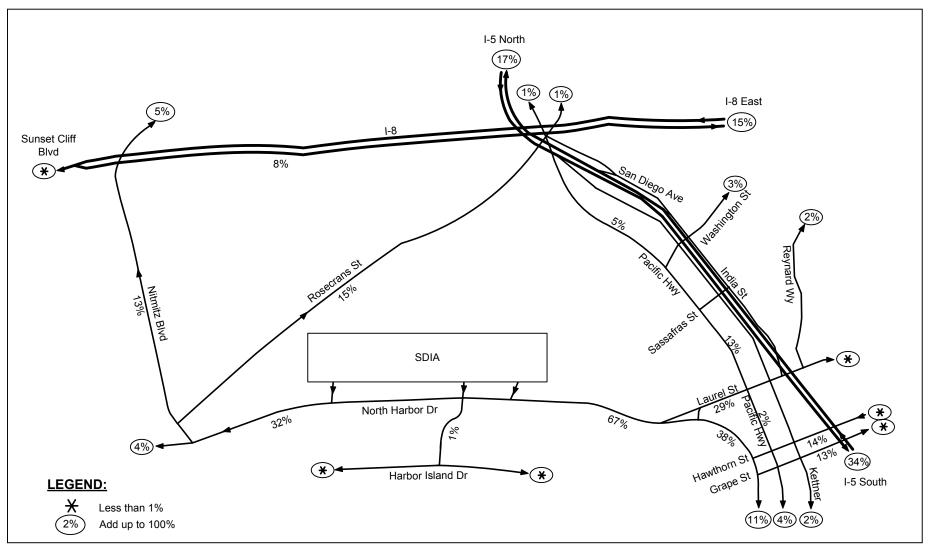
North Harbor Drive between Harbor Island and the Terminal 1 entrance (east of SDIA):

- o DEIR traffic analysis for 2005: 36,600 ADT
- SANDAG model with Airport TAZ and 70/30 split: 31,700 ADT
- o NTC Landfill DEIR 2006 traffic counts: 35,200 ADT

This pattern was assumed to remain constant through 2025. It is further assumed that this pattern would remain the same among all alternatives analyzed.

In 2030, the SANDAG model assumed implementation of I-5 / I-8 interchange improvements that facilitates the freeway-to-freeway movement. As a result, the model shows that more airport traffic would use I-8 to access the airport via Rosecrans Street and Nimitz Boulevard. Therefore, for 2030, a 70/30 split was assumed for the airport traffic pattern, as shown in **Figure D.1-5**.





Not to Scale

Appendix D.1-5

2030 Airport Traffic Pattern

Environmental Impact Report

Table D-5

Distribution of SDIA Traffic by Location

| Location | Percent |
|------------------------------|---------|
| 32nd Street Naval Station | 0.1% |
| Balboa Park | 0.0% |
| Barrio Logan | 0.1% |
| Black Mountain Ranch | 0.6% |
| CARLSBAD | 5.8% |
| Carmel Mountain Ranch | 0.5% |
| Carmel Valley | 0.8% |
| Centre City | 8.8% |
| CHULA VISTA | 4.6% |
| Clairemont Mesa | 1.6% |
| College Area | 0.6% |
| CORONADO | 1.1% |
| DEL MAR | 0.3% |
| Del Mar Mesa | 0.2% |
| East Elliott | 0.0% |
| EL CAJON | 2.4% |
| ENCINITAS | 1.6% |
| ESCONDIDO | 2.9% |
| Fairbanks Country Club | 0.0% |
| Flower Hill | 0.0% |
| Greater Golden Hill | 0.3% |
| Greater North Park | 1.0% |
| Harbor | 0.0% |
| IMPERIAL BEACH | 0.4% |
| Kearny Mesa | 1.9% |
| La Jolla | 1.0% |
| LA MESA | 1.3% |
| LEMON GROVE | 0.5% |
| Linda Vista | 0.5% |
| Lindbergh Field | 1.2% |
| Mid-City:City Heights | 1.0% |
| Mid-City:Eastern Area | 0.7% |
| Mid-City:Kensington-Talmadge | 0.3% |
| Mid-City:Normal Heights | 0.3% |
| Midway-Pacific Highway | 0.5% |
| Mira Mesa | 3.1% |
| Miramar Air Station | 0.1% |
| Miramar Ranch North | 0.4% |
| Mission Bay Park | 1.5% |

| Location | Percent |
|-------------------------------------|---------|
| Mission Beach | 0.4% |
| Mission Valley | 4.1% |
| NATIONAL CITY | 1.1% |
| Navajo | 1.2% |
| NCFUA Subarea 2 | 0.0% |
| Ocean Beach | 0.3% |
| OCEANSIDE | 4.1% |
| Old San Diego | 0.1% |
| Otay Mesa | 1.0% |
| Otay Mesa-Nestor | 0.8% |
| OUTSIDE SD COUNTY | 3.6% |
| Pacific Beach | 1.0% |
| Pacific Highlands Ranch | 0.2% |
| Peninsula | 2.2% |
| POWAY | 1.3% |
| Rancho Bernardo | 1.4% |
| Rancho Encantada | 0.0% |
| Rancho Penasquitos | 0.8% |
| Sabre Springs | 0.2% |
| SAN MARCOS | 1.8% |
| San Pasqual | 0.0% |
| San Ysidro | 0.6% |
| SANTEE | 1.2% |
| Scripps Miramar Ranch | 0.5% |
| Serra Mesa | 0.4% |
| Skyline-Paradise Hills | 0.8% |
| SOLANA BEACH | 0.5% |
| Southeastern:Encanto Neighborhoods | 0.6% |
| Southeastern:Southeastern San Diego | 0.7% |
| Tierrasanta | 0.5% |
| Tijuana River Valley | 0.0% |
| Torrey Highlands | 0.1% |
| Torrey Hills | 0.1% |
| Torrey Pines | 0.4% |
| UNINCORPORATED | 13.2% |
| University | 3.0% |
| Uptown | 1.2% |
| Via De La Valle | 0.0% |
| VISTA | 2.1% |

Source: SANDAG TOTAL AIRPORT TRIPS 100.0%

D.1.8 Street Segment Operations

The ability of the transportation infrastructure surrounding the airport to carry future regional and airport traffic was measured using analytical tools that quantify operations of various types of transportation facilities. The ability of the transportation infrastructure to carry traffic was quantified using a Level-of-Service (LOS) designation, as set forth in the *Highway Capacity Manual.*⁷ This designation is utilized in the transportation profession to quantify the performance of a facility. Levels of service vary from LOS A (free flow, little delay) to LOS F (heavily congested, breakdowns in vehicular flow) as described below.

- LOS A describes primarily free-flow operations. Average operating speeds at the free-flow speed generally prevail. Vehicles are almost completely unimpeded in their ability to maneuver within the traffic stream.
- LOS B also represents reasonably free flow, and free-flow speeds are generally maintained. The ability to maneuver within the traffic stream is only slightly restricted, and the general level of physical and psychological comfort provided to drivers is still high.
- LOS C provides for flow with speeds still at or near the free-flow speed of the roadway. Freedom to
 maneuver within the traffic stream is noticeably restricted at LOS C, and lane changes require more
 vigilance on the part of the driver. The driver now experiences a noticeable increase in tension
 because of the additional vigilance required for safe operation.
- LOS D is the level at which speeds begin to decline slightly with increasing flows. In this range, density begins to deteriorate somewhat more quickly with increasing flows. Freedom to maneuver within the traffic stream is more noticeably limited, and the driver experiences reduced physical and psychological comfort levels.
- LOS E describes operation at capacity. Operations in this level are volatile, because there are
 virtually no usable gaps in the traffic stream. At capacity, the traffic stream has no ability to dissipate
 even the most minor disruptions, and any incident can be expected to produce a serious breakdown
 with extensive queuing.
- LOS F describes breakdowns in vehicular flow. Such conditions generally exist within queues forming behind breakdown points such as traffic incidents and recurring points of congestion. Whenever LOS F conditions exist, there is a potential for them to extend upstream for significant distances.

The ability of the roadway segments to carry traffic was measured using City of San Diego roadway capacity standards as shown in **Table D-6**.

Roadway segments were assessed by comparing daily roadway volumes to a theoretical daily capacity of the roadway based on City standards. The established City standards were modified, with collaboration and concurrence from City staff, for portions of North Harbor Drive to reflect non-standard (7- to 8-lane) roadway cross sections.

⁷ Transportation Research Board, Highway Capacity Manual, 2000.

Table D-6
Street Segment Level of Service Criteria

| Classification | Roadway Capacity (vehicles per day) | | | | | | | | | |
|--|-------------------------------------|--------|--------|--------|--------|--|--|--|--|--|
| Classification | LOS A | LOS B | LOS C | LOS D | LOS E | | | | | |
| 8-Lane Prime Arterial (North Harbor Drive) 1 | 30,000 | 40,000 | 60,000 | 65,000 | 70,000 | | | | | |
| 7-Lane Prime Arterial (North Harbor Drive) 1 | 27,500 | 37,500 | 55,000 | 60,000 | 65,000 | | | | | |
| 6-Lane Prime Arterial (North Harbor Drive) | 25,000 | 35,000 | 50,000 | 55,000 | 60,000 | | | | | |
| 6-Lane Major Arterial (Pacific Highway) | 20,000 | 28,000 | 40,000 | 45,000 | 50,000 | | | | | |
| 4-Lane Major Arterial (Laurel Street) | 15,000 | 21,000 | 30,000 | 35,000 | 40,000 | | | | | |
| 3-Lane Major Arterial 1-Way (Grape/Hawthorn/Kettner) | 10,000 | 14,000 | 20,000 | 22,500 | 25,000 | | | | | |
| 4-Lane Collector (Laurel/Washington) | 10,000 | 14,000 | 20,000 | 25,000 | 30,000 | | | | | |
| 3-Lane Collector (Sassafras Street) | 3,800 | 5,300 | 7,500 | 9,800 | 12,000 | | | | | |
| 2-Lane Collector (Palm Street) | 2,500 | 3,500 | 5,000 | 6,500 | 8,000 | | | | | |

Source: SANTEC / ITE, Guidelines for Traffic Impact Studies in the San Diego Region, March 2, 2000.

Prepared by: HNTB Corporation, 2007.

Note:

D.1.9 Intersection Operations

The analysis of key intersections is based on Highway Capacity Manual (HCM) methodologies. HCM uses control delay (expressed in terms of seconds of delay per vehicle, sec/veh) as the measure of effectiveness for both signalized and unsignalized intersections. Intersection level of service is defined based on the criteria shown in Table D-7. The intersection analysis uses the TRAFFIX traffic analysis program for most of the signalized intersections analyzed and the SYNCHRO program for 5-leg intersections. Both programs implement the HCM intersection analysis methodologies. Delay resulting from railroad crossings at intersections along Washington, Sassafras, Laurel, Palm and Hawthorn and Grape was incorporated into the LOS analysis.

Future intersection volumes were not generated by the forecast model, but through the following steps:

- Using the existing peak hour airport trip generation and trip distribution pattern, existing airport-related turning volumes were estimated.
- Existing airport-related peak hour turning volumes were subtracted from existing intersection counts to obtain the non-airport background turning volumes.
- The background turning volumes were factored up to future analysis years based on traffic growth rates indicated by the SANDAG model runs.
- Future airport-related turning volumes were estimated using future airport trip generation and assumed trip distribution pattern.
- Future intersection volumes were determined by adding the future airport-related turning volumes to the future background traffic.

¹ Roadway capacities for 8- and 7-lane Prime Arterials prorated from 6-lane Prime Arterial capacity based on discussions with the City of San Diego, July 18, 2007.

⁸ Transportation Research Board, <u>Highway Capacity Manual</u>, 2000.

Table D-7
Intersection Level of Service Criteria

| Level of Service (LOS) | Signalized Intersection Control Delay (sec/veh) | Unsignalized Intersection Control Delay (sec/veh) |
|------------------------|--|---|
| A | 0 - 10 | 0 - 10 |
| В | > 10 - 20 | > 10 - 15 |
| С | > 20 - 35 | > 15 - 25 |
| D | > 35 - 55 | > 25 - 35 |
| E | > 55 - 80 | > 35 - 50 |
| F | > 80 | > 50 |

Source: HCM 2000.

D.1.10 Freeway Segment Operations

Freeway operations were analyzed based on methods used by Caltrans, as set forth in the <u>Caltrans Guide for the Preparation of Traffic Impact Studies</u>. ⁹ Caltrans prescribes the use of HCM¹⁰ operational analysis methodology for freeway segments, which was utilized for this analysis. The HCM uses density to measure freeway segment level of service. Density represents the number of passenger cars (equivalent) per mile per lane (pc/mi/ln). The higher the density, the more vehicles are found on a given stretch of freeway, and the more congested the traffic conditions are. Freeway segment level of service is defined according to **Table D-8**.

The Caltrans TIS Guide states that "Caltrans endeavors to maintain a target LOS C at the transition between LOS C and LOS D on State highway facilities; however, Caltrans acknowledges that this may not always be feasible. If an existing State highway facility is operating at less than the appropriate target LOS, the existing MOE [measure of effectiveness] should be maintained." ¹¹ All freeway segments within the study area are currently operating at LOS D or less, with the exception of North Bound I-5 between the Pacific Highway viaducts and Washington Street and South Bound I-5 between SR 163 and SR 94. City of San Diego significance criteria interpreted from CEQA guidelines was used to estimate impacts to freeways as discussed in Section D.1.

Table D-8
Freeway Segment Level of Service Criteria

| Level of Service (LOS) | Maximum Density (pc/mi/ln) | Minimum Speed (mph) | Maximum v/c | Maximum Service Flow Rate (pc/hr/ln) |
|---------------------------|----------------------------------|------------------------|-------------|--|
| Α | 11 | 65.0 | 0.30 | 710 |
| В | 18 | 65.0 | 0.50 | 1,170 |
| С | 26 | 64.6 | 0.71 | 1,680 |
| D | 35 | 59.7 | 0.89 | 2,090 |
| E | 45 | 52.2 | 1.00 | 2,350 |
| F | > 45 | < 52.2 | > 1.00 | NA |

Source: HCM 2000.

D.1.11 Freeway Ramp Operations

Freeway on-ramp ramp operations were analyzed based on methods set forth in the <u>SANTEC/ITE</u> <u>Guidelines for Traffic Impact Studies in the San Diego Region</u>. ¹² Freeway on-ramp operations were quantified by determining if the maximum ramp meter rates (defined as the maximum number of vehicles

⁹ Caltrans, Guide for the Preparation of Traffic Impact Studies, December 2002.

Transportation Research Board, *Highway Capacity Manual*, 2000.

Caltrans, Guide for the Preparation of Traffic Impact Studies, December 2002.

SANTEC and ITE, SANTEC/ITE Guidelines for Traffic Impact Studies in the San Diego Region, March 2000.

processed each hour) were over or under the forecasted ramp volumes and calculating the minutes of delay if ramp volumes exceeded meter rates. Minutes of delay were calculated by dividing excess vehicle demand (peak hour traffic volume minus the meter rate) by the set meter rate and multiplying by 60 minutes/hour. Queue lengths were estimated by multiplying excess vehicle demand by 29 feet divided by the number of lanes on the ramp, as indicated in Attachment B of the SANTEC/ITE Guidelines.

Ramp meter rates were obtained from Caltrans and the specific on-ramps analyzed within the study area were coordinated with Caltrans staff.

D.1.12 Railroad Crossing Operations

Railroad crossing delays were analyzed in terms of daily vehicle hours of delay (VHD). VHD was calculated based on (1) existing and forecast Trolley, Coaster, and Amtrak schedules, (2) average gate down time for each type of train at each crossing, estimated at 50 seconds for Trolley and Coaster and Amtrak trains and 4 minutes for freight trains, (3) a 40% increase in gate down time (average 70 seconds) for Trolley crossings at Washington Street to account for the proximity of the station, and (4) proportion of crossings occurring during the AM, midday and PM peak hours and late evening/early morning hours.

VHD values were compared to a set of thresholds (**Section D.2.2 D.3.6**) to determine whether grade separation is warranted.

D.1.13 Transit Operations

Existing and future transit routes within the study area were identified. These routes were compared to the alternatives to determine the impact, if any, of the alternative. SDCRAA is also leading a multiple transit agency committee to assess transit demand and to improve public transit access to SDIA.

In addition, the Proposed Airport Land Use Plan designates a ground transportation use along the Pacific Highway corridor and a dedicated transit corridor is proposed to connect the north and south Airport areas.

D.1.14 Parking Operations

The alternatives examined included scenarios with and without parking structure.

As air passenger activity grows in the future, existing terminal parking supply becomes inadequate to accommodate parking demand. If new terminal parking facilities were not constructed as in the No Project Alternative, parking supply constraints would force some air passengers to either park at remote parking facilities or switch to alternate modes of transportation.

To analyze the potential traffic redistribution associated with constrained parking supply (under the No Project Alternative) or new terminal parking facilities (under the Implementation Plan and Implementation Plan Alternative), parking demand was estimated and "excess" parking demand was reallocated as follows:

- Parking demand at each terminal was estimated based on the methodology presented in the Airport Master Plan. That methodology estimates short-term, long-term and economy parking demand based on air passenger forecasts and demand ratios derived from existing operations and represents unconstrained demand.
- Parking demand at each terminal was allocated to available parking areas. Short-term parking
 demand at each terminal was first allocated to the associated terminal's parking facility. Longterm parking demand was then allocated to the remaining terminal parking spaces. When
 space was not available at the designated terminal, excess long-term demand was allocated
 to available spaces in an adjacent terminal parking facility. If no space remained in the
 terminal parking facilities, excess long-term demand was allocated to nearby Airport-operated
 remote parking facilities (SAN Park), privately-operated remote parking facilities or alternative
 modes (e.g. curbside drop-off/pick-up, taxis, shared-ride vans, transit)
- Economy parking demand, representing price sensitive parkers, was allocated to the nearest Airport-operated SAN Park facility. Excess economy parkers were allocated to privately-operated remote facilities.

Parking demand (prior to reallocation as described above) and supply available under each alternative were compared to determine if the alternative would result in a parking surplus or deficit.

D.1.15 Terminal Curbside Operations

Curb frontage provided by the project/alternative was compared to curb requirements estimated in the AMP to determine if the project/alternative would result in curb frontage surplus or deficit.

D.1.16 On-Airport Traffic Circulation

On-airport (terminal area) traffic circulation was analyzed by comparing peak hour roadway volumes to capacities. On-airport roadways (excluding curb roadways) were assumed to have a per-lane capacity of 900 vehicles per hour per lane. The HCM does not provide LOS criteria for low speed roadways such as airport roadways, which can typically operate at speeds less than 25 mph. The HCM provides LOS criteria for roadways with design speeds of 25 mph or higher. The volume to capacity ratios used in this study for on-airport roadways were based on extrapolation of HCM criteria to airport roadway conditions. Corresponding on-airport roadway level of service criteria is presented **Table D-9**.

Table D-9
On-Airport Roadway Level of Service Criteria

| Level of Service (LOS) | Volume-to-Capacity Ratio (V/C) |
|------------------------|--------------------------------|
| A | 0.26 |
| В | 0.44 |
| С | 0.64 |
| D | 0.82 |
| E | 1.00 |
| F | > 1.00 |

Source: HCM 2000 and HNTB analysis.

D.2 Traffic Impacts and Significance Criteria

Traffic impacts of a project alternative were identified by comparing the traffic operations under the project alternative against the No Project Alternative. Any increase in traffic volumes under the project were then compared to the significance criteria presented in this section to determine if the increase results in a significant impact to the associated street, intersection, freeway, on-ramp, etc.

Significance criteria for freeway segments and metered on-ramps, street/roadway segments, intersection parking were derived from the City of San Diego Development Services Department's <u>CEQA Significance Determination Thresholds</u> guidelines dated January 2007. Based on these guidelines, a significant impact would occur under the following conditions.

- If a freeway, street/roadway segment or intersection operates at LOS D or better without the project, and the project causes the LOS to deteriorate to LOS E or LOS F (regardless of the change in delay, speed or volume-to-capacity ratio), then the impact is considered significant.
- If a freeway, street/roadway segment, or intersection operates at LOS E or F without the project and the project causes an increase in delay or reduction in speed or volume-to-capacity ratio above the thresholds summarized in **Table D-10**, then the impact is considered significant. If the LOS remains at E or F and any increase in delay or reduction in speed, or volume-to-capacity ratio is within the allowable threshold summarized in **Table D-10**, then the impact is not significant.
- If a metered freeway ramp experiences delays less than 15 minutes without the project and the project causes delays to exceed 15 minutes the impact is considered significant.
- If a metered freeway ramp experiences delays greater than 15 minutes without the project and

¹³ FHWA and FAA, Intermodal Ground Access to Airports – A Planning Guide, Final Report, December 1996.

the project causes an increase in delay above the threshold summarized in Table D-10 or ramp storage capacities are exceeded then the impact would be considered significant.

- If the project is deficient by more than 10% of the required amount of parking the impact would be considered significant if one of the following occurs:
 - 1) Parking shortfall or displacement of existing parking would substantially affect the availability of parking in an adjacent residential area, including the availability of public parking, or
 - 2) Parking deficiency would severely impede the accessibility of a public parking facility, such as a park or beach.

Table D-10

Traffic Impact Significance Thresholds

| | | Allowable Change Due to Project Impacts** | | | | | | | | | | | |
|---|-------|---|------|----------------|---------------|------------------|--|--|--|--|--|--|--|
| Level of Service with Project* | Free | ways | | dway nents | Intersections | Ramp Metering | | | | | | | |
| roject | V/C | Speed (mph) | V/C | Speed (mph) | Delay (sec.) | Delay (min.) | | | | | | | |
| E (or ramp meter delays above 15 min. see note 1) | 0.01 | 1.0 | 0.02 | 1.0 | 2.0 | 2.0 | | | | | | | |
| F (or ramp meter delays above 15 min. see note 2) | 0.005 | 0.5 | 0.01 | 0.5 | 1.0 | 1.0 | | | | | | | |

Note 1: The allowable increase in delay at a ramp meter with more than 15 minutes delay and freeway level of service (LOS) E is 2 minutes.

Note 2: The allowable increase in delay at a ramp meter with more than 15 minutes delay and freeway level of service (LOS) F is 1 minute.

Key:

V/C = Volume to Capacity ratio

Speed = Speed measured in miles per hour

Delay = Average control delay per vehicle measured in seconds for intersections, or minutes for ramp meters

LOS = Level of Service

Source: City of San Diego - Development Services Department, CEQA, Significance Determination Thresholds, January 2007

In addition, significance criteria for railroad crossings were derived from the California Utilities Commission, and best practice management was used to determine significance criteria for transit,

^{*} All level of service (LOS) measurements are based upon Highway Capacity Manual (HCM) procedures for peak hour conditions. However, V/C ratios for roadway segments may be estimated on an ADT/24-hour traffic volume basis (using Table 2 of the City's Traffic Impact Study Manual. The acceptable LOS for freeways, roadways and intersections is generally "D" ("C" for undeveloped locations). For metered freeway ramps, LOS does not apply. However, ramp meter delays above 15 minutes are considered excessive.

^{**} If a proposed project's traffic causes the values shown in the table to be exceeded, the impacts are determined to be significant. The project applicant shall then identify feasible improvements (within the Traffic Impact Study) that will restore/and maintain the traffic facility at an acceptable LOS. If the LOS with the proposed project becomes unacceptable (see above * note), or if the project adds a significant amount of peak-hour trips to cause any traffic queues to exceed on- or off-ramp storage capacities, the project applicant shall be responsible for mitigating the project's direct significant and/or cumulatively considerable traffic impacts.

parking, terminal curbsides and on-airport roadways. Specific significance criteria for each analysis category are described in the following sections.

D.2.1 **Impact Analysis**

Traffic impacts associated with the Proposed Project/Preferred Alternative, the East Terminal Alternative, and the No Project Alternative are reported in this Appendix.

D.2.1.1 Airport Trip Generation and Background Traffic

The Proposed Project/Preferred Alternative and East Terminal Alternative are projected to accommodate the same level of air passenger activity in the future – approximately 19.5 million annual passengers (MAP) in 2010, and approximately 28.2 MAP in 2030 based upon the high growth passenger forecast approved by the FAA. The No Project Alternative would accommodate the same number of passengers through 2020 but only 26.9 MAP in 2030. Consequently, the total traffic generated by each alternative would be similar through 2020 with variations due to shuttles and other mode share changes in the No Project and Project without structure alternatives, as discussed under each alternative.

Airport trip generation rates were calculated based on existing mode shares and adjusted to account for a shift in terminal area parking demand to alternate modes and remote facilities as terminal area facilities become constrained. However, this diversion of passengers does not reduce total trip generation, as discussed in Section D.1.6, because while a diversion of passengers to modes with higher occupancies results in fewer airport trips, the diversion of passengers to modes such as private vehicle curbside dropof and taxis would result in increased airport trips. Trips from most airport modes were estimated to increase relative to origin and destination passenger growth. However, schedule driven modes such as public buses, and airport operated inter-terminal, employee and public parking shuttles were estimated to grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate decreases from 2010 to 2030. This trend has also been demonstrated historically at SDIA. In addition, the following assumptions were made to develop future traffic forecasts:

- SAN Park shuttles were assumed to continue operating at their current schedules in the future.
 Increase in passenger demand was assumed to be accommodated through increased passenger
 loadings. The same assumption was also made for the Airport Flyer, Blue Bus (employee), Red
 Bus (terminal-to-terminal).
- It was assumed that the existing employee parking lots cannot accommodate future growth. Trip
 generations from these lots were assumed to remain as existing. Future growth in employee
 parking demand was assumed to be accommodated in the TDY area. New employee shuttle
 service was assumed to be provided to serve the new employee lot.
- The taxi and shuttle staging area west of T2W terminal was assumed to remain at its current location.
- Parking demand at each terminal by type of parking (short-term, long-term and economy) were
 estimated based on methodologies described in the AMP. Under the No Project Alternative,
 existing terminal parking would not be able to accommodate future demand. Without any new
 terminal parking facilities, excess parking demand was assumed to use remote airport parking
 (e.g., SAN Park) or private off-airport lots, use the curbs, or shift to other modes. The reallocation
 of excess parking demand to other modes was based on existing mode share patterns. Excess
 parking demand allocated to private off-airport lots was assumed to generate new shuttle trips to
 the terminals.
- Trip generation associated with the existing rental car facilities on North Harbor Drive was assumed to grow proportionately to air passenger growth. This applies to both rental car vehicles and shuttles.

After 2020 the forecasts for the No Project Alternative deviate from the Proposed Project and East Terminal Alternative resulting in a decrease in total airport trips. See Section D.1.3 *Traffic Modeling Process* for further discussion.

While regional background traffic generally increases between 2010 and 2030, the SANDAG regional transportation forecasts showed that the background (non-airport) traffic on several street and freeway segments would decrease from 2010 to 2030. This is primarily due to planned HOV lanes (one in each direction) on I-5 in the vicinity of the airport which would relieve traffic along Kettner Boulevard and India Street, and widening of I-8 between I-5 and SR-163 from 8 to 10 lanes which would relieve traffic along Pacific Highway. These improvements are assumed in the 2020 RTP that was the basis for the SANDAG model used for this analysis. Airport traffic is assumed to grow in all years although certain projects may divert traffic from specific street segments (i.e. the reconfigured exit at Terminal 2 reduces traffic along sections of North Harbor Drive when compared to other alternatives).

D.3 Existing Conditions

This Section presents existing conditions observed in the study area and traffic analysis based upon data collections identified in Section D.1, *Traffic Counts and Other Data*, along with additional data/information obtained from SANDAG, Caltrans, City of San Diego, and SDCRAA.

D.3.1 Existing Airport Trip Generation

Table D-11 shows the existing airport trip generation based on counts conducted at airport access roadways. Airport trip generation includes traffic from terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area air cargo and general aviation facilities. It does not include private vehicle trips associated with privately-operated off-airport parking and rental car facilities that were not surveyed, but does include shuttle trips between these facilities and the terminals.

Scheduled shuttle and transit vehicle trips were identified separately from private vehicle and non-scheduled shuttle trips and the trip generation of these scheduled services was based on observed and published schedules. Trip rates were developed for airport activity centers (e.g., terminal curbside, terminal parking, SAN Park parking, employee parking, etc.) by relating the observed trip generations at each facility (after deducting scheduled shuttle / transit trips) to air passenger activity levels. These trip rates were assumed to remain constant in the future; however, as facilities become constrained, vehicles were reallocated to other facilities.

Table D-11

2005 Airport Trip Generation – Existing Conditions

| | Year |
|----------------------------------|--------|
| Activity | 2005 |
| | |
| Airport Passenger Activity Level | |
| Million Annual Passengers (MAP) | 17.4 |
| Million Annual O&D Passengers | 16.7 |
| Daily O&D Passengers | 45,830 |
| | |
| Airport Trip Generation (1) | |
| Daily | 85,100 |
| ln . | 42,600 |
| Out | 42,500 |
| AM Peak Hour | 3,180 |
| In | 1,760 |
| Out | 1,420 |
| PM Peak Hour | 3,245 |
| In | 1,500 |
| Out | 1,745 |
| Trip Rate | İ |
| Daily | 1.86 |
| | 1100 |

O&D = origin and destination

Numbers may not add due to rounding.

Note:

(1) Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Source: HNTB, 2007.

D.3.2 Existing Street Segments

Existing street segment volumes and operations are summarized on **Table D-12** and the ADT for street segments in the study area are depicted on **Figure D.3-1**. All street segments in the study are within jurisdiction of the City of San Diego and several are classified as San Diego region Congestion Management Program (CMP) Arterials. The purpose of the CMP is to monitor the performance of the transportation system, develop programs to address near-term and long-term congestion, and better integrate transportation and land use planning. SANDAG is the designated Congestion Management Agency for the San Diego region CMP. CMP Arterials are part of the overall CMP system, which includes those roadways that serve the highest level of regional traffic, serve major regional facilities, and provide significant inter-community traffic service and freeway congestion relief. The following street segments in the study area are designated as CMP Arterials:

- North Harbor Drive
- Grape Street
- Hawthorn Street
- Pacific Highway

As shown in Table D-12, the following streets segments currently operate at LOS E or F:

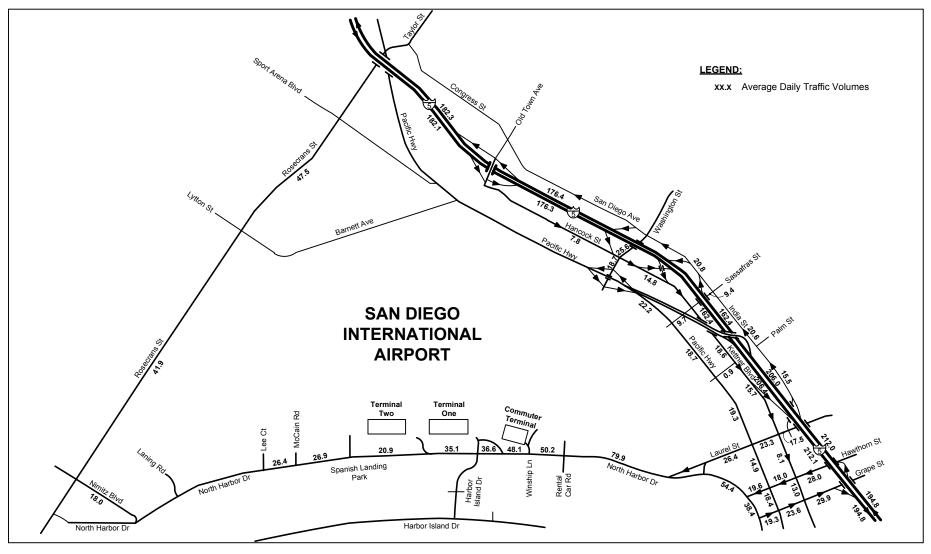
Existing Conditions - LOS E

- Grape Street between Pacific Highway and Kettner Boulevard
- Washington Street between Kettner Boulevard and San Diego Avenue
- Rosecrans Street between Barnett Avenue and Sports Arena Boulevard

Existing Conditions - LOS F

- North Harbor Drive between Rental Car Road and Laurel Street
- Grape Street between Kettner Boulevard and I-5
- Hawthorn Street between Kettner Boulevard and I-5
- Sassafras Street between Kettner Boulevard and India Street
- India Street between Laurel Street and Palm Street
- India Street between Palm Street and Sassafras Street
- India Street between Sassafras Street and Washington Street
- Rosecrans Street between Nimitz Boulevard and Barnett Avenue





Not to Scale

Appendix D.3-1

2005 Street Segment Average Daily Traffic Volumes Existing Conditions

Environmental Impact Report

Source: CalTrans, SANDAG and HNTB Corporation

Prepared by: HNTB Corporation, 2007

Table D-12

2005 Street Segment Operations – Existing Conditions

| | | | | | | | Year 2005 | | |
|--------------------|-----------------------------|---------------------------|--------------------------|--------------------------------|-------------------|-----------------------|--------------------|------------------|----------|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 10.7 | 15.7 | 26.4 | 0.44 | В |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 12.6 | 14.3 | 26.9 | 0.45 | В |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 6.6 | 14.3 | 20.9 | 0.35 | Α |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 20.6 | 14.5 | 35.1 | 0.54 | В |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 19.2 | 17.4 | 36.6 | 0.56 | В |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 30.8 | 17.3 | 48.1 | 0.69 | С |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 32.8 | 17.4 | 50.2 | 0.72 | С |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 60.1 | 19.8 | 79.9 | 1.33 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 39.9 | 14.5 | 54.4 | 0.91 | D |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.0 | 13.4 | 38.4 | 0.64 | С |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 12.9 | 6.4 | 19.3 | 0.77 | С |
| • | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.1 | 11.5 | 23.6 | 0.95 | Е |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.0 | 17.9 | 29.9 | 1.20 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.0 | 4.6 | 19.6 | 0.78 | С |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.2 | 5.8 | 18.0 | 0.72 | С |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.2 | 15.8 | 28.0 | 1.12 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.1 | 7.7 | 7.8 | 0.31 | Α |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 7.7 | 7.1 | 14.8 | 0.59 | С |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 7.8 | 10.9 | 18.6 | 0.74 | С |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 7.4 | 8.3 | 15.7 | 0.63 | С |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 8.1 | 8.1 | 0.32 | Α |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 13.0 | 13.0 | 0.52 | В |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 20.2 | 6.2 | 26.4 | 0.66 | С |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 16.3 | 7.0 | 23.3 | 0.78 | D |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 8.9 | 8.6 | 17.5 | 0.58 | С |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 3.7 | 18.5 | 22.2 | 0.44 | В |
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 4.7 | 14.0 | 18.7 | 0.37 | Α |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 4.7 | 14.6 | 19.3 | 0.39 | Α |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 0.6 | 14.3 | 14.9 | 0.30 | Α |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 3.3 | 15.1 | 18.4 | 0.37 | Α |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | Α |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 1.4 | 8.3 | 9.7 | 0.81 | D |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 0.7 | 8.7 | 9.4 | 1.17 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 3.5 | 15.2 | 18.7 | 0.62 | С |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.2 | 22.4 | 25.6 | 0.85 | E |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.3 | 8.2 | 15.5 | 1.93 | F |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 7.3 | 13.3 | 20.6 | 1.72 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 7.7 | 13.1 | 20.8 | 1.73 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 5.0 | 42.5 | 47.5 | 0.95 | Е |
| | Nimitz Quimby - Barnett | 4 lane Major 5-lane Major | 4 U <u>5U</u> | 40.0 45.0 | 5.0 | 36.8 | 41.9 | 1.05 <u>0.93</u> | <u> </u> |
| | Nimitz - Quimby | 4-lane Major | <u>4U</u> | 40.0 | <u>5.0</u> | <u>36.8</u> | <u>41.9</u> | <u>1.05</u> | <u>F</u> |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 9.2 | 8.8 | 18.0 | 0.45 | В |

Source: HNTB, 2007.

Note: Existing conditions analysis revised from 2006 DEIR using updated methodology/model. (1) Does not include traffic on flyover.

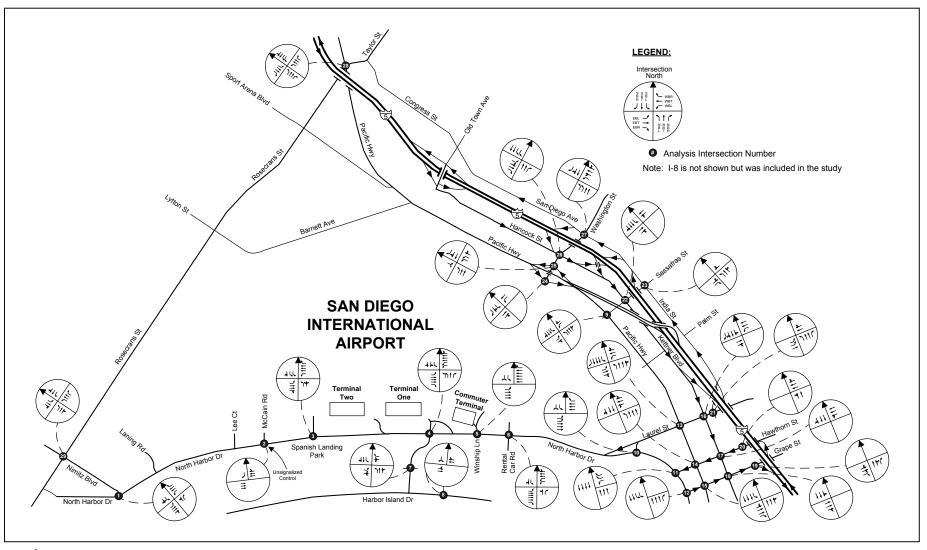
MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service

V/C = volume-to-capacity ratio

D.3.3 Existing Intersections

Figure D.3-2 depicts existing intersection geometry for the analysis intersections included in the study area. Existing intersection peak hour turning volumes used for the analysis are shown on **Tables D-13 and D-14**, and depict total traffic at each intersection. Background and airport traffic are also depicted in this Appendix. The existing intersection operations are summarized in **Table D-15**. All analysis intersections currently operate at LOS D or better.





Not to Scale

Figure D.3-2

NOTE: This figure has been updated to reflect response to agency comments following review of the Draft EIR. Each intersection is identified by number and corresponds to Tables D-13 through D-15. The revised graphic depicts the direction of turning movements at each intersection. This information does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

Environmental Impact Report

Source: SANDAG and HNTB Corporation Prepared by: HNTB Corporation, 2007

Existing 2005 Intersection Lane Configuration

Table D-13 Existing 2005 Intersection Turning Volumes – AM Peak Hour

| tersectio Number | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Tota |
|---------------------|--|-----------------------|-----------|------------|-----------|------------|------------|----------|----------|--------------|---------------|-----------|----------------|-------------|-------------|
| 1 | North Harbor Drive / Nimitz Blvd | Total | 0 | 0 | 0 | 390 | 0 | 23 | 9 | 368 | 0 | 6 | 522 | 245 | 1,56 |
| | | Airport | 0 | 0 | 0 | 176 214 | 0 | 0 23 | 0 9 | 30 338 | 0 | 0 6 | 23 499 | 139 106 | 368 1,19 |
| 2 | North Harbor Drive / McCain St | Background Total | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 867 | 0 | 0 | 923 | 219 | 2,01 |
| _ | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206 | 0 | 0 | 162 | 62 | 430 |
| 3 | North Harbor Drive / Spanish Landing | Background | 5 | 0 | 0 18 | 13 | 0 | 9 104 | 0 63 | 661 684 | <u>0</u> 4 | 0 14 | 761 873 | 157 0 | 1,58 |
| 3 | Note Harbor Drive / Spanish Landing | Total Airport | 0 | 0 | 0 | 13 | 0 | 104 | 63 | 143 | 0 | 0 | 120 | 0 | 443 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 541 | 4 | 14 | 753 | 0 | 1,33 |
| 4 | North Harbor Drive / Harbor Island Drive | Total | 39 | 5 | 141 | 19 | 7 | 84 | 80 | 443 | 79 | 230 | 1,354 | 0 | 2,48 |
| | | Airport Background | 9 30 | 5 0 | 38 103 | 19 0 | 7 0 | 84 0 | 80 0 | 54 389 | 22 57 | 65 165 | 383 971 | 0 | 76 1,71 |
| 5 | North Harbor Drive / Winship Lane | Total | 0 | 0 | 0 | 107 | 0 | 110 | 58 | 714 | 0 | 0 | 2,160 | 203 | 3,3 |
| | | Airport | 0 | 0 | 0 | 107 | 0 | 110 | 58 | 53 | 0 | 0 | 871 | 203 | 1,4 |
| 6 | North Harbor Drive / Rental Car Road | Background Total | 0 48 | 0 | 0 39 | 0 12 | 0 | 2 | 0 4 | 661 1,322 | 60 | 0 102 | 1,289 2,150 | 0 23 | 1,9 3,7 |
| O | North Harbor Drive / Rental Cal Road | Airport | 48 | 0 | 39 | 12 | 0 | 2 | 4 | 865 | 60 | 102 | 1,024 | 23 | 2,1 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 | 0 | 0 | 1,126 | 0 | 1,5 |
| 7 | Sheraton / Harbor Island Drive | Total | 13 | 239 | 0 | 0 | 325 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 79 |
| | | Airport Background | 0 13 | 52 187 | 0 | 0 | 93 232 | 0 99 | 0 85 | 0 6 | 0 27 | 0 | 0 | 0 | 14 64 |
| 8 | Employee Lot / Harbor Island Drive | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 81 | 0 | 0 | 58 | 1 | 26 |
| | • • | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 11 | 0 | 0 | 14 | 1 | 14 |
| ^ | Occasion Otract / Design Highway | Background | 0 46 | 0 | 0 | 0 | 0 | 0 | 0 | 70 34 | 0 | 0 | 44 | 0 | 11 |
| 9 | Sassafras Street / Pacific Highway | Total Airport | 46 46 | 405 56 | 58 0 | 38 0 | 451 73 | 6 6 | 2 2 | 34 | 26 26 | 202 0 | 85 85 | 53 0 | 1,4 32 |
| | | Background | 0 | 349 | 58 | 38 | 378 | Ö | 0 | 0 | 0 | 202 | 0 | 53 | 1,0 |
| 10 | Laurel Street / North Harbor Drive | Total | 0 | 0 | 0 | 24 | 0 | 4 | 331 | 1,033 | 0 | 0 | 1,766 | 38 | 3,1 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 312 | 604 | 0 | 0 | 761 | 0 | 1,6 |
| 11 | Hawthorn Street / North Harbor Drive | Background Total | 0 | 0 265 | 0 | 24 0 | 0 974 | 0 | 19 0 | 429 0 | 0 | 71 | 1,005 0 | 38 1,728 | 1,5 |
| | Transfer Culotty Hotel Halber Bille | Airport | 0 | 197 | Ö | 0 | 604 | 0 | ő | 0 | 0 | 4 | 0 | 564 | 1,3 |
| | | Background | 0 | 68 | 0 | 0 | 370 | 0 | 0 | 0 | 0 | 67 | 0 | 1,164 | 1,6 |
| 12 | Grape Street / North Harbor Drive | Total | 0 | 207 | 107 | 778 406 | 457 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,5 |
| | | Airport Background | 0 | 197 10 | 3 104 | 372 | 202 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 74 |
| 13 | Laurel Street / Pacific Highway | Total | 26 | 237 | 64 | 64 | 208 | 288 | 80 | 468 | 2 | 46 | 630 | 57 | 2,1 |
| | | Airport | 0 | 32 | 0 | 2 | 18 | 78 | 67 | 244 | 0 | 0 | 309 | 3 | 75 |
| 14 | Houthorn Street / Desifie Highway | Background | 26 104 | 205 | 64 | 62 | 190 114 | 210 | 13 | 224 | 2 | 46 | 321 | 54 | 1,4 |
| 14 | Hawthorn Street / Pacific Highway | Total Airport | 104 | 152 32 | 0 | 0 | 14 | 38 4 | 0 | 0 | 0 | 250 0 | 1,774 460 | 81 0 | 61 |
| | | Background | 0 | 120 | 0 | 0 | 100 | 34 | 0 | 0 | 0 | 250 | 1,314 | 81 | 1,8 |
| 15 | Grape Street / Pacific Highway | Total | 0 | 426 | 114 | 111 | 610 | 0 | 59 | 752 | 38 | 0 | 0 | 0 | 2,1 |
| | | Airport Background | 0 | 133 293 | 0 114 | 0 111 | 13 597 | 0 | 3 56 | 368 384 | 38 0 | 0 | 0 | 0 | 55 1,5 |
| 16 | Laurel Street / Kettner Boulevard | Total | 0 | 0 | 0 | 225 | 310 | 514 | 0 | 554 | 44 | 39 | 209 | 0 | 1,8 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 279 | 0 | 246 | 0 | 0 | 33 | 0 | 5 |
| 17 | Heathers Obsert / Ketters Davidsond | Background | 0 | 0 | 0 | 225 0 | 310 | 235 | 0 | 308 | 44 | 39 | 176 | 0 | 1,3 |
| 17 | Hawthorn Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 0 | 169 0 | 90 0 | 0 | 0 | 0 | 127 0 | 2,088 460 | 0 | 2,4 |
| | | Background | Ö | Ö | Ö | ő | 169 | 90 | Ö | Ö | Ö | 127 | 1,628 | Ö | 2,0 |
| 18 | Grape Street / Kettner Boulevard | Total | 0 | 0 | 0 | 80 | 406 | 0 | 0 | 1,024 | 64 | 0 | 0 | 0 | 1,5 |
| | | Airport Background | 0 | 0 | 0 | 0 80 | 0 406 | 0 | 0 | 364 660 | 4 60 | 0 | 0 | 0 | 1,2 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Total | 62 | 81 | 69 | 0 | 0 | 0 | 32 | 331 | 877 | 0 | 0 | 0 | 1,4 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 362 | 0 | ō | 0 | 36 |
| | | Background | 62 | 81 | 69 | 0 | 0 | 0 | 32 | 329 | 515 | 0 | 0 | 0 | 1,0 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total | 39 0 | 38 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,191 | 69 0 | 2,3 |
| | | Airport Background | 39 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 1,734 | 69 | 45 1,8 |
| 21 | Laurel Street / India Street | Total | 37 | 90 | 15 | 0 | 0 | 0 | 445 | 343 | 0 | 0 | 198 | 178 | 1,3 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 221 | 25 | 0 | 0 | 33 | 0 | 2 |
| 22 | Sassafras Street / Kettner Boulevard | Background Total | 37 0 | 90 | 15 0 | 0 113 | 0 1,225 | 339 | 224 0 | 318 50 | 0 42 | 0 124 | 165 93 | 178 0 | 1,0 |
| 22 | Oussairus Ottoet/ Nettrici Boulevard | Airport | 0 | 0 | 0 | 0 | 279 | 42 | Ö | 17 | 17 | 0 | 43 | Ö | 3 |
| | | Background | 0 | 0 | 0 | 113 | 946 | 297 | 0 | 33 | 25 | 124 | 50 | 0 | 1,5 |
| 23 | Sassafras Street / India Street | Total | 170 | 775 | 11 | 0 | 0 | 0 | 95 | 25 | 52 | 0 | 33 | 21 | 1,1 |
| | | Airport Background | 43 127 | 221 554 | 0 11 | 0 | 0 | 0 | 17 78 | 0 25 | 0 52 | 0 | 0 33 | 0 21 | 9 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total | 0 | 0 | 0 | 161 | 28 | 46 | 0 | 59 | 35 | 135 | 142 | 0 | 6 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 9 | 59 | 21 | 0 | 11 |
| 0.5 | W 1: 1 0: 1/B / / IF NB B / / | Background | 0 | 0 | 0 | 161 | 28 | 46 | 0 | 36 | 26 | 76 | 121 | 0 | 4 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total Airport | 60 6 | 10 0 | 108 45 | 32 0 | 0 | 18 0 | 36 0 | 191 23 | 0 | 0 | 210 74 | 249 0 | 9 |
| | | Background | 54 | 10 | 63 | 32 | 0 | 18 | 36 | 168 | 0 | ő | 136 | 249 | 7 |
| 26 | Washington Street / Hancock Street | Total | 0 | 234 | 94 | 309 | 354 | 0 | 382 | 178 | 138 | 0 | 0 | 0 | 1,6 |
| | | Airport | 0 | 57 | 11 | 0 | 67 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1. |
| 27 | Washington Street / San Diego Avenue | Background Total | 0 89 | 177 553 | 83 0 | 309 0 | 287 508 | 0 510 | 382 0 | 178 0 | 131 | 0 161 | 0 190 | 7 | 1, |
| | | Airport | 11 | 46 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 1: |
| | | Background | 78 | 507 | 0 | 0 | 448 | 510 | 0 | 0 | 0 | 154 | 190 | 7 | 1,8 |
| 28 | Rosecrans Street / Pacific Highway | Total | 137 | 103 | 153 | 83 | 122 | 51 | 58 | 170 | 140 | 254 | 123 | 72 | 1,4 |
| | | Airport Background | 0 137 | 2 101 | 7 146 | 0 83 | 2 120 | 0 51 | 0 58 | 1 169 | 0 140 | 9 245 | 1 122 | 0 72 | 1,4 |
| 29 | RosecransStreet / Nimitz Boulevard | Total | 48 | 190 | 91 | 229 | 311 | 238 | 178 | 769 | 34 | 103 | 871 | 55 | 3,1 |
| | | Airport | 0 | 64 | 76 | 0 | 80 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 31 |
| | | Background | 48 | 126 | 15 | 229 | 231 | 238 | 178 | 769 | 34 | 7 | 871 | 55 | 2, |

Table D-14 Existing 2005 Intersection Turning Volumes – PM Peak Hour

| itersection Number | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Tot |
|---|--|-----------------------|-----------|------------|------------|------------|--------------|------------|------------|--------------|--------------|-----------|--------------|------------|------------|
| 1 | North Harbor Drive / Nimitz Blvd | Total | 0 | 0 | 0 | 424 | 0 | 57 | 31 | 478 | 0 | 13 | 516 | 559 | 2,07 |
| | | Airport Background | 0 | 0 | 0 | 147 277 | 0 | 0 57 | 0 31 | 24 454 | 0 | 0 13 | 29 487 | 163 396 | 36: 1,7 |
| 2 | North Harbor Drive / McCain St | Total | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 1,118 | 0 | 0 | 844 | 201 | 2,24 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 171 | 0 | 0 | 191 | 50 | 41 |
| 3 | North Harbor Drive / Spanish Landing | Background Total | 7 | 0 | 0 25 | 0 12 | 0 | 79 74 | 0 42 | 947 999 | 0 17 | <u>0</u> | 653 607 | 151 0 | 1,8 |
| 3 | Notification brive / Spanish Earling | Airport | ó | 0 | 0 | 12 | 0 | 74 | 42 | 129 | 0 | 0 | 167 | 0 | 42 |
| | | Background | 7 | 0 | 25 | 0 | Ō | 0 | 0 | 870 | 17 | 5 | 440 | 0 | 1,3 |
| 4 | North Harbor Drive / Harbor Island Drive | Total | 131 | 6 | 215 | 21 | 8 | 101 | 83 | 815 | 101 | 298 | 577 | 0 | 2,3 |
| | | Airport Background | 10 121 | 6 | 51 164 | 21 0 | 8 | 101 0 | 83 0 | 39 776 | 19 82 | 56 242 | 293 284 | 0 | 68 1.6 |
| 5 | North Harbor Drive / Winship Lane | Total | 0 | 0 | 0 | 157 | 0 | 131 | 50 | 1,160 | 0 | 0 | 1,149 | 161 | 2,8 |
| | | Airport | 0 | 0 | 0 | 157 | 0 | 131 | 50 | 61 | 0 | 0 | 778 | 161 | 1,3 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,099 | 0 | 0 | 371 | 0 | 1,4 |
| 6 | North Harbor Drive / Rental Car Road | Total Airport | 66 66 | 0 | 75 75 | 70 70 | 0 | 13 13 | 6 6 | 1,462 917 | 67 67 | 76 76 | 1,351 860 | 32 32 | 3,2 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 545 | 0 | 0 | 491 | 0 | 1,0 |
| 7 | Sheraton / Harbor Island Drive | Total | 23 | 382 | 0 | 0 | 386 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 9 |
| | | Airport | 0 | 66 | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 8 | Employee Lot / Harbor Island Drive | Background Total | 23 0 | 316 0 | 0 | 0 | 304 0 | 70 55 | 77 68 | 103 | 25 0 | 0 | 0 129 | 0 1 | 8 |
| Ü | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | ő | 0 | 55 | 68 | 14 | 0 | ő | 11 | 1 | 14 |
| | | Background | 0 | 0 | 0 | 0 | Ó | 0 | 0 | 89 | 0 | 0 | 118 | 0 | 20 |
| 9 | Sassafras Street / Pacific Highway | Total | 18 | 662 | 91 | 96 | 713 | 1 | 8 | 108 | 55 | 165 | 15 | 39 | 1,9 |
| | | Airport Background | 18 0 | 69 593 | 0 91 | 0 96 | 62 651 | 1 0 | 8 | 108 0 | 55 0 | 0 165 | 15 0 | 0 39 | 3: 1,6 |
| 10 | Laurel Street / North Harbor Drive | Total | 0 | 0 | 0 | 70 | 0 | 10 | 626 | 1,595 | 0 | 0 | 1,122 | 100 | 3,5 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 358 | 704 | 0 | 0 | 638 | 0 | 1,7 |
| | | Background | 0 | 0 | 0 | 70 | 0 | 10 | 268 | 891 | 0 | 0 | 484 | 100 | 1,8 |
| 11 | Hawthorn Street / North Harbor Drive | Total Airport | 0 | 364 166 | 0 | 0 | 1,747 704 | 0 | 0 | 0 | 0 | 124 4 | 0 | 758 472 | 2,9 |
| | | Background | 0 | 198 | 0 | o o | 1,043 | 0 | ő | 0 | 0 | 120 | 0 | 286 | 1,6 |
| 12 | Grape Street / North Harbor Drive | Total | 0 | 429 | 264 | 1,018 | 899 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,6 |
| | | Airport | 0 | 166 | 5 | 472 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 13 | Laurel Street / Pacific Highway | Background Total | 0 28 | 263 430 | 259 108 | 546 110 | 664 387 | 232 | 0 89 | 0 664 | 2 | 0 50 | 0 567 | 71 | 1, |
| 10 | Educi Offect / Facility Fightway | Airport | 0 | 13 | 0 | 4 | 42 | 71 | 73 | 285 | 0 | 0 | 259 | 1 | 7 |
| | | Background | 28 | 417 | 108 | 106 | 345 | 161 | 16 | 379 | 2 | 50 | 308 | 70 | 1,9 |
| 14 | Hawthorn Street / Pacific Highway | Total | 182 | 377 | 0 | 0 | 355 | 40 | 0 | 0 | 0 | 142 | 699 | 79 | 1,8 |
| | | Airport Background | 87 95 | 13 364 | 0 | 0 | 38 317 | 4 36 | 0 | 0 | 0 | 0 142 | 385 314 | 0 79 | 5; 1,3 |
| 15 | Grape Street / Pacific Highway | Total | 0 | 483 | 318 | 182 | 358 | 0 | 52 | 1,411 | 41 | 0 | 0 | 0 | 2,8 |
| | | Airport | 0 | 95 | 0 | 0 | 37 | 0 | 5 | 431 | 41 | 0 | 0 | 0 | 6 |
| 40 | Level Obert (Kelter Berland | Background | 0 | 388 | 318 | 182 | 321 | 0 | 47 | 980 | 0 | 0 | 0 | 0 | 2,2 |
| 16 | Laurel Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 272 0 | 541 0 | 416 234 | 0 | 835 289 | 77 0 | 54 0 | 224 26 | 0 | 2,4 |
| | | Background | 0 | 0 | 0 | 272 | 541 | 182 | o o | 546 | 77 | 54 | 198 | 0 | 1,8 |
| 17 | Hawthorn Street / Kettner Boulevard | Total | 0 | 0 | 0 | 0 | 402 | 79 | 0 | 0 | 0 | 156 | 887 | 0 | 1,5 |
| | | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 156 | 386 | 0 | 3 |
| 18 | Grape Street / Kettner Boulevard | Background Total | 0 | 0 | 0 | 0 155 | 402 428 | 79 0 | 0 | 2,151 | 0 67 | 156 | 501 | 0 | 1, |
| 10 | Grape Greet/ Netrici Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | ő | 425 | 6 | o o | 0 | 0 | 4 |
| | | Background | 0 | 0 | 0 | 155 | 428 | 0 | 0 | 1,726 | 61 | 0 | 0 | 0 | 2,3 |
| 6 North Harbo 7 Sheraton / I 8 Employee L 9 Sassafras \$ 10 Laurel Street 11 Hawthorn S 12 Grape Street 13 Laurel Street 14 Hawthorn S 15 Grape Street 16 Laurel Street 17 Hawthorn S 18 Grape Street 20 Hawthorn S 21 Laurel Street 22 Sassafras \$ 23 Sassafras \$ 24 Washingtor 25 Washingtor 26 Washingtor | Grape Street / I-5 Southbound On-Ramp (1) | Total | 93 | 177 | 173 | 0 | 0 | 0 | 20 | 410 | 1,686 | 0 | 0 | 0 | 2, |
| 3 North Harbo 4 North Harbo 5 North Harbo 6 North Harbo 7 Sheraton / H 8 Employee L 9 Sassafras S 10 Laurel Stree 11 Hawthorn S 12 Grape Stree 13 Laurel Stree 14 Hawthorn S 15 Grape Stree 16 Laurel Stree 17 Hawthorn S 18 Grape Stree 20 Hawthorn S 21 Laurel Stree 22 Sassafras S 23 Sassafras S 24 Washington 25 Washington 26 Washington 27 Washington 28 Rosecrans S | | Airport Background | 0 93 | 0 177 | 0 173 | 0 | 0 | 0 | 0 20 | 3 407 | 423 1,263 | 0 | 0 | 0 | 2, |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total | 32 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,346 | 53 | 1,4 |
| | · | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 383 | 0 | 3 |
| | | Background | 32 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 963 | 53 | 1,0 |
| 21 | Laurel Street / India Street | Total Airport | 37 0 | 241 0 | 71 0 | 0 | 0 | 0 | 639 258 | 499 31 | 0 | 0 | 247 26 | 244 0 | 1,9 |
| | | Background | 37 | 241 | 71 | 0 | ō | 0 | 381 | 468 | 0 | 0 | 221 | 244 | 1,6 |
| 22 | Sassafras Street / Kettner Boulevard | Total | 0 | 0 | 0 | 186 | 1,722 | 232 | 0 | 211 | 97 | 87 | 62 | 0 | 2,5 |
| | | Airport | 0 | 0 | 0 | 0 186 | 234 | 7 225 | 0 | 54 157 | 54 | 0 | 7 | 0 | 3 |
| 23 | Sassafras Street / India Street | Background Total | 132 | 1,313 | 31 | 186 | 1,488 0 | 0 | 271 | 157 62 | 43 112 | 87 0 | 55 14 | 0 17 | 2,3 |
| | Cabbanab Street / mala Street | Airport | 7 | 258 | 0 | Ö | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | Background | 125 | 1,055 | 31 | 0 | 0 | 0 | 217 | 62 | 112 | 0 | 14 | 17 | 1,6 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total | 0 | 0 | 0 | 426 | 42 | 8 | 0 | 221 | 49 | 183 | 70 | 0 | 9 |
| | | Airport Background | 0 | 0 | 0 | 0 426 | 0 42 | 0 8 | 0 | 21 200 | 8 41 | 46 137 | 37 33 | 0 | 1 8 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total | 32 | 23 | 185 | 111 | 0 | 7 | 86 | 535 | 0 | 0 | 221 | 316 | 1, |
| | 2 , 1 , 1 , 1 , 1 | Airport | 10 | 0 | 56 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 72 | 0 | 1 |
| 26 | Weshington Street / Honor - 1: Street | Background | 22 | 23 | 129 142 | 111 | 0 | 7 | 86 599 | 514 | 0 | 0 | 149 | 316 | 1,: |
| 26 | Washington Street / Hancock Street | Total Airport | 0 | 595 67 | 142 10 | 330 0 | 355 60 | 0 | 599 0 | 358 0 | 162 12 | 0 | 0 | 0 | 2, |
| | | Background | 0 | 528 | 132 | 330 | 295 | 0 | 599 | 358 | 150 | 0 | 0 | 0 | 2, |
| 27 | Washington Street / San Diego Avenue | Total | 178 | 1,102 | 0 | 0 | 537 | 465 | 0 | 0 | 0 | 170 | 257 | 16 | 2, |
| | - | Airport | 10 | 57 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 1 |
| 20 | Pagagrana Stroot / Pagifia Highway | Background Total | 168 | 1,045 | 0 | 0 | 490 | 465 | 100 | 0 | 167 | 157 | 257 | 16 | 2, |
| 28 | Rosecrans Street / Pacific Highway | Total Airport | 242 0 | 197 2 | 439 9 | 101 0 | 117 2 | 56 0 | 109 0 | 449 1 | 167 0 | 207 7 | 255 1 | 108 0 | 2, |
| | | Background | 242 | 195 | 430 | 101 | 115 | 56 | 109 | 448 | 167 | 200 | 254 | 108 | 2,4 |
| 29 | RosecransStreet / Nimitz Boulevard | Total | 55 | 421 | 142 | 180 | 266 | 180 | 399 | 977 | 39 | 200 | 894 | 73 | 3,8 |
| | | Airport | 0 | 74 | 88 | 0 | 67 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 3,5 |
| | | Background | 55 | 347 | 54 | 180 | 199 | 180 | 399 | 977 | 39 | 120 | 894 | 73 | 1 |

Table D-15

Existing 2005 Intersection Operations

| Intersection | | | Year 2005 | | | | | |
|--------------|---|-----------|-----------------|--------|--|--|--|--|
| Number | Intersection | Peak Hour | Delay (Sec.) | LOS | | | | |
| 1 | North Harbor Drive/ | AM | 19.3 | В | | | | |
| | Nimitz Boulevard | PM | 20.8 | С | | | | |
| 2 | North Harbor Drive/ | AM | 11.6 | В | | | | |
| | McCain Road North Harbor Drive/ | PM AM | 12.2 17.3 | В | | | | |
| 3 | Spanish Landing | PM | 17.3 12.0 | B B | | | | |
| | North Harbor Drive/ | AM | 19.9 | В | | | | |
| 4 | Harbor Island Drive | PM | 26.4 | C | | | | |
| - | North Harbor Drive/ | AM | 10.4 | В | | | | |
| 5 | Winship Lane | PM | 14.9 | В | | | | |
| | North Harbor Drive/ | AM | 5.6 | A | | | | |
| 6 | Rental Car Road | PM | 9.3 | Α | | | | |
| | Sheraton | AM | 10.1 | В | | | | |
| 7 | Harbor Island Drive | PM | 8.8 | Α | | | | |
| 0 | Employee Lot | AM | 9.8 | Α | | | | |
| 8 | Harbor Island Drive | PM | 10.1 | В | | | | |
| 9 | Sassafras Street/ | AM | 27.1 | С | | | | |
| 9 | Pacific Highway | PM | 26.4 | С | | | | |
| 10 | Laurel Street/ | AM | 10.6 | В | | | | |
| 10 | North Harbor Drive | PM | 14.8 | В | | | | |
| 11 | Hawthorn Street/ | AM | 24.5 | С | | | | |
| | North Harbor Drive | PM | 19.0 | В | | | | |
| 12 | Grape Street/ | AM | 8.1 | Α | | | | |
| | North Harbor Drive | PM | 10.1 | В | | | | |
| 13 | Laurel Street/ | AM | 33.0 | С | | | | |
| | Pacific Highway | PM | 34.0 | С | | | | |
| 14 | Hawthorn Street/ | AM | 9.7 | A | | | | |
| | Pacific Highway | PM AM | 19.5 20.0 | В | | | | |
| 15 | Grape Street/ Pacific Highway | PM | 23.9 | B C | | | | |
| | Laurel Street/ | AM | 20.3 | С | | | | |
| 16 | Kettner Boulevard | PM | 22.6 | C | | | | |
| | Hawthorn Street/ | AM | 7.1 | A | | | | |
| 17 | Kettner Boulevard | PM | 15.1 | В | | | | |
| - 10 | Grape Street/ | AM | 18.8 | В | | | | |
| 18 | Kettner Boulevard | PM | 16.9 | В | | | | |
| 40 | Grape Street/ | AM | 13.7 | В | | | | |
| 19 | I-5 Southbound On-Ramp | PM | 31.3 | С | | | | |
| 20 | Hawthorn Street/ | AM | 52.3 | D | | | | |
| 20 | I-5 Northbound Off-Ramp | PM | 20.9 | С | | | | |
| 21 | Laurel Street/ | AM | 17.2 | В | | | | |
| | India Street | PM | 20.5 | С | | | | |
| 22 | Sassafras Street/ | AM | 10.8 | В | | | | |
| | Kettner Boulevard | PM | 14.4 | В | | | | |
| 23 | Sassafras Street/ | AM | 14.2 | В | | | | |
| | India Street | PM | 21.9 | С | | | | |
| 24 | Washington Street/ | AM | 20.1 | С | | | | |
| | Pacific Highway SB-Ramps | PM | 24.1 | C | | | | |
| 25 | Washington Street/ | AM DM | 34.7 37.0 | _ | | | | |
| | Pacific Highway NB-Ramps Washington Street/ | PM AM | 37.0 22.9 | D C | | | | |
| 26 | Hancock Street | PM | 26.0 | C | | | | |
| - | Washington Street/ | AM | 12.3 | В | | | | |
| 27 | San Diego Avenue | PM | 13.3 | В | | | | |
| | Rosecrans Street/ | AM | 30.3 | С | | | | |
| 28 | Pacific Highway | PM | 30.4 | C | | | | |
| | RosecransStreet/ | AM | 28.2 | C | | | | |
| 29 | Nimitz Boulevard | PM | 35.6 | D | | | | |

Source: HNTB, 2007

Note: Existing conditions analysis revised from 2006 DEIR using updated methodology/model.

LOS = level of service

D.3.4 Existing Freeway Operations

Table D-16 summarizes the existing freeway mainline operations. All freeway segments in the study area are designated CMP Freeways. As shown, all I-5 freeway segments analyzed currently exceed Caltrans target of LOS C during one or both peak hours, except for the southbound I-5 segment between SR-163 and SR-94.

Table D-16
Existing 2005 Freeway Operations

| SB I-5 I | reeway | | AM | | | PM | | | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|--|--|--|
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | | | |
| North of I-8 | I-8 | 6,800 | 34.0 | D | 8,300 | 41.3 | Е | | | |
| I-8 | Old Town Avenue | 6,600 | 32.9 | D | 6,500 | 32.6 | D | | | |
| Old Town Avenue | Washington Street | 5,800 | 29.0 | D | 5,900 | 29.2 | D | | | |
| Washington Street | Pacific Highway Viaducts | 6,200 | 30.8 | D | 6,200 | 30.9 | D | | | |
| Pacific Highway Viaducts | India Street | 7,100 | 35.5 | Е | 7,800 | 38.9 | Е | | | |
| India Street | Hawthorn Street | 7,200 | 35.8 | E | 7,800 | 38.7 | Е | | | |
| Hawthorn Street | First Avenue | 6,100 | 30.4 | D | 7,400 | 37.1 | Е | | | |
| First Avenue | SR 163 | 6,600 | 32.8 | D | 9,000 | 44.7 | E | | | |
| SR 163 | SR 94 | 3,600 | 17.8 | В | 5,100 | 25.5 | С | | | |

| NB I-5 F | reeway | | AM | | | PM | | | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|--|--|--|
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | | | |
| SR 94 | SR 163 | 10,900 | 54.3 | F | 7,500 | 37.4 | Е | | | |
| SR 163 | First Avenue | 8,300 | 41.4 | E | 7,900 | 39.2 | E | | | |
| First Avenue | Hawthorn Street | 7,000 | 34.9 | D | 6,400 | 31.9 | D | | | |
| Hawthorn Street | India Street | 7,100 | 35.4 | Е | 7,600 | 37.9 | Е | | | |
| India Street | Pacific Highway Viaducts | 7,100 | 35.3 | E | 7,500 | 37.4 | E | | | |
| Pacific Highway Viaducts | Washington Street | 5,000 | 25.1 | С | 6,000 | 29.8 | D | | | |
| Washington Street | Old Town Avenue | 5,300 | 26.5 | D | 6,500 | 32.3 | D | | | |
| Old Town Avenue | I-8 | 5,600 | 27.9 | D | 6,700 | 33.6 | D | | | |
| I-8 | North of I-8 | 7,600 | 38.1 | Е | 7,200 | 36.0 | E | | | |

| I-8 Fr | | AM | | PM | | | | |
|--------|---------|-------|-----------------------|-----|-----------------|-----------------------|-----|--|
| From | From To | | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | |
| I-5 | East | 5,900 | 29.4 | D | 8,100 | 40.7 | Е | |
| East | I-5 | 7,300 | 36.4 | E | 7,100 | 35.2 | E | |

Source: HNTB, 2007

Numbers may not add due to rounding.

Note: Existing conditions analysis revised from 2006 DEIR using updated methodology/model.

vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

D.3.5 Existing Freeway Ramp Operations

Table D-17 shows the existing freeway ramp operations. Ramp meter rates are set to process vehicles at a rate that allows controlled vehicle entry onto the freeway without slowing mainline freeway traffic by large platoons of vehicles entering at the same time. As shown, all freeway on-ramps located within the study area currently accommodate a lower traffic volume than their set meter rates.

Table D-17
Existing 2005 Freeway Ramp Operations

| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
|------------------------|--------------|--------------------|--------------------------------|---------------------------|--------------------|-----------------|
| LE ND from Can Diago | AM | 691 | 1,992 | 0 | 0 | 0 |
| I-5 NB from San Diego | PM | 599 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 642 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIUIA | PM | 957 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 55 | 996 | 0 | 0 | 0 |
| 1-5 SB ITOTTI Rettrief | PM | 74 | 996 | 0 | 0 | 0 |
| I-5 SB from | AM | 456 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 301 | 1,140 | 0 | 0 | 0 |

Source: HNTB, 2007 veh/hr = vehicles per hour

D.3.6 Existing Railroad Crossings

Six at grade railroad crossings are located within the study area. Both trolley and heavy rail train tracks (used by Coaster, Amtrak, and freight trains) cross Washington, Sassafras, and Palm Streets at grade between Pacific Highway and Kettner Boulevard. The Trolley tracks are grade separated at Laurel, Hawthorn and Grape Streets; however, the heavy rail tracks used by Coaster, Amtrak, and freight trains are at grade.

Currently the Coaster operates 11 trains daily in each direction and Amtrak operates 10 trains daily in each direction for a total of 22 and 20 daily trips, respectively. Trolley also operates 160 trips per day along this route and two freight train operations per day were assumed during off-peak, evening hours.

Table D-18 summarizes the railroad crossing delay analysis under existing conditions. As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in all analysis years.

Table D-18

Existing 2005 Railroad Crossing Operations – Existing Conditions

| | | | Year 2005 |) | |
|-------------------|------------------|---------------|---|-----|-----------------------------|
| Crossing | VHD Threshold | ADT Volume | Total gate down time per day (hours) | VHD | Exceeds VHD Threshold |
| Washington Street | 150 | 18,700 | 4.28 | 52 | No |
| Sassafras Street | 75 | 9,700 | 3.09 | 13 | No |
| Palm Street | 75 | 900 | 3.09 | 0 | No |
| Laurel Street | 150 | 23,300 | 0.74 | 1 | No |
| Hawthorn Street | 150 | 18,000 | 0.74 | 9 | No |
| Grape Street | 150 | 23,600 | 0.74 | 13 | No |

Source: HNTB, 2007

Numbers may not add due to rounding.

Note: Existing conditions analysis revised from 2006 DEIR using updated methodology/model.

VHD = vehicle-hours of delay

ADT = average daily traffic

D.3.7 Existing Transit

Public transit bus service at SDIA is provided by the Airport Flyer Route No. 992, connecting the airport terminals to Downtown San Diego. There are five transit bus stops on terminal roadways and buses operate on 10 minute headways connecting to other MTS bus stops, Trolley, Coaster, and Amtrak Stations. This service is operated by the Metropolitan Transit System (MTS), which is the regional transit provider for San Diego County. In addition, MTS bus Route 923 runs along North Harbor Drive south of the Airport.

D.3.8 Existing Terminal Curbside

SDIA provides approximately 6,630 feet of total curb frontage at the three terminals.

D.3.9 Existing Parking

The Airport currently operates 4,085 on-airport, terminal area public parking spaces including 1,225 spaces at Terminal 1, 1,355 spaces at Terminal 2,225 spaces at the Commuter Terminal and 1,300 spaces west of Terminal 2 known as SAN Park NTC. Of these 4,085 parking spaces 2,755 are located immediately in front of the terminal. As documented in the AMP facility requirements the current demand for 6,000 terminal area spaces exceeds this supply.

SDCRAA also operates several remote parking lots served by shuttles: SAN Park Harbor Drive located east of the commuter terminal along Harbor Drive, and SAN Park Pacific Highway located in the North Area along Pacific Highway. In addition, SAN Park NTC described above provides a shuttle to the terminals. Private operators also operate a number of remote off-airport facilities. The total remote parking including both airport-operated and privately-operated facilities was estimated at 8,630 spaces in November 2004.

D.3.10 Existing On-Airport Traffic Circulation

Access points to the terminal roadways are all located along North Harbor Drive. An access ramp east of Harbor Island Drive provides primary access to Terminal 1 and adjacent public parking Lot 1. An access ramp, west of Harbor Island Drive provides primary access to Terminal 2 and the adjacent public parking Lot 2. Both access ramps are uncontrolled. Access to the Commuter Terminal and adjacent public parking Lot 7 and employee parking Lot 8 is provided via Winship Lane with traffic signals located at North Harbor Drive. The loop road systems for Terminals 1 and 2 are interconnected to form a major loop, allowing recirculation between the two terminals.

Table D-19 depicts the existing peak hour traffic volumes and LOS on terminal area roadways. As shown, all terminal roadways currently operate at LOS B or better during peak hours. Volumes and LOS shown represent throughput capacity of the on-Airport roadways but do not represent specific curbside operations. Please refer to Figure D.3-3 for Link ID Key Map.

Table D-19 2005 On-Airport Roadway Operations – Existing Conditions

| | AM PM | | | | | | | | | |
|---------|----------|--------|-------------|--------|----------|--|--|--|--|--|
| | | Volume | | Volume | | | | | | |
| Link ID | Lanes | (vph) | LOS | (vph) | LOS | | | | | |
| 1 | 2 | 355 | Α | 236 | Α | | | | | |
| 2 | 2 | 250 | Α | 145 | Α | | | | | |
| 3 | - | | ink Not Use | | | | | | | |
| 4 | | L | ink Not Use | ed | | | | | | |
| 5 | 2 | 105 | Α | 91 | Α | | | | | |
| 6 | | L | ink Not Use | ed | | | | | | |
| 7 | | L | ink Not Use | ed | | | | | | |
| 8 | 3 | 322 | Α | 196 | Α | | | | | |
| 9 | | L | ink Not Use | ed | | | | | | |
| 10 | | L | ink Not Use | ed | | | | | | |
| 11 | 1 | 119 | Α | 125 | Α | | | | | |
| 12 | | L | ink Not Use | ed | | | | | | |
| 13 | | L | ink Not Use | ed | | | | | | |
| 14 | 1 | 63 | Α | 56 | Α | | | | | |
| 15 | 4 | 441 | Α | 321 | Α | | | | | |
| 16 | 1 | 0 | Α | 0 | Α | | | | | |
| 17 | 4 | 503 | Α | 374 | Α | | | | | |
| 18 | 2 | 386 | Α | 288 | Α | | | | | |
| 19 | | | ink Not Use | | | | | | | |
| 20 | | | ink Not Use | | | | | | | |
| 21 | | | ink Not Use | | | | | | | |
| 22 | | | ink Not Use | | | | | | | |
| 23 | | | ink Not Use | | | | | | | |
| 24 | | | ink Not Use | | | | | | | |
| 25 | | | ink Not Use | | | | | | | |
| 26 | 1 | 70 | A | 112 | Α | | | | | |
| 27 | 2 | 63 | A | 42 | A | | | | | |
| 28 | 3 | 117 | A | 86 | A | | | | | |
| 29 | | | ink Not Use | | | | | | | |
| 30 | 2 | 449 | A A | 330 | Α | | | | | |
| 31 | 3 | 519 | A | 442 | A | | | | | |
| 32 | 1 | 19 | A | 16 | A | | | | | |
| 33 | 3 | 500 | A | 426 | A | | | | | |
| 34 | 4 | 124 | A | 107 | A | | | | | |
| 35 | 2 | 427 | A | 375 | A | | | | | |
| 36 | 1 | | A | 51 | A | | | | | |
| | | 73 | | | | | | | | |
| 37 | 1 | 363 | В | 306 | <u>B</u> | | | | | |
| 38 | 1 | 64 | Α | 68 | Α | | | | | |
| 39 | | | ink Not Use | | | | | | | |
| 40 | 2 | 533 | В | 561 | <u>B</u> | | | | | |
| 41 | 1 | 92 | A | 96 | A | | | | | |
| 42 | 2 | 441 | A | 465 | A | | | | | |
| 43 | 1 | 86 | A | 88 | A | | | | | |
| 44 | 3 | 527 | Α | 553 | A | | | | | |
| 45 | 1 | 32 | Α | 29 | Α | | | | | |
| 46 | | | ink Not Use | | | | | | | |
| 47 | | | ink Not Use | | | | | | | |
| 48 | 4 | 559 | Α | 579 | Α | | | | | |
| 49 | 2 | 440 | Α | 454 | Α | | | | | |
| 50 | 1 | 62 | Α | 119 | Α | | | | | |
| 51 | 3 | 502 | Α | 573 | Α | | | | | |
| 52 | 2 | 406 | Α | 466 | Α | | | | | |
| 53 | 1 | 96 | Α | 108 | Α | | | | | |
| 54 | 1 | 50 | Α | 47 | Α | | | | | |
| 55 | 1 | 18 | Α | 18 | Α | | | | | |
| 56 | 4 | 110 | Α | 114 | Α | | | | | |
| | 57 2 770 | | | 772 | В | | | | | |
| 5/ | | | В | | | | | | | |

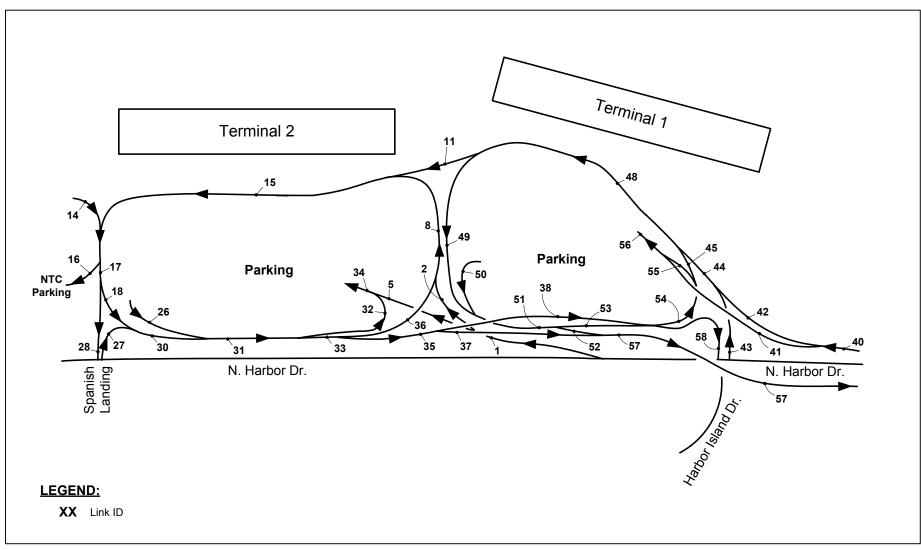
Source: HNTB Corporation, 2007 vph = vehicles per hour

LOS = level of service

NOTE: Please refer to Figure D.3-3 for link ID key map.

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT







Appendix D.3.3

2005 On-Airport Roadway Link ID Key Map Existing Conditions

Environmental Impact Report

D.4 No Project Alternative

The No Project Alternative is discussed first among the Alternatives because it forms the analytical base against which other Alternatives are compared to when determining project impacts.

D.4.1 Assumptions

- The No Project Alternative assumes that no Airport Land Use Plan would be developed and no projects beyond those currently included in the Airport's Capital Improvement Program (CIP) Project list would be constructed. Forecast passenger activity would be accommodated in the existing terminal and landside facilities.
- Transportation projects included in the CIP include intersection improvements at North Harbor Drive and Winship Lane. This project will improve access in and out of the Commuter Terminal at the intersection of Winship Lane and North Harbor Drive by creating an additional right hand lane to turn onto North Harbor Drive.
- An additional project under the Liberty Station Development is assumed by 2010. This project
 consists of signalizing the North Harbor Drive and McCain Road intersection, allowing inbound and
 outbound left turn movements. Currently, the intersection is unsignalized with right-in / right-out
 movements only.
- No additional parking would be constructed in the terminal area. As a result parking demand would continue to exceed supply within the terminal area maintaining existing constrained parking conditions. It is assumed that a portion of passengers wishing to park in the terminal area would still enter off of North Harbor Drive searching for a parking space before utilizing other remote parking facilities. Other passengers would change travel modes, and convert to curbside trips either by taxi, private vehicle or in parking shuttles from remote parking facilities.

D.4.2 Trip Generation and Terminal Distribution

Table D-20 summarizes the daily and peak hour trip generation associated with future airport passenger activity under the No Project Alternative. As shown, total airport trip generation would increase from approximately 94,450 94,500 ADT in 2010 to 128,740 128,750 ADT in 2030. This represents a reduction in trip generation of approximately 6,300 ADT or 4.7% from the Airport Implementation Plan in 2030. Trips from most airport modes were estimated to increase relative to origin and destination passenger growth. However, schedule driven modes such as public buses, and airport operated inter-terminal, employee and public parking shuttles were estimated to grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate from 1.86 1.85 to 1.82 in 2010 and 2030, respectively. This has also been demonstrated by a historical downward trend witnessed at SDIA.

The distribution of passengers (and traffic) among terminals would differ among the alternatives, as shown in **Table D-21**. Under existing conditions, the distribution of SDIA passengers among the terminals is approximately 55% at Terminal 1, 40% at Terminal 2 (East and West), and 5% at the Commuter Terminal. Under the No Project Alternative, the passenger split would be approximately 50%, 45%, and 5% at Terminal 1, Terminal 2 (East and West), and the Commuter Terminal, respectively, in 2015.

The change in passenger distribution between terminals would result in redistribution of traffic at the terminal access driveways along North Harbor Drive. However, as shown in Table D-21 the change in passenger distribution would not affect the traffic pattern outside of the airport which is assumed to be the same for all alternatives.

Table D-20
2010-2030 Airport Trip Generation – No Project Alternative

| | | | Yea | ar | | |
|----------------------------------|--------|--------|---------|---------|---------|---------|
| Activity | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
| | | | | | | |
| Airport Passenger Activity Level | | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 19.5 | 22.8 | 25.1 | 26.2 | 26.9 |
| Million Annual O&D Passengers | 16.7 | 18.6 | 21.8 | 24.0 | 25.0 | 25.7 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,768 | 66,220 | 69,373 | 70,793 |
| | | | | | | |
| Airport Trip Generation (1) | | | | | | |
| Daily | 85,100 | 94,500 | 109,350 | 120,400 | 126,000 | 128,750 |
| In | 42,600 | 47,300 | 54,750 | 60,250 | 63,050 | 64,400 |
| Out | 42,500 | 47,200 | 54,600 | 60,150 | 62,950 | 64,350 |
| AM Peak Hour | 3,180 | 3,530 | 4,090 | 4,500 | 4,750 | 4,850 |
| In | 1,760 | 1,955 | 2,260 | 2,500 | 2,600 | 2,665 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,185 |
| PM Peak Hour | 3,245 | 3,610 | 4,185 | 4,600 | 4,850 | 4,965 |
| In | 1,500 | 1,670 | 1,940 | 2,150 | 2,250 | 2,310 |
| Out | 1,745 | 1,940 | 2,245 | 2,500 | 2,600 | 2,655 |
| Trip Rate | | | | | | |
| Daily | 1.86 | 1.85 | 1.83 | 1.82 | 1.82 | 1.82 |

O&D = origin and destination

Notes:

(1) Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Source: HNTB, 2007.

Table D-21

2010-2030 Terminal Passenger Distribution – No Project Alternative

| | | Terminal 1 | Terminal 2 | Terminal 2 | Commuter | |
|------------------------|------------|------------|------------|------------|----------|-------|
| Scenario/Year | Terminal 1 | East * | East | West | Terminal | Total |
| Existing | | | | | | |
| 2005 | 54% | 0% | 15% | 26% | 5% | 100% |
| No Project Alternative | | | | | | |
| 2010 | 52% | 0% | 25% | 19% | 5% | 100% |
| 2015 | 51% | 0% | 27% | 18% | 4% | 100% |
| 2020 | 54% | 0% | 23% | 19% | 4% | 100% |
| 2025 | 53% | 0% | 23% | 21% | 3% | 100% |
| 2030 | 53% | 0% | 24% | 21% | 3% | 100% |

Source: HNTB, 2007.

D.4.3 <u>Traffic Impacts</u>

Impacts to traffic operations on streets, intersections, freeways, and freeway ramps relating to the No Project Alternative are discussed in detail in this section.

D.4.3.1 Street Segments

Table D-22 summarizes the street segment operations for 2010-2030 under the No Project Alternative. As shown, the following roadway segments would operate at unacceptable LOS E or F under the No Project Alternative. The share of airport traffic to total traffic on each street segment is shown.

^{*} New unit terminal under Airport Implementation Project Alternative.

Table D-22 2010-2030 Street Segment Operations - No Project Alternative (2010-2020)

| | | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | | | |
|--------------------|-----------------------------------|---------------------------|-------|--------------------------------|-----------|-----------------------|--------------------|--------------|----------|-------------------|-----------------------|--------------------|--------------|--------|-----------|-----------------------|-----------|-----------|-----|
| Roadway | Seament | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT | Non-SDIA ADT 1000s | Total ADT | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 11.2 | 17.7 | 28.9 | 0.48 | B | 12.9 | 20.4 | 33.3 | 0.56 | B | 14.2 | 25.2 | 39.3 | 0.66 | C |
| NOITH HAIDOI DIVC | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 15.7 | 15.1 | 30.8 | 0.51 | B | 17.8 | 16.3 | 34.1 | 0.57 | B | 19.3 | 20.7 | 40.0 | 0.67 | C |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 10.7 | 14.9 | 25.6 | 0.43 | B | 11.8 | 16.2 | 28.0 | 0.47 | B | 12.8 | 18.3 | 31.1 | 0.52 | В |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 21.6 | 15.0 | 36.6 | 0.56 | B | 24.7 | 16.3 | 41.0 | 0.63 | C | 26.3 | 18.2 | 44.5 | 0.68 | C |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 19.6 | 18.3 | 37.9 | 0.58 | C | 22.0 | 18.4 | 40.4 | 0.62 | C | 22.9 | 19.1 | 41.9 | 0.64 | C |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 35.0 | 18.3 | 53.3 | 0.76 | C | 39.6 | 18.3 | 57.9 | 0.83 | C | 43.0 | 19.1 | 62.1 | 0.89 | D |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 37.0 | 18.4 | 55.4 | 0.79 | C | 42.6 | 18.4 | 61.0 | 0.87 | D | 46.3 | 19.1 | 65.5 | 0.94 | Ē |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 63.6 | 20.8 | 84.4 | 1.41 | - | 73.6 | 20.7 | 94.3 | 1.57 | | 80.6 | 22.1 | 102.8 | 1.71 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 41.1 | 15.2 | 56.3 | 0.94 | F | 47.5 | 15.4 | 62.9 | 1.05 | | 51.9 | 16.7 | 68.6 | 1.14 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.7 | 14.0 | 39.7 | 0.94 | C | 29.7 | 13.4 | 43.1 | 0.72 | C | 32.6 | 14.0 | 46.5 | 0.78 | C |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 13.7 | 6.7 | 20.4 | 0.82 | D | 15.9 | 7.1 | 23.0 | 0.72 | F | 17.6 | 8.5 | 26.1 | 1.04 | F |
| Grape Street | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 16.4 | 28.9 | 1.16 | <u> </u> | 14.5 | 17.1 | 31.6 | 1.26 | - | 15.8 | 18.5 | 34.4 | 1.04 | F |
| | | | 3U | 25.0 | 12.5 | 23.3 | 35.7 | | F | | 23.7 | 38.1 | 1.52 | F | 15.8 | | 36.9 | | F |
| Hawthorn Street | Kettner - I-5 Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.6 | | 20.7 | 1.43 0.83 | D | 14.4 18.0 | 5.4 | 23.4 | 0.94 | | 19.8 | 21.1 6.7 | 26.5 | 1.48 | F |
| nawmom Street | | 3-Lane Major 1-Way | | | | 5.1 | | 0.00 | | | | | | E | | | | 1.06 | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 25.0 | 12.6 | 6.0 | 18.6 | 0.75 | C F | 14.7 14.7 | 6.2 | 20.9 | 0.83 1.35 | D F | 16.1 | 7.4 | 23.5 | 0.94 | E |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | | 12.6 | 17.2 | 29.8 | 1.19 | | | 19.2 | 33.9 | | | 16.1 | 20.4 | 36.5 | 1.46 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.2 | 7.2 | 7.4 | 0.29 | A | 0.2 | 7.2 | 7.4 | 0.30 | A | 0.3 | 9.6 | 9.9 | 0.39 | A |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 8.9 | 13.0 | 21.9 | 0.88 | D | 10.4 | 13.1 | 23.5 | 0.94 | E | 11.5 | 16.0 | 27.5 | 1.10 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 9.0 | 11.0 | 20.0 | 0.80 | D | 10.5 | 11.9 | 22.4 | 0.90 | D | 11.6 | 18.7 | 30.3 | 1.21 | F |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 7.7 | 8.6 | 16.3 | 0.65 | C | 8.9 | 9.5 | 18.4 | 0.74 | C | 9.9 | 16.0 | 25.8 | 1.03 | F |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.2 | 7.2 | 0.29 | Α | 0.1 | 7.9 | 8.0 | 0.32 | A | 0.2 | 13.3 | 13.5 | 0.54 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 14.8 | 14.8 | 0.59 | C | 0.1 | 16.8 | 16.9 | 0.68 | С | 0.2 | 21.5 | 21.7 | 0.87 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 22.5 | 6.3 | 28.8 | 0.72 | С | 26.1 | 6.7 | 32.8 | 0.82 | D | 28.8 | 6.0 | 34.7 | 0.87 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 18.2 | 7.2 | 25.4 | 0.85 | E | 21.4 | 7.8 | 29.2 | 0.97 | E | 23.8 | 6.9 | 30.7 | 1.02 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 10.6 | 8.5 | 19.1 | 0.64 | С | 12.8 | 9.6 | 22.4 | 0.75 | D | 14.6 | 8.0 | 22.6 | 0.75 | D |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 4.1 | 22.8 | 26.9 | 0.54 | В | 4.8 | 27.3 | 32.1 | 0.64 | С | 5.4 | 24.3 | 29.7 | 0.59 | С |
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 6.6 | 17.5 | 24.1 | 0.48 | В | 7.7 | 21.0 | 28.7 | 0.57 | С | 8.5 | 20.9 | 29.4 | 0.59 | С |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 6.6 | 18.1 | 24.7 | 0.49 | В | 7.7 | 21.7 | 29.4 | 0.59 | С | 8.5 | 21.0 | 29.6 | 0.59 | С |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 2.0 | 19.1 | 21.1 | 0.42 | В | 2.5 | 22.6 | 25.1 | 0.50 | В | 3.1 | 25.5 | 28.6 | 0.57 | С |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 4.7 | 19.6 | 24.3 | 0.49 | В | 5.6 | 23.2 | 28.8 | 0.58 | С | 6.3 | 26.0 | 32.3 | 0.65 | С |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | Α | 0.0 | 0.9 | 0.9 | 0.11 | Α | 0.0 | 0.3 | 0.3 | 0.04 | Α |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 3.1 | 8.3 | 11.4 | 0.95 | E | 4.0 | 9.7 | 13.7 | 1.14 | F | 4.7 | 9.3 | 14.0 | 1.17 | F |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 1.6 | 8.5 | 10.0 | 1.25 | F | 2.0 | 9.7 | 11.7 | 1.46 | F | 2.3 | 9.4 | 11.7 | 1.46 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 3.9 | 16.5 | 20.4 | 0.68 | D | 4.7 | 18.6 | 23.3 | 0.78 | D | 5.4 | 19.1 | 24.5 | 0.82 | D |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.6 | 23.3 | 26.9 | 0.90 | Е | 4.2 | 25.5 | 29.7 | 0.99 | E | 4.8 | 28.6 | 33.4 | 1.11 | F |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.5 | 8.7 | 16.2 | 2.03 | F | 8.8 | 10.2 | 19.0 | 2.38 | F | 9.7 | 7.9 | 17.6 | 2.20 | F |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 7.5 | 13.2 | 20.8 | 1.73 | F | 8.8 | 15.4 | 24.1 | 2.01 | F | 9.7 | 12.6 | 22.3 | 1.86 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 5.4 | 13.5 | 18.8 | 1.57 | F | 6.9 | 14.6 | 21.5 | 1.79 | F | 8.0 | 15.2 | 23.2 | 1.93 | F |
| Rosecrans Street | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 5.2 | 40.1 | 45.3 | 0.91 | Е | 6.0 | 42.4 | 48.4 | 0.97 | E | 6.5 | 34.3 | 40.9 | 0.82 | D |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U-5U | 40.0 45.0 | 5.2 | 35.9 | 41.1 | 1.03 0.91 | F-E | 6.0 | 35.4 | 41.4 | 1.03-0.92 | F-E | 6.5 | 31.1 | 37.7 | 0.94 0.84 | ED |
| | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 5.2 | 35.9 | 41.1 | 1.03 | F | 6.0 | 35.4 | 41.4 | 1.03 | F | 6.5 | 31.1 | 37.7 | 0.94 | E |
| Nimitz Boulevard | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 9.5 | 8.7 | 18.3 | 0.46 | В | 11.0 | 8.5 | 19.5 | 0.49 | В | 12.1 | 11.2 | 23.2 | 0.58 | С |

Source: HNTB, 2007.
(1) Does not include traffic on flyover.
MAP - Million Annual Passengers
LOS - Level of Service

Table D-22 (continued)

2010-2030 Street Segment Operations - No Project Alternative (2025-2030)

| | | | | | | | Year 2025 | | | | | Year 2030 | | |
|--------------------|-----------------------------|---------------------------|---------------|--------------------------------|-------------------|--------------------------|--------------------|-------------|----------|-------------------|--------------------------|--------------------|-------------|----------|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 14.8 | 26.7 | 41.5 | 0.69 | С | 18.8 | 28.5 | 47.3 | 0.79 | С |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 20.1 | 21.8 | 41.8 | 0.70 | С | 23.9 | 23.3 | 47.2 | 0.79 | С |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 13.1 | 18.4 | 31.5 | 0.53 | В | 15.4 | 20.7 | 36.1 | 0.60 | С |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 27.6 | 18.1 | 45.7 | 0.70 | С | 29.7 | 19.8 | 49.5 | 0.76 | С |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 23.9 | 20.4 | 44.3 | 0.68 | С | 24.0 | 21.1 | 45.1 | 0.69 | С |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 44.9 | 20.5 | 65.3 | 0.93 | E | 44.5 | 21.1 | 65.6 | 0.94 | E |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 48.0 | 20.4 | 68.3 | 0.98 | E | 47.0 | 20.9 | 67.9 | 0.97 | E |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 84.1 | 20.9 | 105.0 | 1.75 | F | 81.9 | 21.7 | 103.6 | 1.73 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 54.1 | 17.5 | 71.6 | 1.19 | F | 55.0 | 18.2 | 73.3 | 1.22 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 34.0 | 14.8 | 48.7 | 0.81 | С | 34.6 | 14.8 | 49.5 | 0.82 | С |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 18.3 | 9.0 | 27.3 | 1.09 | F | 18.7 | 9.7 | 28.4 | 1.13 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.5 | 18.8 | 35.3 | 1.41 | F | 16.8 | 19.8 | 36.6 | 1.46 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.5 | 21.8 | 38.3 | 1.53 | F | 16.8 | 24.7 | 41.5 | 1.66 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 20.6 | 7.0 | 27.6 | 1.10 | F | 21.0 | 7.9 | 28.9 | 1.16 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.8 | 7.8 | 24.6 | 0.98 | E | 17.1 | 8.7 | 25.9 | 1.03 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.8 | 21.8 | 38.6 | 1.54 | F | 17.1 | 24.5 | 41.6 | 1.66 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 10.7 | 11.1 | 0.44 | В | 0.4 | 4.2 | 4.6 | 0.18 | Α |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 12.0 | 14.1 | 26.1 | 1.04 | F | 10.4 | 17.4 | 27.8 | 1.11 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.1 | 17.2 | 29.3 | 1.17 | F | 10.5 | 14.2 | 24.8 | 0.99 | E |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.3 | 13.7 | 24.0 | 0.96 | E | 8.7 | 12.6 | 21.2 | 0.85 | D |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.3 | 11.0 | 11.3 | 0.45 | В | 0.3 | 11.4 | 11.7 | 0.47 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.3 | 19.9 | 20.2 | 0.81 | D | 0.3 | 21.5 | 21.8 | 0.87 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 30.1 | 4.0 | 34.0 | 0.85 | D | 26.9 | 4.3 | 31.2 | 0.78 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 25.0 | 6.8 | 31.7 | 1.06 | F | 21.9 | 12.1 | 34.0 | 1.13 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.5 | 8.1 | 23.5 | 0.78 | D | 14.1 | 12.9 | 27.0 | 0.90 | E |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 5.7 | 27.4 | 33.1 | 0.66 | С | 5.8 | 19.1 | 24.8 | 0.50 | В |
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 9.0 | 22.2 | 31.2 | 0.62 | С | 9.1 | 16.3 | 25.4 | 0.51 | В |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 9.0 | 22.0 | 30.9 | 0.62 | С | 9.1 | 15.4 | 24.6 | 0.49 | В |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 3.3 | 27.7 | 31.1 | 0.62 | С | 3.5 | 23.3 | 26.8 | 0.54 | В |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 6.6 | 28.1 | 34.8 | 0.70 | С | 6.8 | 24.1 | 30.9 | 0.62 | С |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.01 | Α | 0.0 | 0.1 | 0.1 | 0.01 | Α |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 5.0 | 10.4 | 15.4 | 1.28 | F | 5.2 | 6.1 | 11.3 | 0.94 | E |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 2.5 | 9.8 | 12.3 | 1.53 | F | 2.6 | 8.0 | 10.6 | 1.32 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 5.8 | 18.9 | 24.8 | 0.83 | D | 6.2 | 12.7 | 18.9 | 0.63 | С |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.1 | 28.1 | 33.2 | 1.11 | F | 5.3 | 22.5 | 27.9 | 0.93 | E |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.1 | 7.9 | 18.0 | 2.25 | F | 8.5 | 12.6 | 21.1 | 2.64 | F |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.1 | 12.5 | 22.6 | 1.88 | F | 8.5 | 16.5 | 25.0 | 2.09 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 8.5 | 14.7 | 23.2 | 1.93 | F | 7.4 | 21.5 | 28.9 | 2.41 | F |
| Rosecrans Street | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 6.8 | 34.6 | 41.4 | 0.83 | D | 10.3 | 33.7 | 44.0 | 0.88 | D |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U- <u>5U</u> | 40.0 <u>45.0</u> | 6.8 | 31.3 | 38.1 | 0.95 | Е | 10.3 | 29.0 | 39.3 | 0.98 | E |
| | Nimitz - Quimby | 4-lane Major | <u>4U</u> | <u>40.0</u> | <u>6.8</u> | <u>31.3</u> | <u>38.1</u> | <u>0.95</u> | <u>E</u> | <u>49.0</u> | <u>29.0</u> | <u>39.3</u> | <u>0.98</u> | <u>E</u> |
| Nimitz Boulevard | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 12.6 | 11.8 | 24.4 | 0.61 | С | 16.6 | 11.7 | 28.3 | 0.71 | С |

Source: HNTB, 2007.

(1) Does not include traffic on flyover. MAP - Million Annual Passengers

LOS - Level of Service

D.4.3.2 Intersections

Tables D-23, **D-24**, **D-25**, **D-26**, **D-27**, **D-28**, **D-29**, **D-30**, **D-31**, **and D-32** show the intersection turning volumes under the No Project Alternative. **Table D-33** summarizes the intersection operations for each analysis year under the No Project Alternative. Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part
 of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound
 approaches.

These changes were assumed in future year analysis for all alternatives.

Table D-23 2010 Intersection Turning Volumes – AM Peak Hour – No Project Alternative

| Intersection | | | | | | | | | | | | | | | |
|--------------|--|-----------------------|-----------|------------|-----------|----------------|------------|-----------|---------------|----------------|-----------|------------|----------------|----------------|-----------------------|
| Number | | Total | NBL 0 | NBT | NBR 0 | SBL 551 | SBT 0 | SBR 23 | EBL 11 | EBT 431 | EBR 0 | WBL 7 | WBT 589 | WBR 294 | Total 1,906 |
| | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 192 | 0 | 0 | 0 | 33 | 0 | 0 | 25 | 150 | 400 |
| 1 | | Background | 0 | 0 | 0 | 359 | 0 | 23 | 11 | 398 | 0 | 7 | 564 | 144 | 1,506 |
| 2 | North Harbar Drive / MaCain Ct | Total | 0 | 0 | 0 | 103 | 0 | 31 | 156 | 600 | 0 | 0 | 922 | 433 | 2,245 |
| 2 | North Harbor Drive / McCain St | Airport Background | 0 | 0 | 0 | 40 63 | 0 | 7 24 | 13 143 | 212 388 | 0 | 0 | 169 753 | 143 290 | 584 1.661 |
| | | Total | 5 | 0 | 18 | 23 | 0 | 124 | 70 | 692 | 4 | 15 | 1,515 | 0 | 2,466 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 124 | 70 | 182 | 0 | 0 | 188 | 0 | 587 |
| | | Background Total | 5 41 | 0 | 18 144 | 0 19 | 7 | 0 80 | 79 | 510 571 | 4 82 | 15 238 | 1,327 1,805 | 0 | 1,879 3,071 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 10 | 5 5 | 38 | 19 | 7 | 80 | 79 | 103 | 22 | 65 | 494 | 0 | 922 |
| | | Background | 31 | 0 | 106 | 0 | 0 | 0 | 0 | 468 | 60 | 173 | 1,311 | 0 | 2,149 |
| _ | N | Total | 0 | 0 | 0 | 86 | 0 | 168 | 68 | 667 | 0 | 0 | 2,463 | 241 | 3,693 |
| 5 | North Harbor Drive / Winship Lane | Airport Background | 0 | 0 | 0 | 86 0 | 0 | 168 0 | 68 0 | 93 574 | 0 | 0 | 979 1,484 | 241 0 | 1,635 2,058 |
| | | Total | 53 | 0 | 43 | 10 | 0 | 14 | 16 | 1,541 | 67 | 113 | 2,637 | 19 | 4,513 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 53 | 0 | 43 | 10 | 0 | 14 | 16 | 967 | 67 | 113 | 1,153 | 19 | 2,455 |
| | | Background | 0 13 | 107 | 0 | 0 | 0 229 | 0 99 | 0 85 | 574 | 0 27 | 0 | 1,484 | 0 | 2,058 |
| 7 | Sheraton / Harbor Island Drive | Total Airport | 0 | 54 | 0 | 0 | 95 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 566 149 |
| • | Shoraton Filandor Island Silvo | Background | 13 | 53 | Ö | 0 | 134 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 417 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 86 | 0 | 0 | 62 | 1 | 269 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 0 | 82 0 | 12 74 | 0 | 0 | 16 46 | 0 | 149 120 |
| | | Background Total | 60 | 495 | 71 | 47 | 546 | 8 | 4 | 56 | 37 | 202 | 111 | 53 | 1,690 |
| 9 | Sassafras Street / Pacific Highway | Airport | 60 | 62 | 0 | 0 | 80 | 8 | 4 | 56 | 37 | 0 | 111 | 0 | 418 |
| | | Background | 0 | 433 | 71 | 47 | 466 | 0 | 0 | 0 | 0 | 202 | 0 | 53 | 1,272 |
| 10 | Laurel Street / North Harbor Drive | Total | 0 | 0 | 0 | 24 | 0 | 4 0 | 391 371 | 1,100 649 | 0 | 0 | 1,881 | 40 | 3,440 |
| 10 | Laurel Street / North Harbor Drive | Airport Background | 0 | 0 | 0 | 0 24 | 0 | 4 | 20 | 451 | 0 | 0 | 828 1,053 | 0 40 | 1,848 1,592 |
| | | Total | 0 | 284 | Ö | 0 | 1,041 | Ö | 0 | 0 | 0 | 81 | 0 | 1,907 | 3,313 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 213 | 0 | 0 | 649 | 0 | 0 | 0 | 0 | 6 | 0 | 616 | 1,484 |
| | | Background | 0 | 71 223 | 0 | 0 826 | 392 | 0 | 0 | 0 | 0 | 75 | 0 | 1,291 | 1,829 |
| 12 | Grape Street / North Harbor Drive | Total Airport | 0 | 213 | 111 4 | 437 | 484 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,644 872 |
| | | Background | 0 | 10 | 107 | 389 | 266 | Ö | 0 | 0 | 0 | 0 | 0 | 0 | 772 |
| | | Total | 35 | 315 | 88 | 80 | 263 | 349 | 88 | 523 | 2 | 48 | 698 | 60 | 2,549 |
| 13 | Laurel Street / Pacific Highway | Airport Background | 0 | 42 | 3 | 3 | 27 236 | 88 261 | 75 13 | 295 228 | 0 | 47 | 368 330 | 4 | 906 |
| | | Total | 35 115 | 273 199 | 85 0 | 77 0 | 157 | 52 | 0 | 0 | 0 | 258 | 1,861 | 56 86 | 1,643 2,728 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 115 | 43 | Ö | 0 | 21 | 6 | 0 | 0 | 0 | 0 | 501 | 2 | 688 |
| | | Background | 0 | 156 | 0 | 0 | 136 | 46 | 0 | 0 | 0 | 258 | 1,360 | 84 | 2,040 |
| 15 | Crons Street / Desifie Highway | Total | 0 | 567 | 161 0 | 144 0 | 796 | 0 | 62 4 | 793 397 | 40 40 | 0 | 0 | 0 | 2,563 |
| 15 | Grape Street / Pacific Highway | Airport Background | 0 | 153 414 | 161 | 144 | 21 775 | 0 | 58 | 397 | 0 | 0 | 0 | 0 | 615 1,948 |
| | | Total | 0 | 0 | 0 | 235 | 321 | 548 | 0 | 618 | 45 | 40 | 242 | 0 | 2,049 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 2 | 0 | 304 | 0 | 301 | 0 | 1 | 69 | 0 | 677 |
| | | Background Total | 0 | 0 | 0 | 233 | 321 155 | 244 82 | 0 | 317 0 | 45 0 | 39 | 173 2,505 | 0 | 1,372 2.898 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 155 | 02 | 0 | 0 | 0 | 156 0 | 503 | 0 | 504 |
| | | Background | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,002 | 0 | 2,394 |
| | | Total | 0 | 0 | 0 | 92 | 462 | 0 | 0 | 1,339 | 91 | 0 | 0 | 0 | 1,984 |
| 18 | Grape Street / Kettner Boulevard | Airport Background | 0 | 0 | 0 | 91 | 0 462 | 0 | 0 | 392 947 | 5 86 | 0 | 0 | 0 | 398 1,586 |
| | | Total | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 430 | 1,060 | 0 | 0 | 0 | 1,756 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 391 | 0 | 0 | 0 | 394 |
| | | Background | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 427 | 669 | 0 | 0 | 0 | 1,362 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total Airport | 45 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,464 500 | 78 0 | 2,630 500 |
| 20 | Hawtion Street / 1-3 Northbound On-Namp | Background | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,964 | 78 | 2,130 |
| | | Total | 78 | 109 | 19 | 0 | 0 | 0 | 463 | 343 | 37 | 0 | 218 | 195 | 1,462 |
| 21 | Laurel Street / India Street | Airport | 34 | 1 | 0 | 0 | 0 | 0 | 238 | 28 | 37 | 0 | 36 | 0 | 374 |
| | | Background Total | 44 0 | 108 | 19 0 | 0 113 | 0 1,256 | 0 328 | 225 0 | 315 48 | 0 40 | 0 121 | 182 80 | 195 0 | 1,088 1,986 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 306 | 31 | 0 | 15 | 15 | 0 | 31 | 0 | 398 |
| | | Background | 0 | 0 | 0 | 113 | 950 | 297 | 0 | 33 | 25 | 121 | 49 | 0 | 1,588 |
| 00 | 0 | Total | 182 | 793 | 11 | 0 | 0 | 0 | 104 | 24 | 50 | 0 | 33 | 21 | 1,218 |
| 23 | Sassafras Street / India Street | Airport Background | 56 126 | 239 554 | 0 11 | 0 | 0 | 0 | 28 76 | 0 24 | 0 50 | 0 | 33 | 0 21 | 323 895 |
| | | Total | 0 | 0 | 0 | 185 | 32 | 53 | 0 | 64 | 37 | 147 | 154 | 0 | 672 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 11 | 65 | 26 | 0 | 130 |
| | | Background | 0 | 0 | 0 | 185 | 32 | 53 | 0 | 36 | 26 | 82 | 128 | 0 | 542 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total Airport | 65 7 | 11 | 117 49 | 26 0 | 6 | 18 0 | 22 0 | 0 | 230 28 | 312 84 | 143 | 47 0 | 997 168 |
| 20 | vvasimigion street / Faulic Highway No-Ramps (1) | Background | 58 | 11 | 68 | 26 | 6 | 18 | 22 | 0 | 202 | 228 | 143 | 47 | 829 |
| | | Total | 0 | 258 | 103 | 321 | 375 | 0 | 354 | 165 | 130 | 0 | 0 | 0 | 1,706 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 64 | 13 | 0 | 75 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 161 |
| | | Background Total | 0 94 | 194 | 90 | 321 0 | 300 | 0 536 | 354 0 | 165 0 | 121 0 | 0 174 | 0 204 | 7 | 1,545 2,132 |
| 27 | Washington Street / San Diego Avenue | Airport | 13 | 579 51 | 0 | 0 | 538 66 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 139 |
| | g | Background | 81 | 528 | 0 | 0 | 472 | 536 | 0 | 0 | 0 | 165 | 204 | 7 | 1,993 |
| | | Total | 200 | 148 | 220 | 99 | 145 | 61 | 60 | 173 | 143 | 301 | 147 | 86 | 1,783 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 2 | 8 | 0 | 3 | 1 | 0 | 172 | 0 | 10 | 2 | 0 | 27 |
| | | Background Total | 200 16 | 146 111 | 212 87 | 99 39 | 142 127 | 60 40 | 60 148 | 172 639 | 143 28 | 291 111 | 145 637 | 86 40 | 1,756 2,023 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 68 | 82 | 0 | 88 | 0 | 0 | 0 | 0 | 104 | 0 | 0 | 342 |
| | | Background | 16 | 43 | 5 | 39 | 39 | 40 | 148 | 639 | 28 | 7 | 637 | 40 | 1,681 |
| Source: HNTB | , 2007 | | | | | | | | | | | | | | |

Table D-24 2010 Intersection Turning Volumes – PM Peak Hour – No Project Alternative

| Intersection # | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|-------------------|--|-----------------------|------------|------------------|-----------|------------|--------------|-------------|------------|--------------|--------------|------------|--------------|--------------|----------------|
| # | | Total | 0 NBL | 0 NB 1 | 0 0 | 457 | 0 | 5 BR | 36 | 562 | 0 | 14 | 584 | 769 | 2,478 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport Background | 0 | 0 | 0 | 153 304 | 0 | 0 56 | 0 36 | 27 535 | 0 | 0 14 | 31 553 | 167 602 | 378 2,100 |
| | | Total | 0 | 0 | 0 | 419 | 0 | 156 | 34 | 920 | 0 | 0 | 1,051 | 162 | 2,742 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 82 | 0 | 14 | 9 | 171 | 0 | 0 | 184 | 112 | 572 |
| | | Background Total | 7 | 0 | 0 25 | 337 23 | 0 | 142 105 | 25 58 | 749 1,600 | 0 18 | 0 5 | 867 1,152 | 50 0 | 2,170 2,993 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 105 | 58 | 196 | 0 | 0 | 191 | 0 | 573 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,404 | 18 | 5 | 961 | 0 | 2,420 |
| 4 | North Harbor Drive / Harbor Island Drive | Total Airport | 153 11 | 4 | 327 52 | 21 21 | 7 | 85 85 | 66 66 | 1,459 133 | 123 21 | 463 56 | 1,244 420 | 0 | 3,952 876 |
| - | Notth Harbor Drive / Harbor Island Drive | Background | 142 | 0 | 275 | 0 | 0 | 0 | 0 | 1,326 | 102 | 407 | 824 | 0 | 3,076 |
| | | Total | 0 | 0 | 0 | 105 | 0 | 198 | 62 | 1,744 | 0 | 0 | 2,050 | 228 | 4,387 |
| 5 | North Harbor Drive / Winship Lane | Airport Background | 0 | 0 | 0 | 105 0 | 0 | 198 0 | 62 0 | 143 1,601 | 0 | 0 | 818 1,232 | 228 0 | 1,554 2,833 |
| | | Total | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 2,637 | 74 | 86 | 2,188 | 14 | 5,209 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 1,036 | 74 | 86 | 956 | 14 | 2,376 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| 7 | Sheraton / Harbor Island Drive | Total Airport | 23 0 | 408 68 | 0 | 0 | 523 83 | 70 0 | 0 | 0 | 25 0 | 0 | 0 | 0 | 1,128 151 |
| | | Background | 23 | 340 | 0 | 0 | 440 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 977 |
| | Frankrick Lat (Hartra Island Drive | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 95 | 0 | 0 | 126 | 1 | 345 |
| 8 | Employee Lot / Harbor Island Drive | Airport Background | 0 | 0 | 0 | 0 | 0 | 55 0 | 68 0 | 15 80 | 0 | 0 | 13 113 | 0 | 152 193 |
| | | Total | 56 | 857 | 353 | 125 | 950 | 7 | 11 | 157 | 81 | 165 | 94 | 44 | 2,900 |
| 9 | Sassafras Street / Pacific Highway | Airport | 56 | 73 | 0 | 0 | 66 | 7 | 11 | 157 | 81 | 0 | 94 | 0 | 545 |
| | | Background Total | 0 | 784 0 | 353 0 | 125 72 | 884 0 | 0 11 | 0 1,117 | 0 1,924 | 0 | 165 0 | 0 1,615 | 44 105 | 2,355 4,844 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 419 | 723 | 0 | 0 | 664 | 0 | 1,806 |
| | ļ | Background | 0 | 0 | 0 | 72 | 0 | 11 | 698 | 1,201 | 0 | 0 | 951 | 105 | 3,038 |
| 11 | Hawthorn Street / North Harbor Drive | Total Airport | 0 | 582 171 | 0 | 0 | 2,095 723 | 0 | 0 | 0 | 0 | 134 6 | 0 | 1,064 493 | 3,875 1,393 |
| '' | Hawaiom Sueet/ Notar Harbor Brive | Background | 0 | 411 | 0 | 0 | 1,372 | 0 | 0 | 0 | 0 | 128 | 0 | 571 | 2,482 |
| | | Total | 0 | 641 | 268 | 1,154 | 1,097 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,160 |
| 12 | Grape Street / North Harbor Drive | Airport Background | 0 | 171 470 | 7 261 | 481 673 | 247 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 906 2,254 |
| | | Total | 111 | 600 | 147 | 138 | 474 | 369 | 471 | 696 | 58 | 52 | 799 | 77 | 3,992 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 41 | 2 | 6 | 60 | 82 | 84 | 334 | 0 | 1 | 310 | 4 | 924 |
| | | Background | 111 | 559 | 145 | 132 | 414 | 287 | 387 | 362 | 58 | 51 | 489 | 73 | 3,068 |
| 14 | Hawthorn Street / Pacific Highway | Total Airport | 127 92 | 588 41 | 0 | 0 | 551 55 | 50 6 | 0 | 0 | 0 | 147 0 | 1,034 401 | 83 1 | 2,580 596 |
| | ,, | Background | 35 | 547 | 0 | 0 | 496 | 44 | 0 | 0 | 0 | 147 | 633 | 82 | 1,984 |
| 45 | One of the of the Design Highway | Total | 0 | 663 | 448 | 237 | 535 | 0 | 51 | 1,595 | 36 | 0 | 0 | 0 | 3,565 |
| 15 | Grape Street / Pacific Highway | Airport Background | 0 | 126 537 | 0 448 | 236 | 54 481 | 0 | 7 44 | 445 1,150 | 36 0 | 0 | 0 | 0 | 669 2,896 |
| | | Total | 0 | 0 | 0 | 283 | 601 | 580 | 0 | 878 | 79 | 56 | 293 | 0 | 2,770 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 1 | 0 | 243 | 0 | 342 | 0 | 2 | 72 | 0 | 660 |
| | | Background Total | 0 | 0 | 0 | 282 0 | 601 402 | 337 72 | 0 | 536 0 | 79 0 | 54 192 | 221 1,384 | 0 | 2,110 2,050 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 402 | 0 | 404 |
| | | Background | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 982 | 0 | 1,646 |
| 18 | Grape Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 223 | 487 0 | 0 | 0 | 3,116 437 | 87 8 | 0 | 0 | 0 | 3,913 447 |
| 10 | Grape Greet/ Neurici Boulevard | Background | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 2,679 | 79 | 0 | 0 | 0 | 3,466 |
| | | Total | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 532 | 2,077 | 0 | 0 | 0 | 3,103 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport Background | 0 98 | 0 187 | 0 183 | 0 | 0 | 0 | 0 26 | 3 529 | 436 1,641 | 0 | 0 | 0 | 439 2,664 |
| | | Total | 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,490 | 61 | 1,644 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 399 | 0 | 399 |
| | | Background Total | 36 88 | 57 292 | 0 86 | 0 | 0 | 0 | 0 660 | 0 499 | 0 44 | 0 | 1,091 273 | 61 267 | 1,245 2,209 |
| 21 | Laurel Street / India Street | Airport | 44 | 2 | 0 | 0 | 0 | 0 | 265 | 34 | 44 | 0 | 30 | 0 | 419 |
| | | Background | 44 | 290 | 86 | 0 | 0 | 0 | 395 | 465 | 0 | 0 | 243 | 267 | 1,790 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 186 0 | 1,739 244 | 255 30 | 0 | 208 51 | 95 52 | 85 0 | 84 30 | 0 | 2,652 407 |
| | Sussairus Guesti Retaisi Boulevaru | Background | 0 | 0 | 0 | 186 | 1,495 | 225 | 0 | 157 | 43 | 85 | 54 | 0 | 2,245 |
| | | Total | 171 | 1,334 | 31 | 0 | 0 | 0 | 290 | 60 | 110 | 0 | 14 | 17 | 2,027 |
| 23 | Sassafras Street / India Street | Airport Background | 47 124 | 267 1,067 | 0 31 | 0 | 0 | 0 | 78 212 | 0 60 | 0 110 | 0 | 0 14 | 0 17 | 392 1,635 |
| | | Total | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 223 | 51 | 198 | 80 | 0 | 1,099 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 52 | 46 | 0 | 135 |
| | | Background Total | 0 37 | 0 25 | 0 198 | 488 57 | 49 55 | 10 7 | 0 55 | 196 14 | 41 592 | 146 326 | 34 207 | 0 59 | 964 1,632 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 13 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 27 | 85 | 0 | 0 | 1,632 |
| _ | 3 | Background | 24 | 25 | 138 | 57 | 55 | 7 | 55 | 14 | 565 | 241 | 207 | 59 | 1,447 |
| 26 | Washington Street / Hanasak Street | Total | 0 | 651 | 157 | 343 | 379 | 0 | 555 | 331 | 155 | 0 | 0 | 0 | 2,571 |
| 26 | Washington Street / Hancock Street | Airport Background | 0 | 74 577 | 13 144 | 0 343 | 70 309 | 0 | 0 555 | 0 331 | 16 139 | 0 | 0 | 0 | 173 2,398 |
| | | Total | 187 | 1,152 | 0 | 0 | 571 | 489 | 0 | 0 | 0 | 185 | 276 | 17 | 2,877 |
| 27 | Washington Street / San Diego Avenue | Airport | 12 | 62 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 144 |
| | | Background Total | 175 351 | 1,090 287 | 0 635 | 0 120 | 517 139 | 489 67 | 0 111 | 0 459 | 0 170 | 169 246 | 276 304 | 17 129 | 2,733 3,018 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 9 | 0 | 2 | 0 | 0 | 1 | 0 | 8 | 1 | 0 | 24 |
| | | | 351 | 284 | 626 | 120 | 137 | 67 | 111 | 458 | 170 | 238 | 303 | 129 | 2,994 |
| 29 | RosecransStreet / Nimitz Boulevard | Total Airport | 18 0 | 194 76 | 111 91 | 30 0 | 104 70 | 30 0 | 332 0 | 812 0 | 33 0 | 173 83 | 653 0 | 53 0 | 2,543 320 |
| | Transaction / Training Bodievard | Background | 18 | 118 | 20 | 30 | 34 | 30 | 332 | 812 | 33 | 90 | 653 | 53 | 2,223 |
| Source: HNTE | R 2007 | | | | | | | | | | | | | | |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl ebr ebt

Table D-25 2015 Intersection Turning Volumes – AM Peak Hour – No Project Alternative

| North Nathor Drine North Called Fragment North Nathor Drine No | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|-------------|--|------------|------|-------|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|----------------|
| 1 | | | | 0 | 0 | 0 | 607 | 0 | 22 | 13 | 519 | 0 | 8 | 681 | 343 | 2,193 |
| Proceedings Process | | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | 464 |
| 2 North Harbor Drive / Nocan S Asport | 1 | | | | | | | | | | | | | | | 1,729 |
| Sectionary | 2 | North Harbar Drive / McCain Ct | | | | | | | | | | _ | | | | 2,402 659 |
| 3 North Harbor Drive / Spanish Landing | 2 | Notti Halboi Dilve / McCalil St | | | | | | | | | | | | | | 1,743 |
| North Harbor Drive / Harbor Island Drive Appart 10 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 2,671 |
| 4 North Harbor Drive / Harbor Island Drive Total 43 6 149 18 8 51 50 633 80 220 1,550 0 1 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | 663 |
| Appendix | | Background | | 0 | | | 0 | | | 565 | | | | | 2,008 |
| Bestground Section S | | | Total | | | | | | | | | | | | | 3,317 |
| 5 North Harbor Drive / Wirship Lane Apport 0 0 0 0 00 0 0 0 192 75 75 25 0 0 0 2 2668 2808 4 Apport 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | 1,036 |
| Section | | | | | | | | | | | | | | | | 2,281 |
| Background 0 0 0 0 0 0 0 0 0 | | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | 4,061 |
| 6 North Harbor Dine / Rental Car Road Apport 63 0 0 00 110 0 144 181 1759 79 133 2888 19 5 6 84 19 5 7 84 19 5 7 84 19 5 7 84 19 5 7 84 19 5 8 19 5 19 5 | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | 1,877 2,184 |
| Roter Harbor Drive / Remail Car Road Arport Car Sheraton / Harbor Island Drive Remail Car Road Resignation Car Sheraton / Harbor Island Drive Resignation Car Sheraton / Car She | | | | | | | | | | | | | | | | 5,024 |
| Residence | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | 2,840 |
| 7 Sherator / Harbor Island Drive | - | | | | | | | | | | | | | | | 2,184 |
| Beskignand 13 57 0 0 143 69 86 6 27 0 0 0 0 0 0 0 0 0 | | | Total | 13 | 113 | | 0 | 237 | 99 | 85 | 6 | 27 | 0 | 0 | | 580 |
| B | 7 | Sheraton / Harbor Island Drive | | _ | | | | | | | | | | | | 153 |
| Beginplayer Lot / Harbor Island Drive Alipport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 427 |
| Sassafras Street / Pacific Highway | | <u> </u> | | | | | | | | | | | | | | 285 |
| 9 Sassafras Street / Pacific Highway Arport 1 70 592 86 50 682 9 5 6 65 43 244 130 65 2 9 1 6 8 6 9 6 86 9 6 8 6 9 6 8 6 9 6 8 6 9 6 8 8 3 244 130 0 0 0 0 1 6 9 8 8 9 6 8 6 9 6 8 8 9 6 8 8 9 6 8 8 9 6 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 9 8 8 9 8 9 8 8 9 8 9 8 8 9 9 8 9 8 9 8 9 8 9 9 8 9 8 9 8 9 9 8 9 8 9 9 8 9 8 9 8 9 9 8 9 8 9 8 9 9 8 9 8 9 8 9 9 8 9 9 8 9 9 8 9 | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | 155 |
| 9 Sassafras Street / Pacific Highway Arport 70 73 0 0 0 55 0 5 65 43 0 130 0 1 | | | | | | | | | | | | | | | | 130 2,021 |
| Background 0 519 386 567 50 0 0 0 0 0 0 0 0 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | 490 |
| 10 Laurel Street / North Harbor Drive Arport 0 0 0 0 28 0 4 468 1,202 0 0 1,976 38 3 3 3 3 3 3 3 3 3 3 | ~ | case acino riigimay | | | | | | | | | | | | | | 1,531 |
| 10 Laurel Street / North Harbor Drive Anjort 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 3,702 |
| Bedground Q | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | 2,140 |
| Hawthorn Street / North Harbor Drive Alzport 0 243 0 0 754 0 0 0 0 0 9 0 708 1, | | | | 0 | 0 | 0 | | 0 | 4 | 20 | 448 | 0 | 0 | | 39 | 1,562 |
| Beskground 0 | | | | | | | | | | | | | | | | 3,608 |
| 12 Grape Street / North Harbor Drive Arpport 0 243 310 879 510 0 0 0 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | 1,714 |
| Apport A | | | | | | | | | | | | | | | | 1,894 |
| Background 0 10 103 372 255 0 0 0 0 0 0 0 0 0 | 12 | Grana Street / North Harbor Drive | | | | | | | | | | _ | | _ | | 1,752 1,012 |
| Total 41 374 110 96 317 415 501 509 2 53 785 65 52 18 18 18 19 18 18 19 18 18 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | 740 |
| August A | | | | | | | | | | | | | | | | 2,949 |
| Background | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | 1,068 |
| Hawthorn Street / Pacific Highway Airport 132 54 0 0 0 26 9 0 0 0 0 76 6 5 8 8 8 8 8 9 0 0 0 0 267 1405 87 2 15 15 15 15 15 15 15 | | , , | | | | | | | | | | | | | | 1,881 |
| Sackground O | | | Total | 132 | 239 | 0 | 0 | 187 | 64 | 0 | 0 | 0 | 267 | 1,981 | 93 | 2,963 |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | 803 |
| 15 Grape Street / Pacific Highway Airport 0 178 0 0 26 0 0 7 461 46 0 0 0 0 0 2 | | | | | | | | | | | | | | | | 2,160 |
| Background O | | | | | | | | | | | | | | | | 2,941 |
| Total | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | 718 2.223 |
| Airport | | | | | | | | | | | | | | | | 2,223 |
| Background | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | 804 |
| Hawthorn Street / Kettner Boulevard Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Edulor Guidot / Notalor Edulovara | | | | | | | | | | | | | | 1,513 |
| Background 0 | | | | | | | | | | | | | | | | 3,235 |
| Total | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 582 | 0 | 585 |
| 18 Grape Street / Kettner Boulevard Airport 0 0 0 0 3 0 0 0 0 456 5 0 0 0 0 0 1 | | | | | | | | | | | | | | | | 2,650 |
| Background O O O O O O O O O | | | | | | | | | | | | | | | | 2,161 |
| Total T7 102 87 0 0 0 43 437 1,136 0 0 0 0 1 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | 464 |
| 19 Grape Street / I-5 Southbound On-Ramp Airport 0 0 0 0 0 0 0 0 3 456 0 0 0 0 1 | | | | | | | | | | | | | | | | 1,697 |
| Background | 10 | Grane Street / L5 Southhound On Pamp | | | | | | | | | | | | | | 1,882 459 |
| Total | 10 | Grape Greet / 10 Godfibourid Gri Hamp | | | | | | | | | | | | | | 1,423 |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 2,700 |
| Background | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | 578 |
| Airport 46 3 0 0 0 0 276 33 57 0 42 0 0 | | | | | | | | | | | | | | | | 2,122 |
| Background State Street Kettner Boulevard Total O O O O O O O O O | | | | | | | | | | | | | | | | 1,719 |
| Total 0 0 0 115 1,323 343 0 58 50 139 97 0 0 2, | 21 | Laurel Street / India Street | | | | | | | | | | | | | | 457 |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | 1,262 |
| Background Color | 22 | Sassafras Street / Kettner Roulevard | | | | | | | | | | | | | | 2,125 476 |
| Total 212 922 12 0 0 0 119 28 58 0 34 22 11 23 24 25 25 25 279 0 0 0 0 20 20 20 20 | | Sussainus Giroct/ Nettrier Boulevard | | | | | | | | | | | | | | 1.649 |
| Sassafras Street / India Street | | | | _ | | | | | | _ | _ | _ | | | | 1,407 |
| Background | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | 376 |
| Airport | | | Background | 147 | 643 | 12 | 0 | 0 | 0 | 87 | 28 | | 0 | 34 | 22 | 1,031 |
| Background 0 0 0 0 200 35 57 0 37 27 88 138 0 58 | | | | | | | | | | | | | | | | 747 |
| Total 94 16 155 29 7 20 24 0 258 359 162 53 1, | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | 165 |
| 25 Washington Street / Pacific Highway NB-Ramps | | | | | | | | | | | | | | | | 582 |
| Background | 2F | Washington Street / Pacific History ND D | | | | | | | | | | | | | | 1,177 |
| Total 0 296 120 352 417 0 358 167 134 0 0 0 0 1, Airport 0 77 18 1 89 0 0 0 12 0 0 0 0 1, Airport 0 77 18 1 89 0 0 0 12 0 0 0 0 1, Airport 0 77 18 1 89 0 0 0 12 0 0 0 0 1, Airport 0 37 0 0 564 553 0 0 0 0 194 225 8 2, Airport 18 59 0 0 77 0 0 0 0 12 0 0 0 1, Airport 18 59 0 0 77 0 0 0 0 0 12 0 0 0 1, Airport 18 59 0 0 77 0 0 0 0 0 12 0 0 0 1, Airport 18 18 18 18 18 18 18 1 | ∠5 | washington Street / Pacific Highway NB-Ramps | | | | | | | | | | | | | | 207 970 |
| Airport 0 77 18 1 89 0 0 0 12 0 0 0 0 12 | | | | | | | | | | | | | | | | 1,844 |
| Background O 219 102 351 328 O 358 167 122 O O O O 1, | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | 197 |
| Total 107 637 0 0 564 553 0 0 0 194 225 8 2, Airport 18 59 0 0 77 0 0 0 0 12 0 0 0 1 | | J | | | | | | | | | | | | | | 1,647 |
| 27 Washington Street / San Diego Avenue | | | | | | 0 | | | | 0 | | | | | | 2,288 |
| 28 Rosecrans Street / Pacific Highway | 27 | Washington Street / San Diego Avenue | Airport | 18 | 59 | 0 | | 77 | 0 | 0 | 0 | | 12 | 0 | 0 | 166 |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 9 0 3 1 0 1 0 12 2 0 Background 237 174 252 116 167 71 63 182 151 302 151 89 1 | | · | | | | | | | | | | | | | | 2,122 |
| Background 237 174 252 116 167 71 63 182 151 302 151 89 1, Total 16 123 100 14 115 15 15 671 30 126 627 40 2, RosecransStreet / Nimitz Boulevard Airport 0 80 95 0 101 0 0 0 0 0 120 0 0 3 | | | | | | | | | | | | | | | | 1,986 |
| 29 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | 31 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 80 95 0 101 0 0 0 0 120 0 0 3 | | | | | | | | | | | | | | | | 1,955 |
| | 20 | RosecransStreet / Nimitz Roulevard | | | | | | | | | | | | | | 2,032 396 |
| | 25 | Nosedianisotieet / Millitz Doulevald | Background | 16 | 43 | 5 | 14 | 101 | 15 | 155 | 671 | 30 | 6 | 627 | 40 | 1,636 |
| Source: HNTB, 2007 | Source: Lik | NTR 2007 | Daonground | . 10 | 1 -10 | | | ~ | 0 | 100 | 0/1 | - 50 | | 021 | 70 | 1,000 |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-26 2015 Intersection Turning Volumes – PM Peak Hour – No Project Alternative

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|------------|--|-----------------------|-----------|------------|------------|----------|-----------|----------|---------|--------------|-----------|-----------|------------|-------------|----------------|
| | | Total | 0 | 0 | 0 | 480 | 0 | 55 | 44 | 677 | 0 | 17 | 674 | 899 | 2,846 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 177 | 0 | 0 | 0 | 32 | 0 | 0 | 36 | 193 | 438 |
| | | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| | | Total | 0 | 0 | 0 | 497 | 0 | 189 | 40 | 968 | 0 | 0 | 1,079 | 183 | 2,956 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 83 | 0 | 14 | 9 | 200 | 0 | 0 | 215 | 121 | 642 |
| | | Background | 0 | 0 | 0 | 414 | 0 | 175 | 31 | 768 | 0 | 0 | 864 | 62 | 2,314 |
| | | Total | 7 | 0 | 25 | 24 | 0 | 125 | 69 | 1,789 | 20 | 6 | 1,191 | 0 | 3,256 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 125 | 69 | 214 | 0 | 0 | 210 | 0 | 642 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,575 | 20 | 6 | 981 | 0 | 2,614 |
| 4 | North Harber Drive / Harber Jaland Drive | Total | 159 | 5 | 337 | 21 | 8 | 95 | 75 | 1,630 | 132 | 467 | 1,329 | 0 | 4,258 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 147 | 5 0 | 53 284 | 21 0 | 8 | 95 0 | 75 0 | 141 1,489 | 21 111 | 57 410 | 489 840 | 0 | 977 |
| | | Background Total | 23 | 423 | 0 | 0 | 537 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 3,281 1,157 |
| 5 | Sheraton / Harbor Island Drive | Airport | 0 | 70 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| | Cheratori / Harbor Island Brive | Background | 23 | 353 | 0 | 0 | 451 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,001 |
| | | Total | 0 | 0 | 0 | 140 | 0 | 229 | 67 | 1,921 | 0 | 0 | 2,185 | 275 | 4,817 |
| 6 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 140 | 0 | 229 | 67 | 148 | 0 | 0 | 935 | 275 | 1,794 |
| | , , , , , , , , , , , , , , , , , , , | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 2,973 | 87 | 100 | 2,358 | 14 | 5,769 |
| 7 | North Harbor Drive / Rental Car Road | Airport | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 1,200 | 87 | 100 | 1,108 | 14 | 2,746 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 136 | 1 | 364 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 18 | 0 | 0 | 15 | 1 | 157 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 65 | 1,028 | 424 | 150 | 1,137 | 8 | 13 | 178 | 92 | 202 | 112 | 54 | 3,463 |
| 9 | Sassafras Street / Pacific Highway | Airport | 65 | 87 | 0 | 0 | 78 | 8 | 13 | 178 | 92 | 0 | 112 | 0 | 633 |
| | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| | | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,182 | 2,027 | 0 | 0 | 1,691 | 102 | 5,089 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 487 | 832 | 0 | 0 | 765 | 0 | 2,084 |
| <u> </u> | | Background | 0 | 0 | 0 | 76 | 0 | 11 | 695 | 1,195 | 0 | 0 | 926 | 102 | 3,005 |
| 44 | Housthorn Ctroot / North Hodge Drive | Total | 0 | 589 | 0 | 0 | 2,161 | 0 | 0 | 0 | 0 | 146 | 0 | 1,173 | 4,069 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 196 | 0 | 0 | 832 | 0 | 0 | 0 | 0 | 10 | 0 | 569 | 1,607 |
| | | Background | 0 | 393 | 0 | 1 100 | 1,329 | 0 | 0 | 0 | 0 | 136 | 0 | 604 | 2,462 |
| 40 | O Ott / No-th Hart Drive | Total | 0 | 649 | 262 | 1,199 | 1,101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,211 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 196 | 11 | 554 | 287 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,048 |
| | | Background | 131 | 453 713 | 251 178 | 645 | 814 | 0 438 | 508 | 0 775 | 0 62 | 0 59 | 0 892 | 0 84 | 2,163 |
| 13 | Laurel Street / Pacific Highway | Total | 0 | 51 | 7 | 165 7 | 566 69 | 94 | 97 | 390 | 0 | 3 | 363 | - 84 - 5 | 4,571 |
| 13 | Laurer Street / Facilic Highway | Airport Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 1,086 3,485 |
| | | Total | 147 | 701 | 0 | 0 | 650 | 62 | 0 | 0 | 0 | 152 | 1,116 | 90 | 2,918 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 106 | 53 | 0 | 0 | 63 | 10 | 0 | 0 | 0 | 0 | 462 | 5 | 699 |
| | Tawaisin Substitutions ingilia | Background | 41 | 648 | 0 | 0 | 587 | 52 | 0 | 0 | 0 | 152 | 654 | 85 | 2,219 |
| | | Total | 0 | 753 | 504 | 280 | 632 | 0 | 58 | 1,749 | 42 | 0 | 0 | 0 | 4,018 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 149 | 0 | 1 | 63 | 0 | 11 | 512 | 42 | 0 | 0 | 0 | 778 |
| | . , | Background | 0 | 604 | 504 | 279 | 569 | 0 | 47 | 1,237 | 0 | 0 | 0 | 0 | 3,240 |
| | | Total | 0 | 0 | 0 | 315 | 664 | 653 | 0 | 985 | 86 | 68 | 340 | 0 | 3,111 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 0 | 281 | 0 | 404 | 0 | 7 | 91 | 0 | 787 |
| | | Background | 0 | 0 | 0 | 311 | 664 | 372 | 0 | 581 | 86 | 61 | 249 | 0 | 2,324 |
| | | Total | 0 | 0 | 0 | 0 | 448 | 79 | 0 | 0 | 0 | 213 | 1,555 | 0 | 2,295 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 467 | 0 | 474 |
| | | Background | 0 | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | 1,821 |
| 40 | 0 0 1/4 1 0 1 | Total | 0 | 0 | 0 | 257 | 554 | 0 | 0 | 3,280 | 91 | 0 | 0 | 0 | 4,182 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 504 | 9 | 0 | 0 | 0 | 520 |
| | | Background | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 2,776 | 82 | 0 | 0 | 0 | 3,662 |
| 10 | Crops Street / LE Southhound On Domn (1) | Total | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 541 | 2,173 | 0 | 0 | 0 | 3,298 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 506 | 0 | 0 | 0 | 510 |
| | | Background | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 537 | 1,667 | 0 | 0 1,547 | 0 | 2,788 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total Airport | 39 0 | 61 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 464 | 60 0 | 1,707 464 |
| | | Background | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,083 | 60 | 1,243 |
| | | Total | 117 | 364 | 106 | 0 | 0 | 0 | 747 | 559 | 64 | 0 | 323 | 317 | 2,597 |
| 21 | Laurel Street / India Street | Airport | 63 | 7 | 0 | 0 | 0 | 0 | 305 | 39 | 64 | 0 | 35 | 0 | 513 |
| | | Background | 54 | 357 | 106 | 0 | 0 | 0 | 442 | 520 | 0 | 0 | 288 | 317 | 2,084 |
| | | Total | 0 | 0 | 0 | 189 | 1,809 | 267 | 0 | 245 | 113 | 97 | 100 | 0 | 2,820 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 285 | 38 | 0 | 62 | 63 | 0 | 39 | 0 | 487 |
| | | Background | 0 | 0 | 0 | 189 | 1,524 | 229 | 0 | 183 | 50 | 97 | 61 | 0 | 2,333 |
| | | Total | 200 | 1,550 | 36 | 0 | 0 | 0 | 332 | 69 | 126 | 0 | 15 | 18 | 2,346 |
| 23 | Sassafras Street / India Street | Airport | 56 | 312 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 457 |
| L | | Background | 144 | 1,238 | 36 | 0 | 0 | 0 | 243 | 69 | 126 | 0 | 15 | 18 | 1,889 |
| | | Total | 0 | 0 | 0 | 527 | 53 | 12 | 0 | 240 | 56 | 219 | 99 | 0 | 1,206 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 37 | 14 | 61 | 62 | 0 | 175 |
| | | Background | 0 | 0 | 0 | 527 | 53 | 11 | 0 | 203 | 42 | 158 | 37 | 0 | 1,031 |
| | | Total | 52 | 36 | 269 | 63 | 60 | 8 | 60 | 15 | 649 | 378 | 234 | 66 | 1,890 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 17 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 37 | 106 | 0 | 0 | 229 |
| | | Background | 35 | 36 | 200 | 63 | 60 | 8 | 60 | 15 | 612 | 272 | 234 | 66 | 1,661 |
| | | Total | 0 | 741 | 179 | 376 | 423 | 0 | 562 | 335 | 162 | 0 | 0 | 0 | 2,778 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 89 | 17 | 0 | 85 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 212 |
| | | Background | 0 | 652 | 162 | 376 | 338 | 0 | 562 | 335 | 141 | 0 | 0 | 0 | 2,566 |
| | | Total | 208 | 1,263 | 0 | 0 | 596 | 504 | 0 | 0 | 0 | 207 | 304 | 19 | 3,101 |
| 27 | Washington Street / San Diego Avenue | Airport | 17 | 71 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 21 | 0 | 1 | 174 |
| | | Background | 191 | 1,192 | 0 | 0 | 532 | 504 | 0 | 0 | 0 | 186 | 304 | 18 | 2,927 |
| | | Total | 418 | 341 | 756 | 141 | 163 | 78 | 119 | 485 | 180 | 257 | 315 | 134 | 3,387 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 31 |
| | | Background | 418 | 338 | 745 | 141 | 160 | 78 | 118 | 483 | 180 | 247 | 314 | 134 | 3,356 |
| 20 | PagagrangStroot / Nimits Payloyand | Total | 18 | 206 | 125 | 11 | 93 | 11 | 348 | 852 | 34 | 184 | 643 | 52 | 2,577 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 88 | 105 | 0 | 81 | 0 | 0 | 0.50 | 0 | 96 | 0 | 0 | 370 |
| | ITD 0007 | Background | 18 | 118 | 20 | 11 | 12 | 11 | 348 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| Source: HN | 11B, 2007 | | | | | | | | | | | | | | |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-27 2020 Intersection Turning Volumes – AM Peak Hour – No Project Alternative

| North Harbor Drive / Name | Int # | T | | MDI | NOT | NEE | CD! | CDT | CDD. | ED: | EDT | EDD | WE | MOT | MED | Tatel |
|---|------------|--|------------|-----|-----|-----|-----|-------|------|-----------|------------|-----|-----|-----|-----|---------|
| North Harbor Drive / Moraris Bord Angert | Int # | | Total | NBL | NBT | NBR | SBL | SBT | SBR | EBL 14 | EBT 530 | EBR | WBL | WBT | 306 | 7 Total |
| Decignost 1 | 4 | North Harbor Drive / Nimita Phys | | | | | | | | | | | - | | | |
| North Harbor Drive / Rental Car Road Figure | ' | NOTELL FLATBOLD (1982 / INITIALS DIVE | | | | | | | | | | | | | | |
| 2 North Harbor Drive / Rechard Carlo Rechard Rec | | | | | | | | | | | | | | | | |
| Bouldward | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Drive Spanish Landing Figure | - | Horar harbor brive / Ivicoaiii ot | | | | | | | | | | | | | | |
| North Harbor Dine / Histor Island Drive Appent 0 0 0 0 22 0 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 221 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Bestignound | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Factor Island Drive | 3 | North Harbor Brive / Spanish Landing | | | | | | | | | | | | | | |
| ## North Harbor Chree / Hautor Island Dive Apport 11 77 46 11 9 105 104 120 22 69 592 0 1096 | | | | | | | | | | | | | | | | |
| Besignorial 33 0 113 0 0 0 0 0 757 27 191 1.652 0 2.426 | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Second Property | - | Notti Halboi Dilve / Halboi Island Dilve | | | | | | | | | | | | | _ | |
| North Harbor Drive / Wreshpt Lane | | | | | | | | | | | | | | | | |
| Besteround | _ | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| North Harbor Drive Rental Car Road Mappt 70 0 56 10 0 14 18 1539 87 147 3082 19 54.95 | 5 | North Harbor Drive / Willship Lane | | | | | | | | | | | | | | |
| North Harbor (Internal Car Road Algort 70 0 58 10 0 14 15 1246 87 147 1.489 93 31.147 | | | | | | | | | | | | | | | | |
| Resignant | | North Horton Drive / Bootel Occ Bood | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | 0 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheraten Harbor Island Drive Embaryound 1,6 2 0 0 0 1,0 14 99 0,0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Basisgorium 15 62 0 0 194 99 85 6 27 0 0 0 486 | 7 | Charatan / Harbar Island Drive | | | | | | | | | | | | | | |
| 8 Employee Lot / Harbor Island Drive Airport | ′ | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bebeground | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | E | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background | | 0 | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Total 0 0 0 23 0 4 6056 1,308 0 0 0 2,188 44 4,072 | 9 | Sassarras Street / Pacific Highway | | | | | | | | | | | | | | |
| 10 Laurel Street / North Harbor Drive Background 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background | I 4. | Lawrel Obsert (N. W. C. C. | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Alignor 0 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | _ | |
| Hawthorn Street / North Harbor Drive Anjort 0 264 0 0 0 828 0 0 0 0 0 12 0 7770 1875 | | | | | | | | | | | | | | | | |
| Reciground O 771 O O 422 O O O O 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Crape Street / North Harbor Drive August 0. 264 11. 561 280 0. 0 0 0 0 0 0 1,175 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Apport A | | | | | | | | | | | | | | | | |
| Background Color | I | | | | | | | | | | | | | | | |
| Total 46 423 313 94 315 514 80 603 1 48 766 59 3,028 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Algorit | | | Background | | | | | | | | | 0 | | | | |
| Background 46 395 114 90 275 304 12 215 1 45 315 53 1,835 | | | Total | 46 | 423 | | 94 | 315 | 414 | 108 | 603 | 1 | 48 | | 59 | 3,028 |
| Hawthorn Street / Pacific Highway Alignort 144 272 0 0 213 74 0 0 0 294 2/172 107 3/276 | 13 | Laurel Street / Pacific Highway | Airport | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Figure F | | | | 46 | | 114 | 90 | 275 | 304 | | 215 | | 45 | 315 | 53 | 1,835 |
| Background | | | | | 272 | | | | | | | | | | 107 | 3,276 |
| Background 0, 208 0, 0 183 622 0, 0 0, 0 294 1,546 0, 86 2,380 | 14 | Hawthorn Street / Pacific Highway | Airport | 144 | 64 | 0 | 0 | 30 | 12 | 0 | 0 | 0 | 0 | 626 | 11 | 887 |
| Total | L_ | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| Background O Sof 195 191 1,030 O 75 510 O O O 0 2,502 | 15 | Grape Street / Pacific Highway | | 0 | | | | 30 | 0 | | 507 | 54 | 0 | 0 | 0 | 799 |
| Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Airport Color Co | | | | | | | | | | | | | | | _ | |
| Background O | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Background 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | _ | |
| Background | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Airport O | | | | | | | | | | | | | | | | |
| Background December Color Colo | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Part | ~ | T.Ep. T. T. T. Marior Board and | | | | | | _ | | | | | | | | |
| Paper | | | | | | | | | | | | | | | | |
| Background 121 159 136 0 0 0 38 387 606 0 0 0 1,447 | 19 | Grape Street / I-5 Southbound On-Ramp | | | | | | | | | | | | | | |
| Alignort Color C | .~ | 2.apo cassa. i o contribuna on riamp | | | | | | | | | | | | | | |
| Alimont Alim | | | | | | | | | | | | | | | | |
| Background 52 49 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northhound Off-Roma | | | | | | | | | | | | | | |
| Total 102 111 18 0 0 0 515 331 79 1 251 219 1,627 | 20 | памиют опест попирочно он-катр | | | | | | | | | | | | | | |
| Airport 59 5 0 0 0 304 36 79 1 46 0 530 | — | | | | | | | | | | | | | | | |
| Background 43 106 18 0 0 0 211 295 0 0 205 219 1,097 | 24 | Laural Street / India Street | | | | | | | | | | | | | | |
| Total O O O O O O O O O | 21 | Laurer Street / Iliula Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | - | | | | | | | | | | | | | | | |
| Background O O O O C74 C312 T23 O 36 C9 C9 C9 C9 C9 C9 C9 C | 22 | Saccafrae Street / Kottner Doulovard | | _ | | | | | | | | | | | _ | |
| Sassafras Street / India Street | 44 | Sassanas Sueet / Nettrier Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street | \vdash | | Dackground | | | | 217 | 2,012 | 720 | • | 00 | 20 | 101 | 0 | • | 0,000 |
| Background 120 528 10 0 0 0 86 27 57 0 37 23 888 | 22 | Connefree Chroat / India Charact | | | | | | | | | | | | | | |
| Total 0 0 0 0 226 40 65 0 93 48 177 198 0 847 | 23 | Sassarras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | \vdash | | | | | | | | | | | | | | | |
| Background O O O O C26 40 65 O 39 28 95 149 O 642 | | M | | | | | | | | | | | | | | |
| Total Tota | 24 | wasnington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Airport 13 0 63 0 0 0 1 0 53 117 0 0 247 | — | | | | | | | | | | | | | | | |
| Background 57 11 66 31 7 21 26 0 235 264 166 54 938 | I ! | | | | | | | | | | | | | | | |
| Total 0 315 129 394 467 0 473 221 179 0 0 0 0 2,178 | 25 | Washington Street / Pacific Highway NB-Ramps | | | | | | | | | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 91 25 1 100 0 0 0 17 0 0 0 234 Background 0 224 104 393 367 0 473 221 162 0 0 0 1,944 27 Washington Street / San Diego Avenue Airport 25 66 0 0 673 668 0 0 0 0 206 233 9 2,626 Airport 25 66 0 0 85 0 0 0 0 17 0 1 194 Background 99 647 0 0 588 668 0 0 0 0 189 233 8 2,432 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 140 111 35 146 37 124 536 24 136 551 35 1,895 Airport 0 8 104 0 110 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O 224 104 393 367 O 473 221 162 O O O 1,944 | | I | | | | | | | | | | | | | | |
| Total 124 713 0 0 673 668 0 0 0 206 233 9 2,626 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Airport 25 66 0 0 85 0 0 0 0 17 0 1 194 | | | | | | | | | | | | | | | | |
| Background 99 647 0 0 588 668 0 0 0 189 233 8 2,432 Total 206 154 229 99 146 61 64 182 150 345 168 98 1,902 Airport 0 3 10 0 4 1 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 140 111 35 146 37 124 536 24 136 551 35 1,895 RosecransStreet / Nimitz Boulevard 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | 9 | |
| Background 99 647 0 0 588 668 0 0 0 198 233 8 2,432 | 27 | Washington Street / San Diego Avenue | | 25 | 66 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 17 | 0 | 1 | 194 |
| 28 Rosecrans Street / Pacific Highway Focks of the Rosecrans Street / Nimitz Boulevard Focks of the Rosecrans Street / Pacific Highway Focks of the Rosecrans Focks | | | Background | 99 | 647 | | 0 | | 668 | | 0 | | 189 | | 8 | 2,432 |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 140 111 35 146 37 124 536 24 136 551 35 1,895 RosecransStreet / Nimitz Boulevard Airport 0 88 104 0 110 0 0 0 0 0 0 130 0 0 432 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | 206 | 154 | 229 | 99 | 146 | 61 | 64 | 182 | 150 | 345 | | 98 | |
| Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | | <u> </u> | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 88 104 0 110 0 0 0 0 0 130 0 0 432 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | | |
| Background 20 52 7 35 36 37 124 536 24 6 551 35 1.463 | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | Source: HN | NTB. 2007 | | | | | | | | | | | | | | |

Note:

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-28 2020 Intersection Turning Volumes - PM Peak Hour - No Project Alternative

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|----------|--|-----------------------|-----------|----------|-----------|----------|--------------|------------|------------|--------------|-----------|-----------|--------------|----------|----------------|
| 1110 # | | Total | 0 | 0 | 0 | 585 | 0 | 72 | 45 | 702 | 0 | 20 | 826 | 1,055 | 3,305 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 194 | 0 | 0 | 0 | 35 | 0 | 0 | 40 | 210 | 479 |
| | | Background | 0 | 0 | 0 | 391 | 0 | 72 | 45 | 667 | 0 | 20 | 786 | 845 | 2,826 |
| | | Total | 0 | 0 | 0 | 534 | 0 | 205 | 43 | 1,090 | 0 | 0 | 1,126 | 197 | 3,195 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 82 | 0 | 14 | 9 | 220 | 0 | 0 | 235 | 129 | 689 |
| | | Background | 0 | 0 | 0 | 452 | 0 | 191 | 34 | 870 | 0 | 0 | 891 | 68 | 2,506 |
| | | Total | 7 | 0 | 25 | 24 | 0 | 137 | 72 | 1,979 | 25 | 7 | 1,246 | 0 | 3,522 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 137 | 72 | 230 | 0 | 0 | 227 | 0 | 690 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,749 | 25 | 7 | 1,019 | 0 | 2,832 |
| 4 | North Harbar Drive / Harbar Jaland Drive | Total | 164 | 6 | 347 | 21 | 9 | 107 | 88 | 1,795 | 145 | 482 | 1,387 | 0 | 4,551 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport Background | 12 152 | 6 | 53 294 | 21 0 | 9 | 107 0 | 88 | 145 1,650 | 21 124 | 58 424 | 514 873 | 0 | 1,034 3,517 |
| | | Total | 0 | 0 | 0 | 146 | 0 | 249 | 69 | 2,095 | 0 | 0 | 2,326 | 300 | 5,185 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 146 | 0 | 249 | 69 | 150 | 0 | 0 | 1,028 | 300 | 1,942 |
| | Troid Harbor Birro / Trinomp Edito | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| | | Total | 96 | 0 | 108 | 22 | 0 | 16 | 15 | 3,252 | 96 | 111 | 2,514 | 13 | 6,243 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 96 | 0 | 108 | 22 | 0 | 16 | 15 | 1,307 | 96 | 111 | 1,216 | 13 | 3,000 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| | | Total | 23 | 441 | 0 | 0 | 566 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,204 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 72 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Background | 23 | 369 | 0 | 0 | 478 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,044 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 108 | 0 | 0 | 142 | 1 | 374 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 19 | 0 | 0 | 17 | 1 | 160 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 125 | 0 | 214 |
| | 0 6 0 1/0 1/11 | Total | 72 | 1,037 | 422 | 134 | 1,033 | 9 | 14 | 194 | 100 | 191 | 124 | 51 | 3,381 |
| 9 | Sassafras Street / Pacific Highway | Airport | 72 | 100 | 0 | 0 | 89 | 9 | 14 | 194 | 100 | 0 | 124 | 0 | 702 |
| \vdash | | Background | 0 | 937 | 422 | 134 | 944 | 10 | 1 279 | 2 170 | 0 | 191 | 1 070 | 51 | 2,679 |
| 10 | Laurel Street / North Harbor Drive | Total | 0 | 0 | 0 | 68 0 | 0 | 10 0 | 1,278 | 2,179 | 0 | 0 | 1,879 | 115 | 5,529 |
| ا ۱۰ | Laurer Street / INDITED TRIBUT DITE | Airport Background | 0 | 0 | 0 | 68 | 0 | 10 | 535 743 | 902 1,277 | 0 | 0 | 835 1,044 | 0 115 | 2,272 3,257 |
| \vdash | | Total | 0 | 624 | 0 | 08 | 2,377 | 0 | 0 | 0 | 0 | 183 | 0 | 1,374 | 4,558 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 214 | 0 | 0 | 902 | 0 | 0 | 0 | 0 | 14 | 0 | 621 | 1,751 |
| '' | Hamalom Gasser, Horal Harbot Diffe | Background | 0 | 410 | 0 | 0 | 1,475 | 0 | 0 | 0 | 0 | 169 | 0 | 753 | 2.807 |
| | | Total | 0 | 631 | 246 | 1,276 | 1,160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,313 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 214 | 15 | 604 | 312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,145 |
| | · | Background | 0 | 417 | 231 | 672 | 848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,168 |
| | | Total | 148 | 807 | 205 | 161 | 560 | 437 | 471 | 771 | 55 | 55 | 869 | 75 | 4,614 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 60 | 12 | 8 | 78 | 103 | 106 | 429 | 0 | 6 | 403 | 6 | 1,211 |
| | | Background | 148 | 747 | 193 | 153 | 482 | 334 | 365 | 342 | 55 | 49 | 466 | 69 | 3,403 |
| | | Total | 162 | 792 | 0 | 0 | 736 | 73 | 0 | 0 | 0 | 167 | 1,224 | 101 | 3,255 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 116 | 64 | 0 | 0 | 70 | 14 | 0 | 0 | 0 | 0 | 505 | 8 | 777 |
| | | Background | 46 | 728 | 0 | 0 | 666 | 59 | 0 | 0 | 0 | 167 | 719 | 93 | 2,478 |
| | | Total | 0 | 814 | 542 | 314 | 709 | 0 | 71 | 2,038 | 49 | 0 | 0 | 0 | 4,537 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 165 | 0 | 1 | 70 | 0 | 15 | 555 | 49 | 0 | 0 | 0 | 855 |
| | | Background | 0 | 649 | 542 | 313 | 639 | 0 | 56 | 1,483 | 0 | 0 | 0 | 0 | 3,682 |
| 16 | Laural Street / Kattner Paulovard | Total | 0 | 0 | 0 | 530 7 | 1,116 | 933 307 | 0 | 961 449 | 76 0 | 63 12 | 316 108 | 0 | 3,995 |
| 10 | Laurel Street / Kettner Boulevard | Airport Background | 0 | 0 | 0 | 523 | 0 1,116 | 626 | 0 | 512 | 76 | 51 | 208 | 0 | 883 3,112 |
| | | Total | 0 | 0 | 0 | 0 | 755 | 134 | 0 | 0 | 0 | 223 | 1,652 | 0 | 2,764 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 513 | 0 | 526 |
| | Transfer Substitution Dealerard | Background | 0 | 0 | 0 | 0 | 742 | 134 | 0 | 0 | 0 | 223 | 1,139 | 0 | 2,238 |
| | | Total | 0 | 0 | 0 | 332 | 709 | 0 | 0 | 3,556 | 97 | 0 | 0 | 0 | 4,694 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 11 | 1 | 0 | 0 | 547 | 9 | 0 | 0 | 0 | 568 |
| | | Background | 0 | 0 | 0 | 321 | 708 | 0 | 0 | 3,009 | 88 | 0 | 0 | 0 | 4,126 |
| | | Total | 183 | 348 | 340 | 0 | 0 | 0 | 23 | 483 | 2,041 | 0 | 0 | 0 | 3,418 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 554 | 0 | 0 | 0 | 558 |
| | | Background | 183 | 348 | 340 | 0 | 0 | 0 | 23 | 479 | 1,487 | 0 | 0 | 0 | 2,860 |
| | | Total | 42 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,476 | 54 | 1,637 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 0 | 509 |
| | | Background | 42 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 967 | 54 | 1,128 |
| ا ہے ا | Laural Observativity Co | Total | 125 | 297 | 85 | 0 | 0 | 0 | 700 | 478 | 83 | 0 | 312 | 301 | 2,381 |
| 21 | Laurel Street / India Street | Airport | 82 | 12 | 1 | 0 | 0 | 0 | 331 | 43 | 83 | 0 | 38 | 0 | 590 |
| \vdash | | Background | 43 | 285 | 84 | 0 | 0 | 0 | 369 | 435 | 0 | 0 | 274 | 301 | 1,791 |
| 22 | Sassafras Street / Kettner Boulevard | Total | 0 | 0 | 0 | 452 0 | 3,953 314 | 592 44 | 0 | 246 70 | 119 71 | 96 0 | 106 45 | 0 | 5,564 544 |
| 44 | Gassanas Gueet/ Nettilei Duulevaru | Airport | | 0 | 0 | | | | 0 | | | | | 0 | |
| | | Total Total | 180 | 1,359 | 30 | 452 0 | 3,639 | 548 0 | 336 | 176 68 | 48 124 | 96 | 16 | 19 | 5,020 2,132 |
| 23 | Sassafras Street / India Street | Airport | 62 | 343 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 0 | 501 |
| ~ | ad on our maid on our | Background | 118 | 1,016 | 30 | 0 | 0 | 0 | 240 | 68 | 124 | 0 | 16 | 19 | 1,631 |
| | | Total | 0 | 0 | 0 | 596 | 60 | 13 | 0 | 262 | 63 | 236 | 125 | 0 | 1,355 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 49 | 19 | 66 | 85 | 0 | 220 |
| | 1 | Background | 0 | 0 | 0 | 596 | 60 | 12 | 0 | 213 | 44 | 170 | 40 | 0 | 1,135 |
| | | Total | 47 | 25 | 211 | 67 | 65 | 8 | 65 | 16 | 707 | 406 | 240 | 68 | 1,925 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 24 | 0 | 75 | 0 | 0 | 0 | 1 | 0 | 49 | 128 | 0 | 0 | 277 |
| | | Background | 23 | 25 | 136 | 67 | 65 | 8 | 64 | 16 | 658 | 278 | 240 | 68 | 1,648 |
| | | Total | 0 | 768 | 189 | 422 | 478 | 0 | 742 | 443 | 215 | 0 | 0 | 0 | 3,257 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 101 | 23 | 1 | 99 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 253 |
| | | Background | 0 | 667 | 166 | 421 | 379 | 0 | 742 | 443 | 186 | 0 | 0 | 0 | 3,004 |
| | | Total | 237 | 1,414 | 0 | 0 | 714 | 609 | 0 | 0 | 0 | 222 | 315 | 20 | 3,531 |
| 27 | Washington Street / San Diego Avenue | Airport | 23 | 78 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 29 | 0 | 1 | 202 |
| | | Background | 214 | 1,336 | 0 | 0 | 643 | 609 | 0 | 0 | 0 | 193 | 315 | 19 | 3,329 |
| 20 | Pagagrans Street / Basif- I II-h | Total | 363 | 297 | 660 | 120 | 139 | 68 | 118 | 482 | 178 | 283 | 348 | 147 | 3,203 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 294 | 12 648 | 0 120 | 3 136 | 67 | 117 | 2 480 | 0 178 | 11 272 | 2 346 | 0 147 | 35 |
| \vdash | | Background Total | 363 22 | 294 | 138 | 28 | 120 | 28 | 278 | 480 680 | 178 27 | 183 | 566 | 46 | 3,168 2,357 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 96 | 114 | 0 | 89 | 0 | 0 | 0 | 0 | 105 | 0 | 0 | 404 |
| | 1.00001a1100t100t7 Nillilla Dudievalu | Background | 22 | 145 | 24 | 28 | 31 | 28 | 278 | 680 | 27 | 78 | 566 | 46 | 1,953 |
| | | | | | | | | 0 | | | | | | | |

Source: HNTB, 2007

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-29 2025 Intersection Turning Volumes – AM Peak Hour – No Project Alternative

| North Harbor Diver / Histor Island Diver Sparsh Lamiling Head of Part March | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|----------|--|------------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-------|-----|-------|
| Month Harbor Drive / Namite Rout | " | | Total | | | | | | | | | | | | | |
| North Herbor Drive / McCale 181 April Morth Herbor Drive / McCale 181 April Morth Herbor Drive / McCale 181 April Morth Herbor Drive / Repair | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Part | | | | 0 | 0 | 0 | 492 | 0 | 31 | 14 | 520 | 0 | | 851 | 215 | 2,133 |
| Receive | | | Total | 0 | 0 | 0 | 128 | 0 | 40 | 211 | 743 | 0 | 0 | 988 | 570 | 2,680 |
| Second S | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Amount A | | | | | | | _ | | | | | | | | | |
| ## Appert Seage Se | | | | | | | | | | | | | | | | |
| A | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Appendix | | | | | | | | | | | | | | | | |
| Seasofree Recognizer Seasofree Sea | 4 | North Harber Drive / Harber Jaland Drive | | | | | | | | | | | | | | |
| North Herbor Drive / Winning Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Section Algorithm Algori | - | | | | | | | | | | | | | | | |
| Busingman Color | 5 | North Harbor Drive / Winshin Lane | | | | | | | | | | | | | | |
| Norm Herbor Drive / Rental Car Road Appendix Appe | ľ | Notal Harbor Blive / Willomp Earle | | | | | | | | | | | | | | |
| Best | | | | | | | | | | | | | | | | |
| Selection Historic Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Total 13 12 0 0 0 266 99 85 80 27 0 0 0 0 165 156 166 167 167 167 167 167 167 167 167 16 | I - | | | | | | | | | | | | | | | |
| Page | | | | | | | | | | | | | | | | |
| ## Employee Lot / Harbor Island Drive Total 0 0 0 0 0 0 38 82 97 0 0 0 77 1 78 78 ## Alport of 0 0 0 0 0 0 0 0 0 | 7 | Sheraton / Harbor Island Drive | | 0 | 59 | 0 | 0 | | | | 0 | 0 | 0 | 0 | 0 | 158 |
| Benderground Appendix Appen | | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| Besignound 0 0 0 0 0 0 0 0 0 | | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 97 | 0 | 0 | 71 | 1 | 289 |
| 9 Sassafras Street / Pacific Highway Apport 60 80 80 77 67 67 67 78 67 40 0 81 70 0 150 0 | 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 17 | 0 | 0 | 21 | 1 | 159 |
| Sassafras Street / Pacific Highway Alport 80 89 0 0 115 11 5 75 40 0 151 0 375 | | | Background | | | | | | | | | | | | | |
| Besignound Company | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Apport 0 0 0 15 0 3 3527 1316 0 0 0 2,388 44 4,195 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 1 4 | Laural Otarat (N. W. C. C. | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Amport 0, 274 0, 0 0 0 1377 0 2,689 1,933 12 12 12 13 14 14 15 15 15 15 15 15 | 10 | Laurei Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 274 0 0 884 0 0 0 0 15 0 000 153 | — | | | | | | | | | | | | | | | |
| Packer P | 14 | Houthorn Stroot / North Harbor Drive | | | | | | | | | | | | | | |
| Total Caripe Street North Harbor Drive Apport 0 274 13 584 294 0 0 0 0 0 0 0 0 0 | 17 | nawthorn Sueet / North Harbor Drive | | | | | | | | | | | | | | |
| Airport Color Co | \vdash | | | | | | | | | | | | | | | |
| Background D 9 99 410 280 D 0 0 0 0 0 0 0 0 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total | | Grape Gracer Herar Harber Brite | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 50 397 123 94 288 318 8 143 1 44 310 82 1828 318 8 143 1 44 310 82 1828 318 318 8 143 31 44 310 82 1828 318 3 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | 149 | 70 | 0 | | 33 | | | 0 | 0 | | | | |
| Airport Seakground Airport A | | | Background | 0 | 226 | 0 | 0 | 198 | 67 | 0 | 0 | 0 | 336 | 1,768 | 110 | |
| Beckground O 530 207 208 1,121 0 78 532 0 0 0 0 0 2,676 | | | Total | | | 207 | 208 | 1,153 | 0 | | | | | 0 | 0 | 3,511 |
| Care Free Kettner Boulevard Airport 0 0 0 38 511 783 0 728 42 44 271 0 2,762 | 15 | Grape Street / Pacific Highway | Airport | | | | | | | | | | | | | |
| Aliport O | | | | | | | | | | | | | | | | |
| Background 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | 16 | Laurei Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background Sackground Sac | 17 | Hawthern Street / Kettner Paulovard | | | | | | | | | | | | | | |
| Total | 17 | nawinom Street / Ketther Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 0 6 1 0 0 0 533 5 0 0 0 0 535 | - | | | | | | | | | | | | | | | |
| Background O O O 122 622 O O 1,090 98 O O O O 1,022 | 18 | Grane Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 126 166 142 0 0 0 0 3 39 403 1,152 0 0 0 0 2,028 | | Orașe Greet / Netrici Boulevaru | | | | | | | | | | | | | | |
| Separate | | | | | | | | | | | | | | | | |
| Background 126 166 142 0 0 0 39 400 626 0 0 0 1,499 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Total Tota | | , | | | | | | | | | | | | | | |
| Background 55 53 0 0 0 0 0 0 0 0 0 | | | | 714 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1,738 | 69 | 2,574 |
| Background 55 53 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport G5 7 0 0 0 0 213 297 0 0 0 207 221 1,113 | | | | | | | | 0 | 0 | | | | | | | |
| Background 45 111 19 0 0 0 213 297 0 0 207 221 1,113 | | | Total | | | | | | | | | | | | 221 | |
| Total 0 0 0 243 2,453 691 0 65 57 139 107 0 3,755 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background Dackground Dac | | Connection Street / Matter - Devilarian | | | | | | | | | | | | | | |
| Sassafras Street / India Street India Street Airport Airport Total 195 846 10 0 0 0 125 28 58 0 40 26 1,328 | 22 | Sassarras Street / Kettner Boulevard | | | | | | | | _ | | | | | _ | |
| Airport 76 324 0 0 0 0 37 0 0 0 0 0 437 | — | | | | | | | | | | | | | | | |
| Background 119 522 10 0 0 0 88 28 58 0 40 26 891 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Total O O O O O O O O O | 23 | Gassan as Gueet / mula Sueet | | | | | | | | | | | | | | |
| Airport | \vdash | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 24 | Washington Street / Pacific Highway SR-Ramps | | | | | | | | | | | | | | |
| Total 44 5 98 31 7 22 29 0 314 389 165 54 1,158 Airport 16 0 66 0 0 0 0 1 0 63 127 0 0 273 Background 28 5 32 31 7 22 28 0 251 262 165 54 885 Washington Street / Hancock Street Washington Street / Hancock Street Washington Street / Hancock Street Washington Street / Pacific Highway NB-Ramps (1) Background 0 322 134 388 488 0 531 248 202 0 0 0 2293 Background 0 223 104 387 361 0 531 248 182 0 0 0 225 Background 0 223 104 387 361 0 531 248 182 0 0 0 0 2257 Background 128 706 0 0 700 693 0 0 0 0 20 20 0 0 0 2,036 Airport 30 69 0 0 89 0 0 0 0 0 202 225 9 2,663 Background 98 637 0 0 611 693 0 0 0 182 225 8 2,454 Background 98 637 0 0 611 693 0 0 0 182 225 8 2,454 Background 209 156 233 100 148 62 65 186 152 348 169 98 1,926 Airport 0 3 10 0 4 1 1 2 0 14 2 0 37 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 Rosecrans Street / Nimitz Boulevard Rosecrans Street / Nimitz Boulevard Potal 21 146 116 9 124 10 121 524 23 141 554 35 1,824 Airport 0 92 109 114 0 0 0 0 0 135 0 0 450 Background 21 54 7 9 10 10 10 121 524 23 6 554 35 1,374 | | gto 5.550.7. Solid Highway Ob Hallips | | | | | | | | | | | | | | |
| Airport 16 0 66 0 0 0 1 0 63 127 0 0 0 273 | | | | | | | | | | | | | | | | |
| Background 28 5 32 31 7 22 28 0 251 262 165 54 885 Total 0 322 134 388 468 0 531 248 202 0 0 0 0 257 Airport 0 99 30 1 107 0 0 0 20 20 0 0 0 257 Background 0 223 104 387 361 0 531 248 182 0 0 0 257 Background 0 223 104 387 361 0 531 248 182 0 0 0 203 0 0 0 203 203 104 105 105 105 105 105 105 105 105 105 105 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 322 134 388 488 0 531 248 202 0 0 0 0 2,293 | ~ | 5 | | | | | | | | | | | | | | |
| Airport 0 99 30 1 107 0 0 0 20 0 0 0 257 | | | | | | | | | | | | | | | | |
| Background O 223 104 387 361 O 531 248 182 O O O 2,036 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 128 706 0 0 700 693 0 0 0 202 225 9 2,663 | | | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue Airport 30 69 0 0 89 0 0 0 0 20 0 1 209 Background 98 637 0 0 611 693 0 0 0 182 225 8 2,454 28 Rosecrans Street / Pacific Highway Airport 0 3 100 148 62 65 186 152 348 169 98 1,926 Airport 0 3 10 0 4 1 1 2 0 14 2 0 37 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 29 RosecransStreet / Nimitz Boulevard Airport 0 92 109 0 114 0 0 0 0 0 135 0 0 450 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 30 69 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway For India | 27 | Washington Street / San Diego Avenue | Airport | 30 | 69 | 0 | 0 | 89 | 0 | | | 0 | 20 | 0 | 1 | 209 |
| 28 Rosecrans Street / Pacific Highway | lder | | | | | | | | | | | | | | | |
| Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 Total 21 146 116 9 124 10 121 524 23 141 554 35 1,824 Airport 0 92 109 0 114 0 0 0 0 0 135 0 0 450 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 92 109 0 114 0 0 0 0 135 0 0 450 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | \vdash | | | | | | | | | | | | | | | |
| Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | December Office (AM) 11 December 1 | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | O | ITD 0007 | Background | 21 | 54 | / | Э | 10 | 10 | 121 | 524 | 23 | б | 554 | ახ | 1,3/4 |

Source: HNTB, 2007

Source: HN I B, 2007
Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-30 2025 Intersection Turning Volumes – PM Peak Hour – No Project Alternative

| | | | | | | _ | | _ | | | | | | | |
|------------|--|------------|-----|-------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| | | Total | 0 | 0 | 0 | 616 | 0 | 76 | 47 | 736 | 0 | 22 | 876 | 1,109 | 3,482 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 202 | 0 | 0 | 0 | 37 | 0 | 0 | 42 | 218 | 499 |
| | | Background | 0 | 0 | 0 | 414 | 0 | 76 | 47 | 699 | 0 | 22 | 834 | 891 | 2,983 |
| | | Total | Ö | Ö | 0 | 550 | 0 | 211 | 44 | 1,082 | 0 | 0 | 1,192 | 202 | 3,281 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 83 | 0 | | 9 | 230 | 0 | 0 | 245 | 132 | 713 |
| | NOTELL LIGIDOL DILVE / MICCALL SE | | | 0 | 0 | 467 | 0 | 14 | | | 0 | 0 | 947 | 70 | |
| | | Background | 0 | | | | | 197 | 35 | 852 | | | | | 2,568 |
| _ | | Total | 7 | 0 | 25 | 24 | 0 | 145 | 77 | 1,995 | 27 | 7 | 1,312 | 0 | 3,619 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 145 | 77 | 236 | 0 | 0 | 232 | 0 | 714 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,759 | 27 | 7 | 1,080 | 0 | 2,905 |
| | | Total | 165 | 6 | 348 | 21 | 10 | 111 | 91 | 1,807 | 144 | 513 | 1,479 | 0 | 4,695 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 6 | 54 | 21 | 10 | 111 | 91 | 147 | 21 | 58 | 544 | 0 | 1,076 |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,660 | 123 | 455 | 935 | 0 | 3,619 |
| | | Total | 0 | 0 | 0 | 145 | 0 | 258 | 69 | 2,107 | 0 | 0 | 2,469 | 308 | 5,356 |
| 5 | North Harbor Drive / Winship Lane | | | 0 | | | | | | | | | | | |
| 5 | North Harbor Drive / Willship Lane | Airport | 0 | | 0 | 145 | 0 | 258 | 69 | 153 | 0 | 0 | 1,079 | 308 | 2,012 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,954 | 0 | 0 | 1,390 | 0 | 3,344 |
| | | Total | 101 | 0 | 113 | 22 | 0 | 16 | 15 | 3,315 | 101 | 116 | 2,660 | 14 | 6,473 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 101 | 0 | 113 | 22 | 0 | 16 | 15 | 1,361 | 101 | 116 | 1,270 | 14 | 3,129 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,954 | 0 | 0 | 1,390 | 0 | 3,344 |
| | | Total | 23 | 442 | 0 | 0 | 598 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,237 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 73 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 162 |
| | | Background | 23 | 369 | 0 | 0 | 509 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,075 |
| | | | | | | | | | | | | | | | |
| | E | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 106 | 0 | 0 | 139 | 1 | 369 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 20 | 0 | 0 | 18 | 1 | 162 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 75 | 1,101 | 448 | 151 | 1,158 | 9 | 15 | 202 | 103 | 219 | 130 | 58 | 3,669 |
| 9 | Sassafras Street / Pacific Highway | Airport | 75 | 107 | 0 | 0 | 96 | 9 | 15 | 202 | 103 | 0 | 130 | 0 | 737 |
| | ş ; | Background | 0 | 994 | 448 | 151 | 1,062 | 0 | 0 | 0 | 0 | 219 | 0 | 58 | 2,932 |
| | | Total | 0 | 0 | 0 | 45 | 0 | 7 | 1,260 | 2,142 | 0 | 0 | 1,967 | 121 | 5,542 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 559 | 937 | 0 | 0 | 870 | 0 | 2,366 |
| 10 | Laurer Street / North Harbor Drive | | | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 45 | 0 | 7 | 701 | 1,205 | 0 | 0 | 1,097 | 121 | 3,176 |
| | | Total | 0 | 656 | 0 | 0 | 2,485 | 0 | 0 | 0 | 0 | 193 | 0 | 1,430 | 4,764 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 223 | 0 | 0 | 937 | 0 | 0 | 0 | 0 | 17 | 0 | 648 | 1,825 |
| | | Background | 0 | 433 | 0 | 0 | 1,548 | 0 | 0 | 0 | 0 | 176 | 0 | 782 | 2,939 |
| | | Total | 0 | 662 | 261 | 1,338 | 1,223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,484 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 223 | 18 | 628 | 327 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,196 |
| | | Background | 0 | 439 | 243 | 710 | 896 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,288 |
| | | | | 877 | 225 | 170 | | 457 | 353 | 676 | 36 | 56 | 881 | 75 | |
| 40 | Laurel Oterat / Davida History | Total | 160 | | | | 590 | | | | | | | | 4,556 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 65 | 15 | 9 | 84 | 107 | 110 | 449 | 0 | 8 | 423 | 7 | 1,277 |
| | | Background | 160 | 812 | 210 | 161 | 506 | 350 | 243 | 227 | 36 | 48 | 458 | 68 | 3,279 |
| | | Total | 171 | 859 | 0 | 0 | 796 | 80 | 0 | 0 | 0 | 191 | 1,350 | 116 | 3,563 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 121 | 70 | 0 | 0 | 75 | 17 | 0 | 0 | 0 | 0 | 527 | 9 | 819 |
| | , | Background | 50 | 789 | 0 | 0 | 721 | 63 | 0 | 0 | 0 | 191 | 823 | 107 | 2,744 |
| | | Total | 0 | 861 | 574 | 342 | 769 | 0 | 77 | 2,123 | 51 | 0 | 0 | 0 | 4,797 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 174 | 0 | 1 | 74 | 0 | 18 | 577 | 51 | 0 | 0 | 0 | 895 |
| 10 | Grape Gueet / Facilic Highway | | | | | | | | | | | | | | |
| | | Background | 0 | 687 | 574 | 341 | 695 | 0 | 59 | 1,546 | 0 | 0 | 0 | 0 | 3,902 |
| | | Total | 0 | 0 | 0 | 457 | 956 | 856 | 0 | 975 | 74 | 66 | 326 | 0 | 3,710 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 9 | 0 | 320 | 0 | 472 | 0 | 15 | 117 | 0 | 933 |
| | | Background | 0 | 0 | 0 | 448 | 956 | 536 | 0 | 503 | 74 | 51 | 209 | 0 | 2,777 |
| | | Total | 0 | 0 | 0 | 0 | 631 | 111 | 0 | 0 | 0 | 238 | 1,751 | 0 | 2,731 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 536 | 0 | 551 |
| | | Background | 0 | 0 | 0 | 0 | 616 | 111 | 0 | 0 | 0 | 238 | 1,215 | 0 | 2,180 |
| | | Total | 0 | 0 | 0 | 312 | 657 | 0 | 0 | 3,623 | 99 | 0 | 0 | 0 | 4,691 |
| 18 | Grapo Stroot / Kattnar Baulayard | | | 0 | | 14 | 1 | 0 | | | 9 | | 0 | 0 | |
| 10 | Grape Street / Kettner Boulevard | Airport | 0 | | 0 | | | | 0 | 568 | | 0 | | | 592 |
| | | Background | 0 | 0 | 0 | 298 | 656 | 0 | 0 | 3,055 | 90 | 0 | 0 | 0 | 4,099 |
| | | Total | 190 | 363 | 355 | 0 | 0 | 0 | 24 | 499 | 2,114 | 0 | 0 | 0 | 3,545 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 578 | 0 | 0 | 0 | 582 |
| | | Background | 190 | 363 | 355 | 0 | 0 | 0 | 24 | 495 | 1,536 | 0 | 0 | 0 | 2,963 |
| | | Total | 577 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 967 | 53 | 1,667 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 532 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 536 |
| ~ | | | 45 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 963 | 53 | 1,131 |
| \vdash | | Background | | | | | | | | | | | | | |
| 0.4 | Lours Chroat / India Observe | Total | 137 | 313 | 89 | 0 | 0 | 0 | 716 | 484 | 92 | 1 | 316 | 304 | 2,452 |
| 21 | Laurel Street / India Street | Airport | 92 | 15 | 1 | 0 | 0 | 0 | 344 | 45 | 92 | 1 | 40 | 0 | 630 |
| | | Background | 45 | 298 | 88 | 0 | 0 | 0 | 372 | 439 | 0 | 0 | 276 | 304 | 1,822 |
| | | Total | 0 | 0 | 0 | 400 | 3,548 | 532 | 0 | 269 | 128 | 98 | 110 | 0 | 5,085 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 329 | 48 | 0 | 74 | 75 | 0 | 48 | 0 | 574 |
| | | Background | 0 | 0 | 0 | 400 | 3,219 | 484 | 0 | 195 | 53 | 98 | 62 | 0 | 4,511 |
| | | Total | 182 | 1,363 | 29 | 0 | 0 | 0 | 345 | 70 | 127 | 0 | 17 | 21 | 2,154 |
| 23 | Sassafras Street / India Street | Airport | 65 | 359 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 524 |
| -5 | Odobali do Oti Get / Iliula Oti Get | | | | 29 | | | | | | | | | | |
| — | | Background | 117 | 1,004 | | 0 | 0 | 0 | 245 | 70 | 127 | 0 | 17 | 21 | 1,630 |
| | | Total | 0 | 0 | 0 | 529 | 53 | 12 | 0 | 266 | 65 | 251 | 144 | 0 | 1,320 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 60 | 22 | 69 | 101 | 0 | 253 |
| | | Background | 0 | 0 | 0 | 529 | 53 | 11 | 0 | 206 | 43 | 182 | 43 | 0 | 1,067 |
| | | Total | 39 | 12 | 144 | 69 | 66 | 8 | 69 | 17 | 760 | 419 | 238 | 67 | 1,908 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 28 | 0 | 78 | 0 | 0 | 0 | 1 | 0 | 59 | 142 | 0 | 0 | 308 |
| _~ | | Background | 11 | 12 | 66 | 69 | 66 | 8 | 68 | 17 | 701 | 277 | 238 | 67 | 1,600 |
| — | | | | | | | | | | | | | | | |
| | Markinston Observices | Total | 0 | 772 | 193 | 415 | 480 | 0 | 833 | 498 | 243 | 0 | 0 | 0 | 3,434 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 109 | 28 | 1 | 108 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 280 |
| | | Background | 0 | 663 | 165 | 414 | 372 | 0 | 833 | 498 | 209 | 0 | 0 | 0 | 3,154 |
| | - | Total | 239 | 1,395 | 0 | 0 | 742 | 633 | 0 | 0 | 0 | 222 | 305 | 20 | 3,556 |
| 27 | Washington Street / San Diego Avenue | Airport | 28 | 82 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 35 | 0 | 2 | 221 |
| " | | Background | 211 | 1,313 | 0 | 0 | 668 | 633 | 0 | 0 | 0 | 187 | 305 | 18 | 3,335 |
| | | | 368 | 302 | 670 | 122 | 142 | 69 | 120 | 490 | 181 | | 350 | 148 | 3,246 |
| 20 | December / Decifical History | Total | | | | | | | | | | 284 | | | |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 4 | 13 | 0 | 3 | 1 | 1 | 2 | 0 | 11 | 2 | 0 | 37 |
| | | Background | 368 | 298 | 657 | 122 | 139 | 68 | 119 | 488 | 181 | 273 | 348 | 148 | 3,209 |
| | | Total | 23 | 250 | 143 | 7 | 100 | 7 | 272 | 665 | 27 | 188 | 569 | 46 | 2,297 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 100 | 118 | 0 | 92 | 0 | 0 | 0 | 0 | 110 | 0 | 0 | 420 |
| | | Background | 23 | 150 | 25 | 7 | 8 | 7 | 272 | 665 | 27 | 78 | 569 | 46 | 1,877 |
| Source: HN | ITR 2007 | , | | | | | | | | 555 | | | | | ,0// |
| Source: HN | NID, 2001 | | | | | | | | | | | | | | |

Source: HNTB, 2007
Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-31 2030 Intersection Turning Volumes – AM Peak Hour – No Project Alternative

| Morth Harbor Chine Morth H | | | | | | | | | | | | | | | | |
|--|------|--|------------|----|-----|-----|-----|-----|------|-----|-------|-----|-----|-------|-----|-------|
| North Harbor Drive / Nortice Bord Agricult Co. | Int# | | | | | | | | | | | | | | | |
| North Harbor Drive / McCan St Morth Harbor Drive / Sperish Landing Morth Harbor Drive / Harbor Landing Morth Harbor Drive / Morth Harbor Drive / Workship Lane Morth Harbor Markor Drive Morth Harbor Drive / Workship Lane Morth Harbor Drive Workship Lane Morth Harbor Markor Drive Morth Harbor Drive Morth | , | | | | | | | | | | | | | | | |
| North Harbor Drive / McCrait St. Find | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Section Procedure Proced | | | | | | | | | | | | | | | | |
| Semigraphic | | | | | | | | | | | | | | | | |
| Nomin Harbor Drive / Sparish Landing | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Amonth Harbor Chive / Sparinh Landing Amonth Separation Amon | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Mooth Harbor Drive / Harbor Island Drive Amort 13 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | _ | |
| April | | | | | | | | | | | | | | | | |
| Seasofrom Seas | | | Total | | | | | | 139 | | | | | | | |
| North Narth Futbor Drive / Winship Lane | 4 | North Harbor Drive / Harbor Island Drive | Airport | | | | | 10 | 139 | 138 | | | | | 0 | 1,217 |
| Security | | Background | | | 113 | | | | | | | | | | |
| Baseground 0 0 0 0 0 0 0 0 0 | | | Total | 0 | 0 | 0 | 102 | 0 | 224 | 85 | 848 | 0 | 0 | 3,030 | 321 | 4,610 |
| North Harbor Drive / Rental Car Road Angort | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 102 | 0 | 224 | 85 | 111 | 0 | 0 | | 321 | 2,083 |
| Apport A | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1,790 | 0 | 2,527 |
| Sherithor / Harbor Island Drive | | | Total | 77 | 0 | 57 | 10 | 0 | 14 | 17 | 2,009 | 100 | 150 | 3,259 | 18 | 5,711 |
| Secretor / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | 77 | 0 | 57 | 10 | 0 | 14 | 17 | 1,272 | 100 | 150 | 1,469 | 18 | 3,184 |
| Shenston / Harbor Island Drive | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1,790 | 0 | 2,527 |
| Section | | | Total | | | | | 279 | 99 | | 6 | | | | 0 | 631 |
| ## Employee Lot / Harbor Island Drive ## Employee Lot / Harbor Island Drive ## Apport | 7 | Sheraton / Harbor Island Drive | | 0 | 60 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| Bendy Part | | | Background | 13 | 62 | 0 | 0 | 179 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 471 |
| Sassafras Street / Pacific Highway | | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 95 | 0 | 0 | 70 | 1 | 286 |
| Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 18 | 0 | 0 | 22 | 1 | 161 |
| Sassafras Street / Pacific Highway | | • • | | 0 | 0 | 0 | 0 | | 0 | | | 0 | 0 | 48 | 0 | |
| Packground Pac | | | | 81 | 493 | 66 | 39 | 508 | 11 | 6 | 77 | 50 | 135 | 154 | 35 | 1.655 |
| Beskground | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 0 17 0 3 479 1,350 0 0 2,355 18 4,252 | |] | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Aliport 0 279 0 0 0 881 0 0 0 0 18 0 814 1,995 | | | | | | | | | | | | | | | | |
| Beadground 0 76 0 0 483 0 0 0 0 0 116 0 2,000 2,095 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total O 288 111 1,007 886 O O O O O O O 0 0 0 | | Tianaloni Gadot, Notal Halboi Dilve | | | | | | | | | | | | | | |
| Apport | | | | | | | | | | | | | | | | |
| Background 0 9 68 412 282 0 0 0 0 0 0 0 0 0 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 42 399 126 71 251 339 109 515 1 83 983 101 3,020 | 12 | Grape Greet / North Harbor Brive | | | | | | | | | | | | | | |
| Airport 0, 66 22 5, 48 15 100 0, 388 0, 4 429 7 1,154 | | | | | | | | | | | | | | | _ | |
| Background 42 333 104 68 203 224 9 157 1 79 554 94 1,896 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurer Street / Facilic Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 152 74 0 0 0 167 57 0 0 0 0 0 662 14 955 | | | | | | | | | | | | | | | | |
| Background O 190 O O 0 0 0 0 0 0 0 | 14 | Howthorn Street / Basifia History | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Aliport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background Color | 45 | Crops Street / Davida I National | | | | | | | | | | | | | | |
| Total | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | _ | |
| Airport | | | | | | | | | | | | | | | | |
| Background | 40 | 1 Ot + (1/. :: 5 | | | | | | | | | | | | | _ | |
| Total | 16 | Laurei Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O | | | | | | | | | | | | | | | | |
| Total 0 | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 7 1 0 0 0 533 5 0 0 0 0 546 | | | | | | | | | | | | | | | _ | |
| Background O | | | | | | | | | | | | | | | | |
| Total 206 272 233 0 0 0 44 457 1,246 0 0 0 0 2,458 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Part | | | | | | | | | | | | | | | | |
| Background 206 272 233 0 0 0 44 453 709 0 0 0 1,917 | | | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 62 59 0 0 0 0 0 0 0 0 0 | | - | Total | | | | | | | | | | | | 95 | |
| Background 62 59 0 0 0 0 0 0 0 0 2,409 95 2,625 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Total 105 98 16 0 0 0 606 515 94 1 338 310 2.083 | | | | 62 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,409 | 95 | 2,625 |
| Airport Continue | | | | | | | | | | | | | | | | |
| Background 37 91 16 0 0 0 340 476 0 0 289 310 1,559 | 21 | Laurel Street / India Street | | | | | | 0 | 0 | | | | | | | |
| Total | | <u> </u> | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 0 344 53 0 26 26 0 53 0 502 | | | | | | | | | | | | | | | | |
| Background Background Color Co | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 235 964 13 0 0 0 110 23 48 0 43 27 1,463 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 78 273 0 0 0 0 388 0 0 0 0 0 389 | | | | | | | | | | | | | | | | |
| Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Total 0 0 0 511 90 147 0 115 57 169 197 0 1,286 | | | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 1 0 76 29 87 69 0 262 | | | | | | | | | | | | | | | | |
| Background December 20 December 3 December 3 December 4 December 3 December 4 De | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | _ | |
| Total 19 | | J | | | | | | | | | | | | | | |
| Airport 19 0 67 0 0 0 1 0 75 137 0 0 0 299 | | | | | | | | | | | | | | | | |
| Background O O C C C C C C C C | 25 | Washington Street / Pacific Highway NR-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 256 106 312 402 0 208 97 95 0 0 0 0 1,476 | | gton ococo, admortighway ND Nampa (1) | | | | | | | | | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 106 36 2 113 0 0 0 24 0 0 0 281 | | | | | | | | | | | | | | | | |
| Background 0 150 70 310 289 0 208 97 71 0 0 0 0 1,195 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | _ | |
| Total 113 581 0 0 677 665 0 0 0 0 277 313 12 2.638 Airport 35 71 0 0 0 91 0 0 0 277 313 12 2.638 Airport 35 71 0 0 0 91 0 0 0 0 24 0 1 222 Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2.416 Total 207 155 229 144 209 88 61 176 143 312 154 88 1.966 Airport 0 3 9 0 3 1 1 3 0 12 4 0 36 Background 207 152 220 144 206 87 60 173 143 300 150 88 1.930 RosecransStreet / Nimitz Boulevard 10 100 164 0 125 0 0 0 0 0 0 0 0 0 514 32 1.332 | 20 | ***asimgton outset / Hancock outset | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 78 510 0 0 586 665 0 0 0 253 313 11 2,416 | 27 | Washington Street / San Diago Avanus | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | 21 | washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 9 0 3 1 1 1 3 0 12 4 0 36 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 29 RosecransStreet / Nimitz Boulevard Airport 0 100 164 0 125 0 0 0 0 0 204 0 0 593 Background 20 53 7 39 40 41 107 461 20 5 5 514 32 1,332 | | | | | | | | | | | | | | | | |
| Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 150 | 20 | Pagagrapa Stroot / Basifia History | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | ∠8 | Rosecians Sueet / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 100 164 0 125 0 0 0 0 0 204 0 0 593 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | | | | | | | | | | | | | | |
| Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | 20 | Decempe Street / Nimite Devicement | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | | | | | | | . /1 | | | | | | | 1 330 |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-32 2030 Intersection Turning Volumes - PM Peak Hour - No Project Alternative

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|----------|--|-------------|-----|-------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| | | Total | 0 | 0 | 0 | 677 | 0 | 75 | 52 | 805 | 0 | 23 | 932 | 1,231 | 3,795 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 266 | 0 | 0 | 0 | 38 | 0 | 0 | 43 | 287 | 634 |
| | | Background | 0 | 0 | 0 | 411 | 0 | 75 | 52 | 767 | 0 | 23 | 889 | 944 | 3,161 |
| | | Total | 0 | 0 | 0 | 561 | 0 | 221 | 48 | 1,254 | 0 | 0 | 1,282 | 203 | 3,569 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 80 | 0 | 18 | 12 | 293 | 0 | 0 | 311 | 131 | 845 |
| - | | Background | 0 | 0 | 0 | 481 | 0 | 203 | 36 | 961 | 0 | 0 | 971 | 72 | 2,724 |
| | | | 7 | 0 | 25 | 24 | 0 | 167 | 100 | 2,166 | 28 | 7 | 1,384 | | 3,908 |
| | N # # D : /O : I I !! | Total | | | | | | | | | | | | 0 | |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 167 | 100 | 272 | 0 | 0 | 276 | 0 | 839 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,894 | 28 | 7 | 1,108 | 0 | 3,069 |
| | | Total | 167 | 6 | 346 | 21 | 10 | 141 | 116 | 1,941 | 159 | 525 | 1,514 | 0 | 4,946 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 15 | 6 | 52 | 21 | 10 | 141 | 116 | 156 | 24 | 56 | 550 | 0 | 1,147 |
| | | Background | 152 | Ö | 294 | 0 | 0 | 0 | 0 | 1,785 | 135 | 469 | 964 | 0 | 3,799 |
| | | | 0 | 0 | | 139 | 0 | 270 | 74 | 2,234 | | 0 | 2,493 | 307 | |
| _ | | Total | | | 0 | | | | | | 0 | | | | 5,517 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 139 | 0 | 270 | 74 | 155 | 0 | 0 | 1,060 | 307 | 2,005 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| | | Total | 109 | 0 | 110 | 21 | 0 | 17 | 15 | 3,407 | 109 | 113 | 2,674 | 14 | 6,589 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 109 | 0 | 110 | 21 | 0 | 17 | 15 | 1,328 | 109 | 113 | 1,241 | 14 | 3,077 |
| - | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| | | Total | 23 | 442 | 0 | 0 | 623 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,262 |
| _ | Observatory (I leaders Inlead Deiter | | | | | | | | | | | | | | |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 73 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 162 |
| | | Background | 23 | 369 | 0 | 0 | 534 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,100 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 137 | 1 | 365 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 21 | 0 | 0 | 19 | 1 | 164 |
| | , ,, | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 118 | 0 | 201 |
| | | | 77 | 840 | 328 | 105 | | 10 | 15 | 206 | 106 | 110 | 133 | 29 | 2,797 |
| | Connefero Otront / Daniel - Liliahara | Total | | | | | 838 | | | | | | | | |
| 9 | Sassafras Street / Pacific Highway | Airport | 77 | 112 | 0 | 0 | 99 | 10 | 15 | 206 | 106 | 0 | 133 | 0 | 758 |
| | | Background | 0 | 728 | 328 | 105 | 739 | 0 | 0 | 0 | 0 | 110 | 0 | 29 | 2,039 |
| 1 | | Total | 0 | 0 | 0 | 49 | 0 | 7 | 1,233 | 2,205 | 0 | 0 | 2,028 | 126 | 5,648 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 506 | 954 | 0 | 0 | 887 | 0 | 2,347 |
| | | Background | 0 | 0 | 0 | 49 | 0 | 7 | 727 | 1,251 | 0 | 0 | 1,141 | 126 | 3,301 |
| 1 | | | | | | | | 0 | | | 0 | | | | |
| 4.4 | 11 | Total | 0 | 662 | 0 | 0 | 2,572 | | 0 | 0 | | 219 | 0 | 1,544 | 4,997 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 227 | 0 | 0 | 954 | 0 | 0 | 0 | 0 | 20 | 0 | 660 | 1,861 |
| | | Background | 0 | 435 | 0 | 0 | 1,618 | 0 | 0 | 0 | 0 | 199 | 0 | 884 | 3,136 |
| | | Total | 0 | 651 | 256 | 1,353 | 1,236 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,496 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 227 | 21 | 639 | 335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,222 |
| | | Background | 0 | 424 | 235 | 714 | 901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,274 |
| | | | | | | | | | | | | | | | |
| | | Total | 135 | 752 | 192 | 122 | 444 | 354 | 377 | 644 | 40 | 94 | 1,193 | 129 | 4,476 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 71 | 16 | 9 | 89 | 108 | 111 | 395 | 0 | 8 | 373 | 7 | 1,187 |
| | | Background | 135 | 681 | 176 | 113 | 355 | 246 | 266 | 249 | 40 | 86 | 820 | 122 | 3,289 |
| | | Total | 166 | 740 | 0 | 0 | 684 | 73 | 0 | 0 | 0 | 214 | 1,458 | 129 | 3,464 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 124 | 76 | 0 | 0 | 77 | 20 | 0 | 0 | 0 | 0 | 537 | 10 | 844 |
| | Transferr edicer i demo riigima) | Background | 42 | 664 | 0 | 0 | 607 | 53 | 0 | 0 | 0 | 214 | 921 | 119 | 2,620 |
| | | | | | | | | | | | | | | | |
| 4-5 | 0 0: 1/5 :5 15 1 | Total | 0 | 792 | 512 | 290 | 667 | 0 | 84 | 2,243 | 52 | 0 | 0 | 0 | 4,640 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 179 | 0 | 1 | 77 | 0 | 21 | 587 | 52 | 0 | 0 | 0 | 917 |
| | | Background | 0 | 613 | 512 | 289 | 590 | 0 | 63 | 1,656 | 0 | 0 | 0 | 0 | 3,723 |
| | | Total | 0 | 0 | 0 | 421 | 877 | 759 | 0 | 1,321 | 133 | 98 | 456 | 0 | 4,065 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 10 | 0 | 267 | 0 | 420 | 0 | 16 | 121 | 0 | 834 |
| | | Background | 0 | 0 | 0 | 411 | 877 | 492 | 0 | 901 | 133 | 82 | 335 | 0 | 3,231 |
| | | | | 0 | | | | | 0 | | | | | | |
| 4-7 | | Total | 0 | | 0 | 0 | 656 | 115 | | 0 | 0 | 266 | 1,906 | 0 | 2,943 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 547 | 0 | 563 |
| | | Background | 0 | 0 | 0 | 0 | 640 | 115 | 0 | 0 | 0 | 266 | 1,359 | 0 | 2,380 |
| | | Total | 0 | 0 | 0 | 337 | 711 | 0 | 0 | 3,791 | 103 | 0 | 0 | 0 | 4,942 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 15 | 2 | 0 | 0 | 578 | 9 | 0 | 0 | 0 | 604 |
| - | | Background | 0 | 0 | 0 | 322 | 709 | 0 | 0 | 3,213 | 94 | 0 | 0 | 0 | 4,338 |
| | | Total | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 564 | 2,327 | 0 | 0 | 0 | 4,402 |
| 40 | Constant (1.5 Countries and Co. Donne (4) | | | | | 0 | | | | | | | 0 | | |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | | 0 | 0 | 0 | 4 | 589 | 0 | | 0 | 593 |
| | | Background | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 560 | 1,738 | 0 | 0 | 0 | 3,809 |
| 1 | | Total | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,881 | 74 | 2,083 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 543 | 0 | 543 |
| 1 | İ | Background | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,338 | 74 | 1,540 |
| | | Total | 132 | 259 | 73 | 0 | 0 | 0 | 884 | 747 | 96 | 1 | 429 | 425 | 3,046 |
| 21 | Laurel Street / India Street | Airport | 95 | 16 | 1 | 0 | 0 | 0 | 288 | 46 | 96 | 1 | 429 | 0 | 585 |
| ۱ ک | Laurer Outeet / Illula Outeet | | | | | | | | | | | | | | |
| l | | Background | 37 | 243 | 72 | 0 | 0 | 0 | 596 | 701 | 0 | 0 | 387 | 425 | 2,461 |
| | l | Total | 0 | 0 | 0 | 399 | 3,493 | 533 | 0 | 191 | 108 | 80 | 100 | 0 | 4,904 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 277 | 49 | 0 | 75 | 76 | 0 | 49 | 0 | 526 |
| 1 | | Background | 0 | 0 | 0 | 399 | 3,216 | 484 | 0 | 116 | 32 | 80 | 51 | 0 | 4,378 |
| | | Total | 222 | 1,632 | 39 | 0 | 0 | 0 | 303 | 57 | 104 | 0 | 18 | 22 | 2,397 |
| 23 | Sassafras Street / India Street | Airport | 67 | 303 | 0 | 0 | 0 | 0 | 102 | 0 | 0 | 0 | 0 | 0 | 472 |
| | | Background | 155 | 1,329 | 39 | 0 | 0 | 0 | 201 | 57 | 104 | 0 | 18 | 22 | 1,925 |
| | | | | | | | | | | | | | | | |
| _ ^. | Washington Oter 118 16 111 1 | Total | 0 | 0 | 0 | 1,347 | 134 | 28 | 0 | 286 | 72 | 217 | 155 | 0 | 2,239 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 | 27 | 71 | 121 | 0 | 290 |
| | | Background | 0 | 0 | 0 | 1,347 | 134 | 27 | 0 | 216 | 45 | 146 | 34 | 0 | 1,949 |
| | | Total | 33 | 0 | 80 | 52 | 51 | 6 | 56 | 14 | 635 | 344 | 160 | 45 | 1,476 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 33 | 0 | 80 | 0 | 0 | 0 | 1 | 0 | 70 | 158 | 0 | 0 | 342 |
| _~ | | Background | 0 | 0 | 0 | 52 | 51 | 6 | 55 | 14 | 565 | 186 | 160 | 45 | 1,134 |
| - | | | | | | | | | | | | | | | |
| 00 | Markington Otto 1111 1 01 1 | Total | 0 | 562 | 144 | 333 | 416 | 0 | 326 | 194 | 122 | 0 | 0 | 0 | 2,097 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 116 | 33 | 1 | 117 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 308 |
| L | | Background | 0 | 446 | 111 | 332 | 299 | 0 | 326 | 194 | 81 | 0 | 0 | 0 | 1,789 |
| | · | Total | 202 | 1,137 | 0 | 0 | 718 | 607 | 0 | 0 | 0 | 300 | 423 | 28 | 3,415 |
| 27 | Washington Street / San Diego Avenue | Airport | 33 | 84 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 41 | 0 | 2 | 237 |
| | g | Background | 169 | 1,053 | 0 | 0 | 641 | 607 | 0 | 0 | 0 | 259 | 423 | 26 | 3,178 |
| | | | | | | | | | | | | | | | |
| 00 | D | Total | 364 | 297 | 660 | 174 | 201 | 98 | 113 | 464 | 171 | 256 | 315 | 133 | 3,246 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 1 | 1 | 4 | 0 | 10 | 3 | 0 | 36 |
| | | Background | 364 | 294 | 649 | 174 | 198 | 97 | 112 | 460 | 171 | 246 | 312 | 133 | 3,210 |
| 1 | | Total | 23 | 255 | 203 | 31 | 136 | 31 | 239 | 586 | 24 | 237 | 528 | 43 | 2,336 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 109 | 178 | 0 | 101 | 0 | 0 | 0 | 0 | 165 | 0 | 0 | 553 |
| 1 | | Background | 23 | 146 | 25 | 31 | 35 | 31 | 239 | 586 | 24 | 72 | 528 | 43 | 1,783 |
| 0 | NTB, 2007 | Daungiouilu | 23 | 140 | 20 | JI | JÜ | JI | 203 | 500 | 4 | 12 | 520 | 70 | 1,100 |
| | | | | | | | | | | | | | | | |

Table D-33

2010-2030 Peak Hour Intersection Operations

| | | | | 2010 | | 2015 | | 2020 | | 2025 | | 2030 |
|------------------------|--------------------------|--------------|-----------------|------|-----------------|------|----------------|------|----------------|------|-----------------|------|
| Intersection Number | Intersection | Peak Hour | Delay (Sec.) | LOS | Delay (Sec.) | LOS | Delay (SEC) | LOS | Delay (SEC) | LOS | Delay (Sec.) | LOS |
| 1 | North Harbor Drive/ | AM | 20.2 | С | 20.4 | С | 20.9 | С | 21.1 | С | 21.7 | С |
| | Nimitz Boulevard | PM | 20.7 | С | 20.4 | С | 20.9 | С | 21.1 | С | 21.6 | С |
| 2 | North Harbor Drive/ | AM | 6.7 | Α | 7.2 | Α | 7.4 | Α | 7.6 | Α | 7.6 | Α |
| | McCain Road | PM | 9.1 | Α | 9.9 | Α | 10.2 | В | 10.3 | В | 10.3 | В |
| 3 | North Harbor Drive/ | AM | 10.1 | В | 10.9 | В | 11.2 | В | 11.7 | В | 13.1 | В |
| | Spanish Landing | PM | 8.7 | Α | 9.3 | Α | 9.8 | Α | 10.0 | Α | 11.2 | В |
| 4 | North Harbor Drive/ | AM | 20.4 | С | 20.4 | С | 20.9 | С | 20.8 | С | 21.9 | С |
| | Harbor Island Drive | PM | 30.8 | С | 31.4 | С | 32.8 | С | 33.3 | С | 34.9 | С |
| 5 | North Harbor Drive/ | AM | 9.9 | Α | 10.6 | В | 10.8 | В | 10.7 | В | 11.1 | В |
| | Winship Lane | PM | 9.6 | Α | 10.3 | В | 10.4 | В | 10.6 | В | 10.7 | В |
| 6 | North Harbor Drive/ | AM | 6.7 | Α | 7.5 | Α | 8.2 | Α | 8.8 | Α | 9.0 | Α |
| | Rental Car Road | PM | 7.6 | Α | 8.5 | Α | 9.2 | Α | 9.6 | Α | 10.0 | Α |
| 7 | Sheraton | AM | 12.4 | В | 12.3 | В | 12.0 | В | 11.8 | В | 11.6 | В |
| | Harbor Island Drive | PM | 7.6 | Α | 7.4 | Α | 7.2 | Α | 7.0 | Α | 6.9 | Α |
| 8 | Employee Lot | AM | 9.8 | Α | 9.9 | Α | 9.9 | Α | 9.9 | Α | 9.9 | Α |
| | Harbor Island Drive | PM | 10.1 | В | 10.1 | В | 10.2 | В | 10.2 | В | 10.1 | В |
| 9 | Sassafras Street/ | AM | 15.3 | В | 15.4 | В | 15.1 | В | 15.6 | В | 14.0 | В |
| | Pacific Highway | PM | 14.5 | В | 16.6 | В | 16.5 | В | 18.5 | В | 14.1 | В |
| 10 | Laurel Street/ | AM | 9.2 | Α | 10.1 | В | 10.8 | В | 11.3 | В | 10.5 | В |
| | North Harbor Drive | PM | 15.5 | В | 16.3 | В | 18.7 | В | 19.3 | В | 19.4 | В |
| 11 | Hawthorn Street/ | AM | 31.8 | С | 49.6 | D | 112.8 | F | 131.7 | F | 173.0 | F |
| | North Harbor Drive | PM | 23.2 | С | 25.2 | С | 33.7 | С | 40.7 | D | 55.9 | E |
| 12 | Grape Street/ | AM | 8.2 | Α | 8.4 | Α | 8.3 | Α | 8.4 | Α | 8.3 | Α |
| | North Harbor Drive | PM | 10.9 | В | 11.0 | В | 10.7 | В | 11.0 | В | 10.9 | В |
| 13 | Laurel Street/ | AM | 32.1 | С | 33.7 | С | 33.9 | С | 34.4 | С | 33.7 | С |
| | Pacific Highway | PM | 49.0 | D | 62.4 | E | 59.5 | Е | 53.1 | D | 60.4 | E |
| 14 | Hawthorn Street/ | AM | 12.6 | В | 14.3 | В | 15.8 | В | 17.7 | В | 18.9 | В |
| | Pacific Highway | PM | 21.0 | С | 22.0 | С | 22.9 | С | 23.8 | С | 23.3 | С |
| 15 | Grape Street/ | AM | 18.5 | В | 19.0 | В | 19.9 | В | 20.3 | С | 20.2 | С |
| | Pacific Highway | PM | 26.2 | С | 32.8 | С | 53.1 | D | 68.6 | E | 56.5 | E |
| 16 | Laurel Street/ | AM | 18.9 | В | 19.6 | В | 19.8 | В | 19.9 | В | 21.9 | С |
| | Kettner Boulevard | PM | 21.4 | С | 22.9 | С | 25.9 | С | 24.8 | С | 31.9 | С |
| 17 | Hawthorn Street/ | AM | 5.5 | Α | 6.2 | Α | 10.3 | В | 9.6 | Α | 13.0 | В |
| | Kettner Boulevard | PM | 10.9 | В | 11.3 | В | 15.6 | В | 13.9 | В | 14.2 | В |
| 18 | Grape Street/ | AM | 12.4 | В | 13.1 | В | 14.8 | В | 14.2 | В | 14.8 | В |
| | Kettner Boulevard | PM | 16.7 | В | 22.8 | С | 55.3 | Е | 54.0 | D | 77.1 | E |
| 19 | Grape Street/ | AM | 11.1 | В | 8.9 | Α | 11.6 | В | 11.5 | В | 15.1 | В |
| | I-5 Southbound On-Ramp | PM | 28.6 | С | 35.2 | D | 32.9 | С | 38.6 | D | 87.1 | F |
| 20 | Hawthorn Street/ | AM | 11.1 | В | 10.6 | В | 10.8 | В | 19.6 | В | 15.3 | В |
| | I-5 Northbound Off-Ramp | PM | 11.8 | В | 12.0 | В | 12.1 | В | 16.4 | В | 11.0 | В |
| 21 | Laurel Street/ | AM | 18.5 | В | 19.4 | В | 22.6 | С | 22.9 | С | 23.0 | С |
| | India Street | PM | 21.4 | С | 22.9 | С | 22.1 | С | 26.8 | С | 32.4 | С |
| 22 | Sassafras Street/ | AM | 8.3 | Α | 9.2 | Α | 19.4 | В | 11.9 | В | 9.6 | Α |
| | Kettner Boulevard | PM | 11.1 | В | 12.5 | В | 121.5 | F | 82.1 | F | 62.5 | E |
| 23 | Sassafras Street/ | AM | 8.1 | Α | 8.2 | Α | 8.7 | Α | 9.0 | Α | 8.0 | Α |
| | India Street | PM | 13.5 | В | 17.3 | В | 15.3 | В | 15.7 | В | 16.6 | В |
| 24 | Washington Street/ | AM | 12.6 | В | 12.7 | В | 13.0 | В | 12.8 | В | 12.4 | В |
| | Pacific Highway SB-Ramps | PM | 14.9 | В | 15.1 | В | 15.3 | В | 15.5 | В | 17.4 | В |
| 25 | Washington Street/ | AM | 33.5 | С | 46.7 | D | 56.0 | Е | 59.8 | E | 31.1 | С |
| | Pacific Highway NB-Ramps | PM | 67.7 | E | 107.8 | F | 130.2 | F | 156.4 | F | 79.3 | E |
| 26 | Washington Street/ | AM | 27.8 | С | 28.1 | С | 28.7 | С | 28.8 | С | 25.9 | С |
| | Hancock Street | PM | 30.2 | С | 30.8 | С | 32.4 | С | 32.7 | С | 28.0 | С |
| 27 | Washington Street/ | AM | 12.5 | В | 13.1 | В | 12.7 | В | 12.5 | В | 15.0 | В |
| | San Diego Avenue | PM | 13.6 | В | 14.1 | В | 14.1 | В | 14.0 | В | 16.8 | В |
| 28 | Rosecrans Street/ | AM | 36.1 | D | 36.4 | D | 36.1 | D | 36.2 | D | 37.3 | D |
| | Pacific Highway | PM | 39.1 | D | 44.8 | D | 41.3 | D | 41.9 | D | 42.9 | D |
| 29 | RosecransStreet/ | AM | 21.8 | С | 21.8 | С | 24.3 | С | 23.6 | С | 26.8 | С |
| | Nimitz Boulevard | PM | 25.0 | С | 25.3 | С | 26.7 | С | 26.5 | С | 28.9 | С |

Source: HNTB, 2007 LOS = level of service

D.4.3.3 Freeway Segments

Table D-34 summarizes the mainline freeway operations for each analysis year under the No Project Alternative. As shown, all I-5 freeway segments analyzed are projected to exceed Caltrans target of LOS C in 2010 to 2030.

Table D-34 **2010-2030 Freeway Segment Operations (2010-2020)**

| CDIE | Freeway | | | 20 |)10 | | | | | 20 | 15 | | | | | 20 | 20 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|
| 36 1-3 | rieeway | | AM | | | PM | | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,000 | 34.7 | D | 8,600 | 42.7 | Е | 7,200 | 35.8 | Е | 8,400 | 41.8 | Е | 7,000 | 34.8 | D | 9,600 | 48.0 | F |
| I-8 | Old Town Avenue | 7,100 | 35.4 | Е | 7,400 | 37.1 | E | 7,300 | 36.4 | Е | 7,400 | 36.9 | Е | 6,900 | 34.5 | D | 8,900 | 44.6 | E |
| Old Town Avenue | Washington Street | 5,800 | 29.1 | D | 6,200 | 30.7 | D | 6,000 | 29.9 | D | 6,200 | 31.1 | D | 5,200 | 25.7 | С | 6,400 | 31.9 | D |
| Washington Street | Pacific Highway Viaducts | 6,200 | 31.2 | D | 6,500 | 32.4 | D | 6,400 | 32.1 | D | 6,600 | 33.1 | D | 5,700 | 28.5 | D | 7,500 | 37.6 | Е |
| Pacific Highway Viaducts | India Street | 7,200 | 35.8 | Ш | 8,200 | 41.1 | E | 7,300 | 36.7 | E | 8,400 | 41.9 | Ε | 6,200 | 30.9 | D | 8,400 | 41.9 | Е |
| India Street | Hawthorn Street | 7,300 | 36.3 | Ш | 8,400 | 41.9 | E | 7,500 | 37.4 | E | 8,400 | 41.7 | E | 6,500 | 32.5 | D | 8,800 | 44.0 | Е |
| Hawthorn Street | First Avenue | 6,100 | 30.5 | D | 7,500 | 37.4 | E | 6,300 | 31.4 | D | 7,400 | 36.8 | Е | 5,400 | 26.8 | D | 7,600 | 37.9 | E |
| First Avenue | SR 163 | 6,500 | 32.3 | D | 9,300 | 46.5 | F | 6,600 | 33.1 | D | 9,400 | 46.8 | F | 5,800 | 28.8 | D | 9,500 | 47.6 | F |
| SR 163 | SR 94 | 3,700 | 18.4 | С | 5,300 | 26.3 | D | 3,900 | 19.4 | С | 5,400 | 26.7 | D | 3,400 | 17.2 | В | 5,400 | 27.1 | D |
| ND I E | Freeway | | | 20 |)10 | | | | | 20 | 15 | | | | | 20 | 20 | | |
| NB 1-3 | rieeway | | AM | | | PM | | | AM | | | PM | | | AM | | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10.900 | 54.4 | F | 7.700 | 38.4 | Е | 11.400 | 56.7 | F | 7.900 | 39.5 | Е | 10.700 | 53.6 | F | 7.000 | 34.8 | D |
| SR 163 | First Avenue | 8,400 | 41.7 | Е | 7,800 | 39.0 | Е | 8,600 | 42.7 | Е | 7,900 | 39.3 | Е | 8,300 | 41.2 | Е | 7,600 | 37.9 | E |
| First Avenue | Hawthorn Street | 7,000 | 35.0 | D | 6,500 | 32.2 | D | 7,100 | 35.4 | Е | 6,500 | 32.3 | D | 6,600 | 33.1 | D | 5,800 | 29.0 | D |
| Hawthorn Street | India Street | 7,200 | 35.9 | Е | 7,700 | 38.5 | Е | 7,300 | 36.3 | Е | 7,700 | 38.5 | Е | 7,000 | 35.1 | Е | 7,300 | 36.5 | Е |
| India Street | Pacific Highway Viaducts | 7,200 | 35.7 | Е | 7,600 | 37.7 | Е | 7,200 | 36.1 | Е | 7,600 | 37.8 | Е | 6,900 | 34.6 | D | 6,900 | 34.4 | D |
| Pacific Highway Viaducts | Washington Street | 5,300 | 26.4 | D | 6,500 | 32.2 | D | 5,100 | 25.2 | С | 6,100 | 30.6 | D | 4,800 | 24.0 | С | 5,600 | 28.1 | D |
| Washington Street | Old Town Avenue | 6,000 | 29.8 | D | 7,100 | 35.5 | Е | 6,100 | 30.5 | D | 7,200 | 35.7 | Е | 6,000 | 29.9 | D | 7,100 | 35.3 | E |
| Old Town Avenue | I-8 | 5,900 | 29.2 | D | 7,300 | 36.4 | Е | 6,100 | 30.2 | D | 7,400 | 36.8 | Е | 5,800 | 28.8 | D | 6,900 | 34.6 | D |
| I-8 | North of I-8 | 7,400 | 36.7 | E | 7,500 | 37.2 | Е | 7,400 | 37.1 | E | 7,700 | 38.2 | E | 7,400 | 37.1 | E | 7,800 | 39.1 | E |
| L8 F | reeway | | | 20 |)10 | | | | | 20 | 15 | | | | | 20 | 20 | | |
| | cemuy | | AM | | | PM | | | AM | | | PM | | | AM | | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,800 | 29.1 | D | 7,900 | 39.2 | E | 5,900 | 29.4 | D | 7,800 | 38.9 | E | 5,000 | 25.2 | С | 7,600 | 38.0 | E |
| East | I-5 | 7,100 | 35.6 | Е | 7,200 | 36.1 | E | 7,200 | 35.7 | E | 7,600 | 37.8 | Е | 6,700 | 33.5 | D | 7,100 | 35.6 | E |

Source:HNTB, 2007

Notes: vph = vehicles per hour pc/mi/ln = passenger cars per mile per lane LOS = level of service

Table D-34 (continued) **2010-2030 Freeway Segment Operations (2025-2030)**

| CD L E | Eroowov | | | 20 | 25 | | | | | 20 | 30 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|
| SB 1-3 | Freeway | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,100 | 35.6 | Е | 9,500 | 47.2 | F | 7,600 | 38.0 | Е | 9,200 | 45.9 | F |
| I-8 | Old Town Avenue | 7,100 | 35.4 | Е | 8,800 | 44.1 | Е | 7,500 | 37.5 | Е | 8,400 | 42.0 | E |
| Old Town Avenue | Washington Street | 5,300 | 26.5 | D | 6,400 | 32.0 | D | 5,500 | 27.6 | D | 6,400 | 31.7 | D |
| Washington Street | Pacific Highway Viaducts | 6,000 | 29.8 | D | 7,600 | 38.0 | Е | 6,100 | 30.4 | D | 7,000 | 34.8 | D |
| Pacific Highway Viaducts | India Street | 6,400 | 32.2 | D | 8,500 | 42.2 | Е | 6,700 | 33.4 | D | 8,300 | 41.3 | Е |
| India Street | Hawthorn Street | 6,700 | 33.7 | D | 8,900 | 44.5 | Е | 6,900 | 34.5 | D | 8,600 | 42.7 | Е |
| Hawthorn Street | First Avenue | 5,600 | 27.8 | D | 7,800 | 38.7 | Е | 5,600 | 28.0 | D | 7,800 | 38.8 | E |
| First Avenue | SR 163 | 6,000 | 30.1 | D | 9,700 | 48.5 | F | 6,100 | 30.4 | D | 9,800 | 48.9 | F |
| SR 163 | SR 94 | 3,600 | 17.8 | В | 5,600 | 28.0 | D | 3,600 | 18.2 | С | 5,500 | 27.2 | D |
| ND LE | F | | | | | | | | | 20 |)30 | | |
| NB I-2 | Freeway | | AM | | | PM | | | PM | | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10,900 | 54.3 | F | 7,100 | 35.4 | Е | 10,700 | 53.4 | F | 7,500 | 37.2 | E |
| SR 163 | First Avenue | 8,400 | 41.8 | Е | 7,700 | 38.5 | E | 8,100 | 40.3 | E | 7,600 | 38.0 | E |
| First Avenue | Hawthorn Street | 6,500 | 32.6 | D | 5,800 | 29.1 | D | 6,300 | 31.3 | D | 6,100 | 30.6 | D |
| Hawthorn Street | India Street | 6,900 | 34.6 | D | 7,400 | 36.8 | Е | 6,400 | 31.9 | D | 7,900 | 39.5 | E |
| India Street | Pacific Highway Viaducts | 6,800 | 34.2 | D | 7,000 | 34.8 | D | 6,400 | 31.7 | D | 7,200 | 35.8 | E |
| Pacific Highway Viaducts | Washington Street | 4,700 | 23.4 | С | 5,600 | 28.0 | D | 4,400 | 21.8 | С | 5,900 | 29.6 | D |
| Washington Street | Old Town Avenue | 5,900 | 29.3 | D | 7,100 | 35.3 | Е | 5,600 | 27.8 | D | 7,100 | 35.4 | Е |
| Old Town Avenue | I-8 | 5,600 | 28.2 | D | 6,900 | 34.2 | D | 5,300 | 26.5 | D | 7,200 | 35.7 | E |
| I-8 | North of I-8 | 7,500 | 37.2 | Е | 7,800 | 39.1 | Е | 7,500 | 37.4 | Е | 8,600 | 42.9 | Е |
| | | | | | | | | | | 20 |)30 | | |
| I-8 F | reeway | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,100 | 25.3 | С | 7,600 | 37.8 | Е | 4,900 | 24.4 | С | 7,400 | 37.1 | Е |
| East | I-5 | 7,000 | 34.7 | D | 7,200 | 36.1 | Е | 7,300 | 36.2 | Ē | 7,100 | 35.4 | E |

Source:HNTB, 2007

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane LOS = level of service

D.4.3.4 Freeway Ramp Operations

Table D-35 summarizes the freeway ramp operations for each analysis year under the No Project Alternative. As shown, all study freeway ramps were estimated to accommodate a lower traffic volume than their set meter rates and, therefore, would have no adverse traffic impact.

Table D-35

2010-2030 Freeway Ramp Operations – No Project Alternative

| | | | | 2010 | | | | | 2015 | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 799 | 1,992 | 0 | 0 | 0 | 525 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOTTI Satt Diego | PM | 871 | 1,992 | 0 | 0 | 0 | 505 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 763 | 1,992 | 0 | 0 | 0 | 1,039 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIUIA | PM | 824 | 1,992 | 0 | 0 | 0 | 1,113 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 101 | 996 | 0 | 0 | 0 | 119 | 996 | 0 | 0 | 0 |
| 1-5 SB HOITI Kettilei | PM | 178 | 996 | 0 | 0 | 0 | 125 | 996 | 0 | 0 | 0 |
| I-5 SB from | AM | 476 | 1,140 | 0 | 0 | 0 | 481 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 276 | 1,140 | 0 | 0 | 0 | 289 | 1,140 | 0 | 0 | 0 |

| | | | | 2020 | | | | | 2025 | | | | | | | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|-----------------------------------|------------------------------|--------------------|---|--|--|--|--|--|--|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | | | | | | | |
| I-5 NB from San Diego | AM | 760 | 1,992 | 0 | 0 | 0 | 791 | 1,992 | 0 | 0 | 0 | | | | | | |
| 1-5 NB IIOIII Sail Diego | PM | 889 | 1,992 | 0 | 0 | 0 | 670 | 1,992 | 0 | 0 | 0 | | | | | | |
| I-5 NB from India | AM | 865 | 1,992 | 0 | 0 | 0 | 695 | 1,992 | 0 | 0 | 0 | | | | | | |
| 1-5 NB IIOIII IIIUIA | PM | 1,081 | 1,992 | 0 | 0 | 0 | 1,051 | 1,992 | 0 | 0 | 0 | | | | | | |
| I-5 SB from Kettner | AM | 134 | 996 | 0 | 0 | 0 | 133 | 996 | 0 | 0 | 0 | | | | | | |
| 1-5 SB HOIII Kettilei | PM | 231 | 996 | 0 | 0 | 0 | 243 | 996 | 0 | 0 | 0 | | | | | | |
| I-5 SB from | AM | 524 | 1,140 | 0 | 0 | 0 | 570 | 1,140 | 0 | 0 | 0 | | | | | | |
| Washington/Hancock | PM | 919 | 1,140 | 0 | 0 | 0 | 896 | 1,140 | 0 | 0 | 0 | | | | | | |

| | | | | 2030 | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 890 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOTTI Satt Diego | PM | 707 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 1,319 | 1,992 | 0 | 0 | 0 |
| 1-5 ND IIOIII IIIdia | PM | 1,648 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 87 | 996 | 0 | 0 | 0 |
| 1-5 SB HOITI Rettilel | PM | 165 | 996 | 0 | 0 | 0 |
| I-5 SB from Grape | AM | 1,023 | 1,992 | 0 | 0 | 0 |
| 1-5 SB IIOIII Grape | PM | 1,900 | 1,992 | 0 | 0 | 0 |
| I-5 SB from | AM | 594 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 477 | 1,140 | 0 | 0 | 0 |

Source: HNTB, 2007 veh/hr = vehicles per hour

D.4.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis 14 report. Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44% increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32 trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips.

Linscott, Law & Greenspan Engineers March 3, 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.

For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-36 summarizes the railroad crossing delay analysis for each analysis year under the No Project Alternative. As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in 2010, 2015 and 2030. Washington Street railroad crossings exceeded the threshold of VHD in 2020 and 2025. However, due to shifts in regional background traffic described in Section D.2.1.1 *Airport Trip Generation and Background Traffic* total traffic on Washington Street in 2030 decreased causing in the VHD to decrease to a level of insignificance.

Table D-36

2010-2030 Railroad Crossing Operations – No Project Alternative

| | | | Year 2010 | | |
|---------------------------------|------------------|---------------|----------------------|---------|-----------|
| | | | Total gate down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 20,400 | 4.76 | 64 | No |
| Sassafras Street | 75 | 13,500 | 3.44 | 22 | No |
| Palm Street | 75 | 900 | 3.44 | 0 | No |
| Laurel Street | 300 | 25,400 | 0.77 | 1 | No |
| Hawthorn Street | 150 | 18,600 | 0.77 | 10 | No |
| Grape Street | 300 | 28,900 | 0.77 | 18 | No |
| | | | Vaar 2015 | | |
| | | | Year 2015 | | |
| | | | Total gate | | |
| | VHD | ADT | down time | | Exceeds |
| Crossing | Threshold | Volume | per day (hours) | VHD | VHD Limit |
| Crossing Washington Street | 150 | 23,300 | 8.53 | 134 | No |
| Sassafras Street | 150 | 15,700 | 6.13 | 46 | No |
| Palm Street | 75 | 900 | 6.13 | 0 | No |
| Laurel Street | 300 | 29,200 | 0.13 | 1 | No |
| Hawthorn Street | 150 | 20,900 | 0.80 | 13 | No |
| Grape Street | 300 | 31,600 | 0.80 | 22 | No |
| | | ' | | | |
| | | | Year 2020 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,500 | 8.94 | 152 | Yes |
| Sassafras Street | 150 | 16,000 | 6.46 | 50 | No |
| Palm Street | 75 | 300 | 6.46 | 0 | No |
| Laurel Street | 300 | 30,700 | 1.13 | 1 | No |
| Hawthorn Street | 150 | 23,500 | 1.13 | 24 | No |
| Grape Street | 300 | 34,400 | 1.13 | 43 | No |
| | 1 | | Year 2025 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,800 | 9.41 | 164 | Yes |
| Sassafras Street | 150 | 17,400 | 6.79 | 59 | No |
| Palm Street | 75 | 100 | 6.79 | 0 | No |
| Laurel Street | 300 | 31,700 | 1.46 | 0 | No |
| Hawthorn Street | 150 | 24,600 | 1.46 | 31 | No |
| Grape Street | 300 | 35,300 | 1.46 | 58 | No |
| | | | | | |
| | | • | Year 2030 | • | |
| | | | Total gate | | |
| | .,,,,, | ADT | down time | | l |
| 0 : | VHD | ADT | per day | \/I.ID | Exceeds |
| Crossing | Threshold 150 | Volume | (hours) | VHD | VHD Limit |
| \MI-: | | 18,900 | 9.95 | 124 | No |
| Washington Street | | | | | |
| Sassafras Street | 75 | 13,300 | 7.18 | 45 | No |
| Sassafras Street Palm Street | 75 75 | 13,300 100 | 7.18 7.18 | 45 0 | No No |
| Sassafras Street | 75 | 13,300 | 7.18 | 45 | No |

Grape Street Source: HNTB, 2007

VHD = vehicle-hours of delay ADT = average daily traffic

300 36,600

D.4.3.6 Transit

Under the No Project Alternative no existing or planned transit routes would be modified. Therefore, no adverse impacts would occur to transit operations.

D.4.3.7 Parking

The No Project Alternative would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. However, as documented in the AMP facility requirements the demand for terminal area parking spaces (8,400 in 2015 and 10,500 in 2030) will continue to exceed the supply of 4,085 spaces, resulting in a deficit of approximately 4,300 spaces in 2015 and 6,400 in 2030.

D.4.3.8 Terminal Curbside

7,250 linear feet of curbside is required at Terminals 1 and 2 and the Commuter Terminal to accommodate private and commercial vehicle demand in 2015. Currently 6,630 linear feet of curbside is available between all three terminals. Under the No Project Alternative no new curbside would be provided and there would be an airport-wide deficiency of 620 linear feet in 2015.

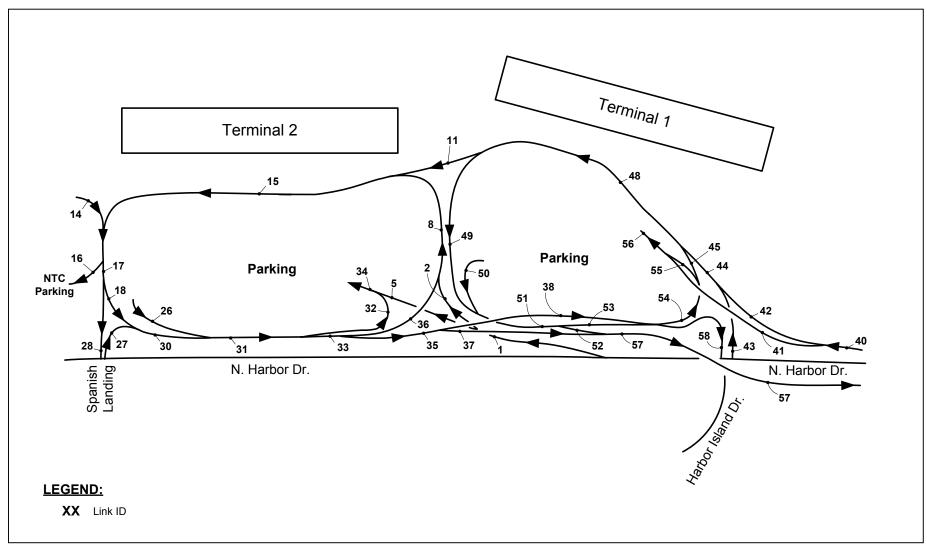
D.4.3.9 On-Airport Traffic Circulation

Table D-37 shows the on-airport roadway peak hour traffic volumes and operation (see **Figure D.4-1**) for each analysis year under the No Project Alternative. As shown, all terminal roadways would operate at acceptable LOS D or better during peak hours under the No Project Alternative.

Volumes and LOS shown represent throughput capacity of the on-Airport roadways but do not represent specific curbside operations.

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT







Appendix D.4-1

On-Airport Roadway Link ID Key Map No Project Alternative

Environmental Impact Report

Table D-37 (continued on next page)

2010-2030 On-Airport Roadway Peak Hour Operations – No Project Alternative

| | I 1 | ĺ | 20 | 10 | | | 20 | 15 | | | | 2020 | |
|--------------|--------|-----------|---------|-----------|-----------|------------|---------|------------|-------------|------------|--------|---------------|--------|
| Link ID | Lanes | AM | LOS | PM | LOS | AM | LOS | PM | LOS | AM | LOS | PM | LOS |
| 1 | 2 | 396 | Α | 326 | Α | 464 | Α | 386 | Α | 487 | В | 407 | Α |
| 2 | 2 | 319 | Α | 272 | Α | 388 | Α | 332 | Α | 411 | Α | 353 | Α |
| 3 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Used | d |
| 4 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Used | d |
| 5 | 2 | 76 | Α | 54 | Α | 76 | Α | 54 | Α | 76 | Α | 53 | Α |
| 6 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Used | b |
| 7 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Used | t |
| 8 | 3 | 407 | Α | 347 | Α | 494 | Α | 422 | Α | 525 | Α | 451 | Α |
| 9 | | | Link No | ot Used | | | Link No | ot Used | | 0 | Α | 0 | Α |
| 10 | | | Link No | ot Used | | | Link No | ot Used | | 0 | Α | 0 | Α |
| 11 | 1 | 185 | Α | 206 | Α | 210 | Α | 234 | Α | 230 | Α | 257 | В |
| 12 | | | | ot Used | | | | ot Used | | | | Link Not Used | |
| 13 | | | | ot Used | | | | ot Used | | | | Link Not Used | |
| 14 | 1 | 79 | Α | 69 | Α | 91 | Α | 79 | Α | 99 | A | 86 | A |
| 15 | 4 | 593 | Α | 553 | Α | 704 | Α | 656 | Α | 755 | Α | 708 | Α |
| 16 | 1 | 12 | Α | 12 | Α | 12 | Α | 12 | Α | 12 | Α | 12 | A |
| 17 | 4 | 660 | Α | 610 | Α | 783 | Α | 723 | Α | 841 | Α | 782 | Α |
| 18 | 2 | 513 | В | 482 | В | 611 | В | 574 | В | 658 | В | 622 | В |
| 19 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 20 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 21 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 22 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 23 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 24 | | | | ot Used | | | | ot Used | | | | ot Used | |
| 25 | | | | ot Used | | | Link No | | | | | ot Used | |
| 26 | 1 | 46 | A | 99 | A | 46 | A | 99 | A | 46 | A | 98 | Α |
| 27 | 2 | 70 | A | 58 | Α | 82 | A | 69 | A | 86 | A | 72 | Α |
| 28 | 3 | 147 | A | 128 | Α | 171 | A | 149 | Α | 183 | Α | 160 | A |
| 29 | | 500 | | ot Used | - | 200 | | ot Used | - | 744 | | Link Not Used | |
| 30 | 2 | 583 | B A | 540 | В | 693 740 | B B | 643 742 | В | 744 790 | В | 694 | В |
| 31 32 | 3 1 | 629 14 | A | 639 10 | A A | 13 | A | 10 | B A | 13 | B A | 792 10 | B A |
| 33 | 3 | 615 | A | 629 | A | 727 | В | 732 | B | 777 | B | 782 | B |
| 34 | 4 | 90 | A | 64 | A | 89 | A | 64 | A | 89 | A | 63 | A |
| 35 | 2 | 527 | В | 554 | В | 621 | В | 642 | В | 663 | В | 685 | B |
| 36 | 1 | 88 | A | 75 | A | 106 | A | 90 | A | 114 | A | 97 | A |
| 37 | 1 | 463 | C | 486 | C | 550 | C | 568 | C | 589 | D | 607 | A |
| 38 | 1 | 64 | A | 69 | A | 71 | A | 74 | A | 75 | A | 78 | A |
| 39 | ' | 04 | | ot Used | A | 7 1 | | ot Used | A | 75 | | Link Not Used | |
| 40 | 2 | 589 | В | 541 | В | 670 | В | 618 | В | 764 | В | 706 | В |
| 41 | 1 | 68 | A | 49 | A | 68 | A | 48 | Ā | 68 | A | 48 | A |
| 42 | 2 | 521 | В | 492 | В | 602 | В | 570 | В | 696 | В | 658 | В |
| 43 | 1 | 84 | A | 70 | A | 96 | A | 80 | A | 111 | A | 93 | A |
| 44 | 3 | 605 | A | 562 | A | 698 | A | 650 | A | 807 | В | 751 | |
| 45 | 1 | 36 | A | 30 | A | 42 | A | 35 | A | 46 | A | 39 | A |
| 46 | | | | ot Used | · · · · · | | Link No | | · · · · · · | | | Link Not Used | |
| 47 | | | | ot Used | | | | ot Used | | | | Link Not Used | |
| 48 | 4 | 641 | Α | 592 | Α | 740 | Α | 685 | Α | 853 | Α | 790 | Α |
| 49 | 2 | 456 | A | 386 | A | 530 | В | 451 | A | 623 | В | 533 | В |
| 50 | 1 | 42 | A | 90 | A | 41 | A | 89 | A | 41 | Ā | 89 | Ā |
| 51 | 3 | 498 | A | 476 | A | 571 | A | 540 | A | 664 | A | 622 | A |
| 52 | 2 | 407 | A | 392 | A | 468 | A | 446 | A | 546 | В | 514 | В |
| 53 | 1 | 91 | A | 84 | A | 103 | A | 95 | A | 118 | A | 108 | A |
| 54 | 1 | 49 | A | 39 | A | 55 | A | 44 | A | 59 | A | 48 | A |
| 55 | 1 | 13 | A | 9 | A | 13 | A | 9 | A | 13 | A | 9 | A |
| 56 | 4 | 81 | A | 58 | A | 81 | A | 57 | A | 81 | A | 57 | A |
| 57 | 2 | 870 | В | 877 | В | 1,018 | В | 1,014 | В | 1,135 | С | 1,122 | С |
| 58 | 2 | 106 | Α | 114 | Α | 119 | Α | 124 | Α | 134 | A | 138 | A |
| Source: HNTR | 2007 | - | | | • | - | | • | • | | | | |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.4-1 for link ID key map.

Table D-37 (continued)

2010-2030 On-Airport Roadway Peak Hour Operations – No Project Alternative

| | | | 20 | 25 | | | 20 | 030 | |
|----------|--------|--------------|-----------------------------|-----------|--------|-----------|---------------|-----------|--------|
| Link ID | Lanes | AM | LOS | PM | LOS | AM | LOS | PM | LOS |
| 1 | 2 | 520 | В | 436 | Α | 512 | В | 430 | Α |
| 2 | 2 | 443 | Α | 381 | Α | 439 | Α | 378 | Α |
| 3 | | | | ot Used | | | | ot Used | |
| 4 | | | | ot Used | | | | ot Used | |
| 5 | 2 | 76 | Α | 54 | Α | 73 | A | 52 | Α |
| 6 | | | | ot Used | | | | ot Used | |
| 7 | | | | ot Used | | | | ot Used | |
| 8 | 3 | 565 | A | 485 | A | 585 | A | 503 | Α |
| 9 | | 0 | A | 0 | A | | | ot Used | |
| 10 11 | 1 | 0 | <u>А</u> В | 0 268 | A B | 244 | B LINK IN | ot Used | В |
| 12 | ı | 240 | | ot Used | ь | 244 | | ot Used | В |
| 13 | | | | ot Used | | | | ot Used | |
| 14 | 1 | 103 | A | 89 | Α | 105 | A | 91 | Α |
| 15 | 4 | 805 | A | 753 | A | 829 | A | 777 | A |
| 16 | 1 | 12 | A | 12 | A | 12 | A | 12 | A |
| 17 | 4 | 897 | A | 830 | A | 922 | A | 856 | A |
| 18 | 2 | 703 | В | 662 | В | 703 | В | 665 | В |
| 19 | _ | 1 | | ot Used | | | | ot Used | |
| 20 | | | | ot Used | | | | ot Used | |
| 21 | | | | ot Used | | | | ot Used | |
| 22 | | | | ot Used | | | | ot Used | |
| 23 | | | | ot Used | | | | ot Used | |
| 24 | | | | ot Used | | | | ot Used | |
| 25 | | | Link No | ot Used | | | Link N | ot Used | |
| 26 | 1 | 46 | Α | 99 | Α | 46 | Α | 99 | Α |
| 27 | 2 | 92 | Α | 77 | Α | 119 | Α | 100 | Α |
| 28 | 3 | 194 | Α | 168 | Α | 219 | Α | 191 | Α |
| 29 | | | Link Not Used Link Not Used | | | | | | |
| 30 | 2 | 795 | С | 739 | В | 822 | С | 765 | В |
| 31 | 3 | 841 | В | 838 | В | 868 | В | 865 | В |
| 32 | 1 | 14 | Α | 10 | Α | 17 | Α | 12 | Α |
| 33 | 3 | 827 | В | 828 | В | 851 | В | 853 | В |
| 34 | 4 | 90 | Α | 64 | Α | 90 | Α | 64 | Α |
| 35 | 2 | 706 | В | 725 | В | 705 | В | 727 | В |
| 36 | 1 | 121 | Α | 104 | Α | 146 | Α | 125 | Α |
| 37 | 1 | 629 | D | 645 | D | 625 | D | 642 | D |
| 38 | 1 | 77 | A | 80 | Α | 80 | A | 85 | Α |
| 39 | | 704 | | ot Used | - | 777 | | ot Used | |
| 40 | 2 | 794 | <u>C</u> | 735 | В | 777 65 | <u>B</u> | 724 | В |
| 41 42 | 1 2 | 68 726 | <u>А</u> В | 49 686 | A B | 65 712 | <u>А</u> В | 46 677 | A B |
| 42 | 1 | 115 | A | 97 | A | 145 | A A | 122 | A |
| 43 | 3 | 841 | A B | 783 | B | 857 | <u>А</u> В | 800 | В |
| 45 | 1 | 48 | A | 41 | A | 49 | A | 42 | A |
| 46 | ı | 70 | | ot Used | _ ^ | 70 | | ot Used | _ ^ |
| 47 | | | | ot Used | | - | | ot Used | |
| 48 | 4 | 889 | A | 824 | Α | 906 | A | 842 | Α |
| 49 | 2 | 649 | В | 556 | В | 662 | В | 568 | В |
| 50 | 1 | 41 | A | 89 | A | 41 | A | 89 | A |
| 51 | 3 | 690 | A | 645 | A | 703 | В | 657 | A |
| 52 | 2 | 568 | В | 534 | В | 550 | <u></u> B | 516 | В |
| 53 | 1 | 122 | A | 112 | A | 153 | A | 140 | A |
| 54 | 1 | 61 | A | 50 | A | 65 | A | 54 | A |
| 55 | 1 | 13 | A | 9 | A | 16 | A | 12 | A |
| 56 | 4 | 81 | A | 58 | A | 81 | A | 58 | A |
| 57 | 2 | 1,197 | C | 1,179 | C | 1,175 | C | 1,159 | C |
| | _ | , | A | , | | , | A | , | |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.4-1 for link ID key map.

D.5 Proposed Project (Preferred Alternative)

The Proposed Project includes the Proposed Airport Land Use Plan and the Proposed Airport Implementation Plan. Both are described in Section 4.1, *Proposed Project (Preferred Alternative)*. The Proposed Airport Land Use Plan designates airfield, terminal, ground transportation, and airport support uses, including a future planning area. In areas designated for future development or in the north area, land uses were chosen to provide a feasible worst case for traffic generation and traffic impact analysis. The type of use chosen does not mean that SDCRAA proposes to develop in this manner or intensity. In the event that a project was proposed in a future planning area, further planning and environmental impact analysis would be required.

Proposed Airport Implementation Plan

The Proposed Airport Implementation Plan is the Airport Master Plan and will be hereinafter referred to in this section (Section D.5) as the "Implementation Plan" unless otherwise indicated. Under the Proposed Airport Implementation Plan two scenarios are examined:

- Proposed Airport Implementation Plan (With Parking Structure) (Section D.5.1)
- Proposed Airport Implementation Plan (Without Parking Structure) (Section D.5.2)

D.5.1 Proposed Airport Implementation Plan (With Parking Structure)

This scenario assumes all components of the Proposed Airport Implementation Plan are constructed as described in the Assumptions below, including a parking structure in front of Terminal 2. The proposed Terminal 2 West roadways and parking facilities are shown in **Figure D.5-1**.

D.5.1.1 Assumptions

- Projects assumed in the Implementation Plan are consistent with the Airport Master Plan and are discussed in the Alternatives section of the EIR. These projects include:
 - Expand existing Terminal 2 West with 10 new aircraft gates.
 - Construct new second-level curb/road and vehicle circulation serving Terminal 2. This will reduce the SAN Park NTC lot by approximately 130 spaces.
 - Construct new five-level parking structure with approximately 5,000 spaces and associated vehicle circulation serving Terminal 2.
 - Relocate and reconfigure SAN Park Pacific Highway with 500 additional parking spaces.
 - o Construct new/replacement general aviation facilities including access in the North Area.
 - o Construct a new access road from Sassafras Street/Pacific Highway intersection providing access to general aviation and parking facilities in the North Area.
- Trip generation associated with development in the North Area is assumed to come from other facilities located within the study area and does not represent new demand generated from the development. As a result these trips would not add demand to freeway segments or ramps.
- The regional trip distribution of airport traffic under the Implementation Plan is assumed to be the same as the No Project Alternative, as discussed in Section D.1.7.

The Implementation Plan would have a different gate distribution from the No Project Alternative. The Implementation Plan would add 10 new gates at Terminal 2 West. This would consequently shift the passenger and traffic distribution among terminals. This is discussed further in the next section (Section D.5.1.2 Trip Generation and Terminal Distribution).

D.5.1.2 Trip Generation and Terminal Distribution

Total Airport trip generation associated with the Implementation Plan is summarized in **Table D-38**. As shown, total airport trip generation would increase from approximately 94,600 ADT in 2010 to 135,000 ADT in 2030. This corresponds to an increase in air passenger forecast of 19.5 million annual passengers

(MAP) in 2010 to 28.2 MAP in 2030. This represents an increase in trip generation of approximately 6,300 ADT or 4.7% from the No Project Alternative in 2030. Trips from most airport modes were estimated to increase relative to origin and destination passenger growth. However, schedule driven modes such as public buses, and airport operated inter-terminal, employee and public parking shuttles were estimated to grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate from 1.86 1.85 to 1.82 in 2010 and 2030, respectively. This has also been demonstrated by a historical downward trend witnessed at SDIA.

Table D-38

2010-2030 Airport Trip Generation – Proposed Airport Implementation Plan
(With Parking Structure)

| | | | Ye | ar | | |
|----------------------------------|--------|--------|-----------------------------|---------|---------|---------|
| Activity | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
| | | | | | | |
| Airport Passenger Activity Level | | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 19.5 | 22.8 | 25.1 | 26.6 | 28.2 |
| Million Annual O&D Passengers | 16.7 | 18.6 | 21.8 | 24.0 | 25.4 | 27.0 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,770 | 66,220 | 70,553 | 74,199 |
| | | | | | | |
| Airport Trip Generation (1) | | | | | | |
| Daily | 85,100 | 94,600 | 0 <u>109,500</u> | 120,900 | 128,500 | 135,000 |
| In | 42,600 | 47,350 | 0- <u>54,800</u> | 60,500 | 64,300 | 67,550 |
| Out | 42,500 | 47,250 | 54,700 | 60,400 | 64,200 | 67,450 |
| AM Peak Hour | 3,180 | 3,530 | 4,095 | 4,550 | 4,800 | 5,070 |
| In | 1,760 | 1,955 | 2,265 | 2,500 | 2,650 | 2,790 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,245 | 3,620 | 4,190 | 4,650 | 4,950 | 5,205 |
| ln | 1,500 | 1,675 | 1,940 | 2,150 | 2,300 | 2,415 |
| Out | 1,745 | 1,945 | 2,250 | 2,500 | 2,650 | 2,790 |
| Trip Rate | | | | | | |
| Daily | 1.86 | 1.85 | 1.83 | 1.83 | 1.82 | 1.82 |
| | | | | | | |

O&D = origin and destination

Numbers may not add due to rounding.

(1) Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Source: HNTB, 2007.

Under existing conditions, Terminal 1 accommodates approximately 54% of the passenger activity. The Implementation Plan would shift passenger activity to Terminal 2 (East and West) accommodating 51% of passenger activity in 2010, and up to 56% in 2030, as shown in **Table D-39**. The distribution of passengers (and traffic) among terminals would differ among the alternatives, as shown in **Table D-4**. Under existing conditions, the distribution of SDIA passengers among the terminals is approximately 55% at Terminal 1, 40% at Terminal 2 (East and West), and 5% at the Commuter Terminal. Under the No Project Alternative, the passenger split would be approximately 50%, 45%, and 5% at Terminal 1, Terminal 2 (East and West), and the Commuter Terminal, respectively, in 2015.

The change in passenger distribution between terminals would result in redistribution of traffic at the terminal access driveways along North Harbor Drive. However, the change in passenger distribution would not affect the traffic pattern outside of the study area which is assumed to be the same as the No Project Alternative.

Table D-39
2010-2030 Terminal Passenger Distribution – Proposed Airport Implementation Plan
(With Parking Structure)

| | | Terminal 1 | Terminal 2 | Terminal 2 | Commuter | |
|--------------------------------------|------------|------------|------------|------------|----------|-------|
| Scenario/Year | Terminal 1 | East * | East | West | Terminal | Total |
| Existing | | | | | | |
| 2005 | 54% | 0% | 15% | 26% | 5% | 100% |
| Proposed Airport Implementation Plan | | | | | | |
| 2010 | 45% | 0% | 20% | 31% | 4% | 100% |
| 2015 | 43% | 0% | 20% | 33% | 3% | 100% |
| 2020 | 43% | 0% | 19% | 34% | 3% | 100% |
| 2025 | 43% | 0% | 19% | 35% | 3% | 100% |
| 2030 | 41% | 0% | 19% | 37% | 3% | 100% |

Source: HNTB, 2007.

D.5.1.3 Traffic Impacts

Traffic impacts were identified by comparing traffic conditions under the Implementation Plan (With Parking Structure) against traffic conditions under the No Project Alternative. Specific impact categories are discussed in this section.

D.5.1.3.1 Street Segments

Table D-40 summarizes the street segment operations for each analysis year under the Implementation Plan (With Parking Structure).

^{*} New unit terminal under Airport Implementation Project Alternative.

Table D-40

2010-2030 Street Segment Operations – Proposed Airport Implementation Plan (With Parking Structure, 2010-2020)

| | | | | | | | Year 2010 | | | | | Year 2015 | | | | Year 2020 | | | |
|-----------------------|-----------------------------|---------------------------|-------|-----------------------|----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----|----------|-----------------|-----------|------|-----|
| | | | | LOS E ADT Capacity | SDIA ADT | Non-SDIA | Total ADT | | | SDIA ADT | Non-SDIA | Total ADT | | | SDIA ADT | Non-SDIA ADT | Total ADT | | |
| Roadway | Segment | Classification | Lanes | 1000s | 1000s | ADT 1000s | 1000s | V/C | LOS | 1000s | ADT 1000s | 1000s | V/C | LOS | 1000s | 1000s | 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 11.1 | 17.7 | 28.8 | 0.48 | В | 12.9 | 20.4 | 33.3 | 0.55 | В | 14.2 | 25.2 | 39.3 | 0.66 | С |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 12.0 | 15.1 | 27.1 | 0.45 | В | 13.4 | 16.3 | 29.7 | 0.49 | В | 14.4 | 20.7 | 35.1 | 0.59 | С |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 11.2 | 14.9 | 26.1 | 0.43 | В | 12.4 | 16.2 | 28.6 | 0.48 | В | 13.4 | 18.3 | 31.8 | 0.53 | В |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 23.6 | 15.0 | 38.6 | 0.59 | С | 27.9 | 16.3 | 44.2 | 0.68 | С | 30.9 | 18.2 | 49.1 | 0.75 | С |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 22.3 | 18.3 | 40.6 | 0.63 | С | 26.2 | 18.4 | 44.6 | 0.69 | С | 28.8 | 19.1 | 47.8 | 0.74 | С |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 36.4 | 18.3 | 54.7 | 0.78 | С | 41.8 | 18.3 | 60.1 | 0.86 | D | 45.9 | 19.1 | 65.0 | 0.93 | D |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 37.9 | 18.4 | 56.3 | 0.80 | С | 43.7 | 18.4 | 62.0 | 0.89 | D | 47.9 | 19.1 | 67.1 | 0.96 | E |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 63.0 | 20.8 | 83.8 | 1.40 | F | 73.1 | 20.7 | 93.8 | 1.56 | F | 80.5 | 22.1 | 102.6 | 1.71 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 40.8 | 15.2 | 56.0 | 0.93 | E | 47.2 | 15.4 | 62.6 | 1.04 | F | 51.9 | 16.7 | 68.6 | 1.14 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.5 | 14.0 | 39.5 | 0.66 | С | 29.6 | 13.4 | 43.0 | 0.72 | С | 32.6 | 14.0 | 46.6 | 0.78 | С |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 13.6 | 6.7 | 20.3 | 0.81 | D | 15.8 | 7.1 | 22.9 | 0.92 | E | 17.5 | 8.5 | 26.0 | 1.04 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 16.4 | 28.9 | 1.15 | F | 14.4 | 17.1 | 31.5 | 1.26 | F | 15.9 | 18.5 | 34.4 | 1.38 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.2 | 23.3 | 35.5 | 1.42 | F | 14.2 | 23.7 | 37.9 | 1.52 | F | 15.7 | 21.1 | 36.8 | 1.47 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.4 | 5.1 | 20.5 | 0.82 | D | 17.9 | 5.4 | 23.3 | 0.93 | E | 19.7 | 6.7 | 26.4 | 1.06 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 6.0 | 18.5 | 0.74 | С | 14.5 | 6.2 | 20.7 | 0.83 | D | 16.0 | 7.4 | 23.4 | 0.94 | E |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.7 | 1.19 | F | 14.5 | 19.2 | 33.7 | 1.35 | F | 16.0 | 20.4 | 36.4 | 1.46 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.2 | 7.2 | 7.4 | 0.29 | A | 0.2 | 7.2 | 7.4 | 0.30 | A | 0.3 | 9.6 | 9.9 | 0.39 | Α |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 9.0 | 13.0 | 22.0 | 0.88 | D | 10.5 | 13.1 | 23.6 | 0.94 | E | 11.6 | 16.0 | 27.6 | 1.10 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 9.1 | 11.0 | 20.1 | 0.81 | D | 10.6 | 11.9 | 22.5 | 0.90 | E | 11.7 | 18.7 | 30.4 | 1.22 | F |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 7.6 | 8.6 | 16.2 | 0.65 | C | 8.8 | 9.5 | 18.3 | 0.73 | C | 9.8 | 16.0 | 25.7 | 1.03 | F |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.2 | 7.2 | 0.29 | Ä | 0.1 | 7.9 | 8.0 | 0.32 | Ä | 0.1 | 13.3 | 13.4 | 0.54 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 14.8 | 14.8 | 0.59 | С | 0.1 | 16.8 | 16.9 | 0.67 | С | 0.1 | 21.5 | 21.6 | 0.86 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Maior | 4U | 40.0 | 22.2 | 6.3 | 28.5 | 0.71 | C | 25.9 | 6.7 | 32.6 | 0.81 | D | 28.6 | 6.0 | 34.5 | 0.86 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 17.9 | 7.2 | 25.1 | 0.84 | F | 21.1 | 7.8 | 28.9 | 0.96 | F | 23.4 | 6.9 | 30.3 | 1.01 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 10.4 | 8.5 | 18.9 | 0.63 | C | 12.4 | 9.6 | 22.0 | 0.73 | D | 14.0 | 8.0 | 22.0 | 0.73 | D |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 4.1 | 22.8 | 26.9 | 0.54 | B | 4.9 | 27.3 | 32.2 | 0.64 | C | 5.4 | 24.3 | 29.8 | 0.60 | C |
| r domo r ngimay | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 6.9 | 17.5 | 24.4 | 0.49 | B | 8.0 | 21.0 | 29.0 | 0.58 | C | 8.9 | 20.9 | 29.8 | 0.60 | Č |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 6.9 | 18.1 | 25.0 | 0.50 | В | 8.0 | 21.7 | 29.7 | 0.59 | Č | 8.9 | 21.0 | 29.9 | 0.60 | Č |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 2.2 | 19.1 | 21.3 | 0.43 | В | 2.7 | 22.6 | 25.3 | 0.51 | В | 3.1 | 25.5 | 28.7 | 0.57 | Č |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 4.9 | 19.6 | 24.5 | 0.49 | В | 5.8 | 23.2 | 29.0 | 0.58 | С | 6.5 | 26.0 | 32.5 | 0.65 | C |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | A | 0.0 | 0.9 | 0.9 | 0.11 | Ä | 0.0 | 0.3 | 0.3 | 0.04 | Ā |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 3.4 | 8.3 | 11.7 | 0.97 | F | 4.3 | 9.7 | 14.0 | 1.17 | F | 5.0 | 9.3 | 14.3 | 1.19 | F |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 1.7 | 8.5 | 10.2 | 1.27 | F | 2.2 | 9.7 | 11.9 | 1.48 | F | 2.5 | 9.4 | 11.9 | 1.48 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 3.9 | 16.5 | 20.4 | 0.68 | D | 4.7 | 18.6 | 23.3 | 0.78 | D | 5.4 | 19.1 | 24.5 | 0.82 | D |
| Trading to 11 Officer | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.6 | 23.3 | 26.9 | 0.90 | F | 4.3 | 25.5 | 29.8 | 0.99 | Ē | 4.8 | 28.6 | 33.4 | 1.11 | F |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.4 | 8.7 | 16.1 | 2.01 | F | 8.7 | 10.2 | 18.9 | 2.36 | F | 9.6 | 7.9 | 17.5 | 2.19 | F |
| 011001 | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 7.4 | 13.2 | 20.7 | 1.72 | F | 8.7 | 15.4 | 24.0 | 2.00 | F | 9.6 | 12.6 | 22.2 | 1.85 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 5.1 | 13.5 | 18.6 | 1.55 | F | 6.5 | 14.6 | 21.1 | 1.76 | F | 7.6 | 15.2 | 22.7 | 1.90 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Maior | 6D | 50.0 | 5.1 | 40.1 | 45.3 | 0.91 | Ė | 6.0 | 42.4 | 48.4 | 0.97 | Ė | 6.6 | 34.3 | 40.9 | 0.82 | D |
| . 1000010110 | Nimitz Quimby - Barnett | 4-lane Major-5-lane Major | 4U 5U | 40.0 45.0 | 5.1 | 35.9 | 41.1 | 1.03 0.91 | E.F | 6.0 | 35.4 | 41.4 | 1.03 0.92 | ĘΕ | 6.6 | 31.1 | 37.7 | 0.02 | E-D |
| | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 5.1 | 35.9 | 41.1 | 1.03 | <u> </u> | 6.0 | 35.4 | 41.4 | 1.03 | F | 6.6 | 31.1 | 37.7 | 0.94 | |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 9.5 | 8.7 | 18.2 | 0.45 | B | 11.0 | 8.5 | 19.4 | 0.49 | B | 12.1 | 11.2 | 23.2 | 0.58 | Ċ |
| Source: HNTB, 2007. | Harbur - Nuscularis | Tiune major | 70 | ₹0.0 | ð.J | 0.1 | 10.2 | 0.40 | U | 11.0 | 0.0 | 10.4 | 0.40 | U | 14.1 | 11.4 | 20.2 | 0.50 | |

Source: HNTB, 2007.

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-40 (continued)

2010-2030 Street Segment Operations – Proposed Airport Implementation Plan (With Parking Structure, 2025-2030)

| | | | | | Year 2025 | | | | | Year 2030 | | | | | |
|---------------------|-----------------------------|---------------------------|-------|--------------------------------|-------------------|--------------------------|-----------|-----------------------|-----|-------------------|-----------------------|---------------------|----------------------|----------|--|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 15.1 | 26.7 | 41.8 | 0.70 | С | 19.7 | 28.5 | 48.2 | 0.80 | С | |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 15.1 | 21.8 | 36.9 | 0.61 | Č | 18.5 | 23.3 | 41.8 | 0.70 | C | |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 14.1 | 18.4 | 32.5 | 0.54 | В | 16.1 | 20.7 | 36.8 | 0.61 | Ċ | |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 33.1 | 18.1 | 51.1 | 0.79 | C | 35.9 | 19.8 | 55.7 | 0.86 | D | |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 30.7 | 20.4 | 51.1 | 0.79 | C | 31.9 | 21.1 | 53.0 | 0.82 | С | |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 48.6 | 20.5 | 69.1 | 0.99 | Ē | 49.5 | 21.1 | 70.6 | 1.01 | F | |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 50.7 | 20.4 | 71.0 | 1.01 | F | 51.1 | 20.9 | 71.9 | 1.03 | F | |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 85.5 | 20.9 | 106.4 | 1.77 | F | 85.8 | 21.7 | 107.5 | 1.79 | F | |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 55.1 | 17.5 | 72.6 | 1.21 | F | 57.8 | 18.2 | 76.0 | 1.27 | F | |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 34.6 | 14.8 | 49.4 | 0.82 | C | 36.3 | 14.8 | 51.2 | 0.85 | D | |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 18.6 | 9.0 | 27.5 | 1.10 | F | 19.5 | 9.7 | 29.2 | 1.17 | F | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.9 | 18.8 | 35.7 | 1.43 | F | 17.7 | 19.8 | 37.5 | 1.50 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.7 | 21.8 | 38.5 | 1.54 | F | 17.6 | 24.7 | 42.2 | 1.69 | F | |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 20.9 | 7.0 | 27.9 | 1.12 | F | 22.0 | 7.9 | 29.9 | 1.20 | F | |
| Tiantiloni Ciloci | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.0 | 7.8 | 24.8 | 0.99 | E | 17.9 | 8.7 | 26.6 | 1.06 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 17.0 | 21.8 | 38.8 | 1.55 | F | 17.9 | 24.5 | 42.4 | 1.69 | F | |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 10.7 | 11.1 | 0.44 | В | 0.4 | 4.2 | 4.6 | 0.18 | A | |
| TOURION DAY | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 12.3 | 14.1 | 26.4 | 1.06 | F | 11.0 | 17.4 | 28.4 | 1.14 | F | |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.6 | 1.19 | F | 11.2 | 14.2 | 25.4 | 1.02 | F | |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.4 | 13.7 | 24.1 | 0.96 | E | 9.0 | 12.6 | 21.5 | 0.86 | D | |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 11.0 | 11.2 | 0.45 | В | 0.2 | 11.4 | 11.6 | 0.47 | В | |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 19.9 | 20.1 | 0.80 | D | 0.2 | 21.5 | 21.7 | 0.87 | D | |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 30.4 | 4.0 | 34.4 | 0.86 | D | 28.0 | 4.3 | 32.3 | 0.81 | D | |
| 244.0.01.001 | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 25.0 | 6.8 | 31.8 | 1.06 | F | 22.5 | 12.1 | 34.6 | 1.15 | F | |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.1 | 8.1 | 23.2 | 0.77 | D | 14.1 | 12.9 | 27.0 | 0.90 | E | |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 5.8 | 27.4 | 33.2 | 0.66 | C | 6.1 | 19.1 | 25.1 | 0.50 | В | |
| 1 dollo i ligitway | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.2 | 31.7 | 0.63 | C | 9.9 | 16.3 | 26.1 | 0.52 | В | |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.0 | 31.5 | 0.63 | C | 9.9 | 15.4 | 25.3 | 0.51 | В | |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 3.5 | 27.7 | 31.2 | 0.62 | C | 3.7 | 23.3 | 27.0 | 0.54 | В | |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 6.9 | 28.1 | 35.0 | 0.70 | C | 7.3 | 24.1 | 31.4 | 0.63 | C | |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.01 | A | 0.0 | 0.1 | 0.1 | 0.01 | Ā | |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 5.4 | 10.4 | 15.8 | 1.32 | F | 5.8 | 6.1 | 11.9 | 0.99 | E | |
| Cuccunuc Cuccu | Kettner-India | 2-Lane Collector | 2U | 8.0 | 2.7 | 9.8 | 12.5 | 1.56 | F | 2.9 | 8.0 | 10.9 | 1.36 | F | |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 6.0 | 18.9 | 24.9 | 0.83 | D | 6.5 | 12.7 | 19.2 | 0.64 | Ċ | |
| g.co.r o.c.oot | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.2 | 28.1 | 33.3 | 1.11 | F | 5.6 | 22.5 | 28.1 | 0.94 | Ē | |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.2 | 7.9 | 18.1 | 2.26 | F | 8.9 | 12.6 | 21.4 | 2.68 | F | |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.2 | 12.5 | 22.7 | 1.89 | F | 8.9 | 16.5 | 25.3 | 2.11 | F | |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 8.3 | 14.7 | 22.9 | 1.91 | F | 7.6 | 21.5 | 29.1 | 2.42 | F | |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 7.0 | 34.6 | 41.5 | 0.83 | D | 10.8 | 33.7 | 44.5 | 0.89 | D | |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U 5U | 40.0 45.0 | 7.0 | 31.3 | 38.3 | 0.96 -0.85 | E-D | 10.8 | 29.0 | 39.8 | 1.00 0.88 | €D | |
| | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 7.0 | 31.3 | 38.3 | 0.96 | F | 10.8 | 29.0 | 39.8 | 1.00 | F | |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 12.8 | 11.8 | 24.7 | 0.62 | C | 17.4 | 11.7 | <u>33.0</u> 29.1 | 0.73 | C | |
| Source: HNTB, 2007. | Tidibot - Noscolatis | - ranc major | 70 | 70.0 | 12.0 | 11.0 | 27.1 | 0.02 | U | 17.7 | 11.7 | 20.1 | 0.70 | <u> </u> | |

Source: HNTB, 2007.

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio **Table D-41** compares the street segment volume to capacity (v/c) ratios under the Implementation Plan (With Parking Structure) against the No Project Alternative to identify traffic impacts based on significance criteria identified in **Section D.2**, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.02 for streets operating at LOS E and 0.01 for streets operating at LOS F under the No Project. The following roadway segments would have potentially significant traffic impacts:

Street Segments with Significant Traffic Impacts

Year 2010

- Sassafras Street between Pacific Highway and Kettner Boulevard, which operates at LOS E under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in volume to capacity (v/c) ratio of over 0.02 under the Implementation Plan compared to the No Project Alternative.
- Sassafras Street between Kettner Boulevard and India Street, which operates at LOS F under both
 the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an
 increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project
 Alternative.

Sassafras Street provides a major east-west connection between Pacific Highway and Kettner Boulevard with direct access to southbound I-5 and India Street with direct access to northbound I-5. Sassafras has limited total capacity with three lanes and capacity of 12,000 ADT between Pacific Highway and Kettner Boulevard and only two lanes and a capacity of 8,000 ADT between Kettner Boulevard and India Street. Under existing conditions the segment between Pacific Highway and Kettner Boulevard has 9,7000 ADT and operates at LOS D and the segment between Kettner Boulevard and India Street has 9,400 ADT (1,4000 ADT over capacity) and operates at LOS F.

Once the segment of Sassafras Street between Pacific Highway and India Street is operating at LOS F as it is under both the existing and 2010 and beyond No Project conditions it only requires 80 additional daily vehicle trips from the project to trigger a significant impact. Similarly once the segment of Sassafras Street between Pacific Highway and Kettner Boulevard is operating at LOS E as it is under the 2010 and beyond No Project conditions it only requires 240 additional daily vehicle trips from the project to trigger a significant impact.

Year 2015

- All locations identified in Year 2010.
- Kettner Boulevard between Sassafras and Palm Street, which increased from LOS D under the No Project Alternative to LOS E under the Implementation Plan (with Parking Structure).

Year 2020

- All locations identified in Year 2015, except Kettner Boulevard between Sassafras Street and Palm Street which is LOS F under both No Project and Implementation Plan (with Parking Structure) but has an increase in volume to capacity ration of less than 0.02.
- North Harbor Drive between Winship Lane and the Flyover Merge, which operates at LOS E under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.02 under the Implementation Plan compared to the No Project Alternative.

Year 2025

- All locations identified in Year 2020.
- North Harbor Drive between Terminal 1 Access and Hawthorn Street, which operates at LOS E and F
 under both the Implementation Plan (with Parking Structure) and No Project Alternative and
 experience an increase in the v/c ratio of over 0.01 under the Implementation Plan compared to the
 No Project Alternative.

- Grape Street between North Harbor Drive and Kettner Boulevard, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- Hawthorn Street between North Harbor Drive and Pacific Highway, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- Kettner Boulevard between Washington Street and Palm Street, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- India Street between Laurel Street and Palm Street, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2010 and 2015 2025
- Grape Street between Kettner Boulevard and I-5, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- Hawthorn Street between Pacific Highway and I-5, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- Laurel Street between Pacific Highway and Kettner Boulevard, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.
- India Street between Palm Street and Washington Street, which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.

Table D-41

2010-2030 Street Segment Impacts – Proposed Airport Implementation Plan (With Parking Structure)

| | | | | Year 2010 | | | | | Year 2015 | | | | | Year | 2020 | |
|--------------------|-----------------------------|------------------|----------------|------------------|------------|----------|------------------|----------------|------------------|------------|----------|-------------------|-------------|-------------------|----------|-------------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.48 | В | 0.48 | В | 0.00 | 0.56 | В | 0.55 | В | 0.00 | 0.66 | С | 0.66 | С | 0.00 |
| | NTC - Spanish Landing | 0.51 | В | 0.45 | В | -0.06 | 0.57 | В | 0.49 | В | -0.07 | 0.67 | С | 0.59 | С | -0.08 |
| | Spanish Landing - T2 Access | 0.43 | В | 0.43 | В | 0.01 | 0.47 | В | 0.48 | В | 0.01 | 0.52 | В | 0.53 | В | 0.01 |
| | T2 Access - Harbor Island | 0.56 | В | 0.59 | С | 0.03 | 0.63 | С | 0.68 | С | 0.05 | 0.68 | С | 0.75 | С | 0.07 |
| | Harbor Island - T1 Access | 0.58 | С | 0.63 | С | 0.04 | 0.62 | С | 0.69 | С | 0.06 | 0.64 | С | 0.74 | С | 0.09 |
| | T1 Access - Winship | 0.76 | C | 0.78 | С | 0.02 | 0.83 | С | 0.86 | D | 0.03 | 0.89 | D | 0.93 | D | 0.04 |
| | Winship - Flyover Merge | 0.79 | C | 0.80 | С | 0.01 | 0.87 | D | 0.89 | D | 0.01 | 0.935 | E | 0.958 | E | 0.023 |
| | Rental Car Rd - Laurel | 1.41 | F | 1.40 | F | -0.01 | 1.57 | F | 1.56 | F | -0.01 | 1.71 | F | 1.71 | F | 0.00 |
| | Laurel - Hawthorn | 0.94 | Е | 0.93 | E | -0.01 | 1.05 | F | 1.04 | F | 0.00 | 1.14 | F | 1.14 | F | 0.00 |
| | Hawthorn - Grape | 0.66 | C | 0.66 | С | 0.00 | 0.72 | С | 0.72 | С | 0.00 | 0.78 | С | 0.78 | С | 0.00 |
| Grape Street | Harbor - Pacific | 0.82 | D | 0.81 | D | 0.00 | 0.92 | E | 0.92 | E | 0.00 | 1.04 | F | 1.04 | F | 0.00 |
| | Pacific - Kettner | 1.16 | F | 1.15 | F | 0.00 | 1.26 | F | 1.26 | F | 0.00 | 1.37 | F | 1.38 | F | 0.00 |
| | Kettner - I-5 | 1.43 | F | 1.42 | F | -0.01 | 1.52 | F | 1.52 | F | -0.01 | 1.48 | F | 1.47 | F | 0.00 |
| Hawthorn Street | Harbor - Pacific | 0.83 | D | 0.82 | D | -0.01 | 0.94 | Е | 0.93 | E | -0.01 | 1.06 | F | 1.06 | F | 0.00 |
| | Pacific - Kettner | 0.75 | С | 0.74 | С | -0.01 | 0.83 | D | 0.83 | D | -0.01 | 0.94 | E | 0.94 | E | 0.00 |
| | Kettner - I-5 | 1.19 | F | 1.19 | F | -0.01 | 1.35 | F | 1.35 | F | -0.01 | 1.46 | F | 1.46 | F | 0.00 |
| Kettner Blvd | north of Washington | 0.29 | Α | 0.29 | Α | 0.00 | 0.30 | Α | 0.30 | Α | 0.00 | 0.39 | Α | 0.39 | Α | 0.00 |
| | Washington - Sassafras | 0.88 | D | 0.88 | D | 0.00 | 0.94 | E | 0.94 | E | 0.00 | 1.10 | F | 1.10 | F | 0.005 |
| | Sassafras - Palm | 0.80 | D | 0.81 | D | 0.00 | 0.897 | D | 0.901 | Е | 0.005 | 1.21 | F | 1.22 | F | 0.006 |
| | Palm - Laurel | 0.65 | C | 0.65 | С | 0.00 | 0.74 | С | 0.73 | С | 0.00 | 1.03 | F | 1.03 | F | 0.00 |
| | Laurel - Hawthorn | 0.29 | Α | 0.29 | Α | 0.00 | 0.32 | Α | 0.32 | Α | 0.00 | 0.54 | В | 0.54 | В | 0.00 |
| | Hawthorn - Grape | 0.59 | С | 0.59 | С | 0.00 | 0.68 | С | 0.67 | С | 0.00 | 0.87 | D | 0.86 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.72 | С | 0.71 | С | -0.01 | 0.82 | D | 0.81 | D | -0.01 | 0.87 | D | 0.86 | D | 0.00 |
| | Pacific - Kettner | 0.85 | Е | 0.84 | E | -0.01 | 0.97 | E | 0.96 | E | -0.01 | 1.02 | F | 1.01 | F | -0.01 |
| • | Kettner - I-5 | 0.64 | C | 0.63 | С | -0.01 | 0.75 | D | 0.73 | D | -0.01 | 0.75 | D | 0.73 | D | -0.02 |
| Pacific Highway | Washington - Sassafras | 0.54 | В | 0.54 | В | 0.00 | 0.64 | С | 0.64 | С | 0.00 | 0.59 | С | 0.60 | С | 0.00 |
| | Sassafras - Palm | 0.48 | В | 0.49 | В | 0.01 | 0.57 | С | 0.58 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Palm - Laurel | 0.49 | В | 0.50 | В | 0.01 | 0.59 | С | 0.59 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Laurel - Hawthorn | 0.42 | В | 0.43 | В | 0.00 | 0.50 | В | 0.51 | В | 0.00 | 0.57 | С | 0.57 | С | 0.00 |
| | Hawthorn - Grape | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 | 0.65 | С | 0.65 | С | 0.00 |
| Palm Street | Pacific - Kettner | 0.11 | Α | 0.11 | Α | 0.00 | 0.11 | Α | 0.11 | Α | 0.00 | 0.04 | Α | 0.04 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 0.95 | Е | 0.97 | E | 0.021 | 1.14 | F | 1.17 | F | 0.02 | 1.17 | F | 1.19 | F | 0.02 |
| | Kettner-India | 1.25 | F | 1.27 | F | 0.02 | 1.46 | F | 1.48 | F | 0.02 | 1.46 | F | 1.48 | F | 0.02 |
| Washington Street | Pacific - Kettner | 0.68 | D | 0.68 | D | 0.001 | 0.78 | D | 0.78 | D | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Kettner - San Diego | 0.90 | E | 0.90 | E | 0.00 | 0.99 | E | 0.99 | E | 0.00 | 1.11 | F | 1.11 | F | 0.00 |
| India Street | Laurel - Palm | 2.03 | F | 2.01 | F | -0.01 | 2.38 | F | 2.36 | F | -0.01 | 2.20 | F | 2.19 | F | -0.01 |
| | Palm - Sassafras | 1.73 | F | 1.72 | F | -0.01 | 2.01 | F | 2.00 | F | -0.01 | 1.86 | F | 1.85 | F | -0.01 |
| | Sassafras - Washington | 1.57 | F | 1.55 | F | -0.02 | 1.79 | F | 1.76 | F | -0.03 | 1.93 | F | 1.90 | F | -0.03 |
| Rosecrans | Barnett - Sport Arena | 0.91 | E | 0.91 | Е | 0.00 | 0.97 | E | 0.97 | E | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Nimitz Quimby - Barnett | 1.03 <u>0.91</u> | ₽ <u>E</u> | 1.03 <u>0.91</u> | ₽ <u>E</u> | 0.00 | 1.03 <u>0.92</u> | ₽ <u>E</u> | 1.03 <u>0.92</u> | ₽ <u>E</u> | 0.00 | 0.94- <u>0.84</u> | <u> </u> | 0.94- <u>0.84</u> | <u> </u> | 0.00 |
| | Nimitz - Quimby | <u>1.03</u> | <u> </u> | <u>1.03</u> | <u> </u> | 0.00 | <u>1.03</u> | E | <u>1.03</u> | <u> </u> | 0.00 | <u>0.94</u> | E | <u>0.94</u> | <u>E</u> | <u>0.00</u> |
| Nimitz | Harbor - Rosecrans | 0.46 | В | 0.45 | В | 0.00 | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 |

Source: HNTB, 2007. V/C = Volume to capacity ratio LOS = Level of service Legend:

LOS E LOS F Significant Impact

Table D-41 (continued)

2010-2030 Street Segment Impacts – Proposed Airport Implementation Plan (With Parking Structure)

| | | | Yea | r 2025 | | | | | Year 2030 | | |
|--------------------|-----------------------------|-----------------------|-------------|-----------|----------|----------|----------------|----------------|-----------|----------|----------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.69 | С | 0.70 | С | 0.00 | 0.79 | С | 0.80 | С | 0.02 |
| | NTC - Spanish Landing | 0.70 | С | 0.61 | С | -0.08 | 0.79 | С | 0.70 | С | -0.09 |
| | Spanish Landing - T2 Access | 0.53 | В | 0.54 | В | 0.02 | 0.60 | С | 0.61 | С | 0.01 |
| | T2 Access - Harbor Island | 0.70 | С | 0.79 | С | 0.08 | 0.76 | С | 0.86 | D | 0.10 |
| | Harbor Island - T1 Access | 0.68 | С | 0.79 | С | 0.10 | 0.69 | С | 0.82 | С | 0.12 |
| | T1 Access - Winship | 0.93 | E | 0.99 | E | 0.05 | 0.94 | Е | 1.01 | F | 0.07 |
| | Winship - Flyover Merge | 0.98 | E | 1.01 | F | 0.04 | 0.97 | Ш | 1.03 | F | 0.06 |
| | Rental Car Rd - Laurel | 1.750 | F | 1.773 | F | 0.023 | 1.73 | F | 1.79 | F | 0.06 |
| | Laurel - Hawthorn | 1.193 | F | 1.210 | F | 0.017 | 1.22 | F | 1.27 | F | 0.05 |
| | Hawthorn - Grape | 0.81 | С | 0.82 | С | 0.01 | 0.82 | С | 0.85 | D | 0.03 |
| Grape Street | Harbor - Pacific | 1.09 | F | 1.10 | F | 0.0102 | 1.13 | F | 1.17 | F | 0.03 |
| • | Pacific - Kettner | 1.412 | F | 1.428 | F | 0.016 | 1.46 | F | 1.50 | F | 0.04 |
| | Kettner - I-5 | 1.53 | F | 1.54 | F | 0.009 | 1.66 | F | 1.69 | F | 0.03 |
| Hawthorn Street | Harbor - Pacific | 1.10 | F | 1.12 | F | 0.012 | 1.16 | F | 1.20 | F | 0.04 |
| | Pacific - Kettner | 0.98 | E | 0.99 | E | 0.01 | 1.03 | F | 1.06 | F | 0.03 |
| | Kettner - I-5 | 1.54 | F | 1.55 | F | 0.009 | 1.66 | F | 1.69 | F | 0.03 |
| Kettner Blvd | north of Washington | 0.44 | В | 0.44 | В | 0.00 | 0.18 | Α | 0.18 | Α | 0.00 |
| | Washington - Sassafras | 1.04 | F | 1.06 | F | 0.014 | 1.11 | F | 1.14 | F | 0.03 |
| | Sassafras - Palm | 1.17 | F | 1.19 | F | 0.014 | 0.99 | E | 1.02 | F | 0.03 |
| | Palm - Laurel | 0.96 | E | 0.96 | E | 0.00 | 0.85 | D | 0.86 | D | 0.01 |
| | Laurel - Hawthorn | 0.45 | В | 0.45 | В | 0.00 | 0.47 | В | 0.47 | В | 0.00 |
| | Hawthorn - Grape | 0.81 | D | 0.80 | D | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.85 | D | 0.86 | D | 0.01 | 0.78 | D | 0.81 | D | 0.03 |
| | Pacific - Kettner | 1.06 | F | 1.06 | F | 0.00 | 1.133 | F | 1.154 | F | 0.02 |
| | Kettner - I-5 | 0.78 | D | 0.77 | D | -0.01 | 0.90 | E | 0.90 | E | 0.00 |
| Pacific Highway | Washington - Sassafras | 0.66 | С | 0.66 | С | 0.00 | 0.50 | В | 0.50 | В | 0.01 |
| J | Sassafras - Palm | 0.62 | С | 0.63 | С | 0.01 | 0.51 | В | 0.52 | В | 0.02 |
| | Palm - Laurel | 0.62 | С | 0.63 | С | 0.01 | 0.49 | В | 0.51 | В | 0.02 |
| | Laurel - Hawthorn | 0.62 | С | 0.62 | С | 0.00 | 0.54 | В | 0.54 | В | 0.00 |
| | Hawthorn - Grape | 0.70 | С | 0.70 | С | 0.01 | 0.62 | С | 0.63 | С | 0.01 |
| Palm Street | Pacific - Kettner | 0.01 | Α | 0.01 | Α | 0.00 | 0.01 | Α | 0.01 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 1.28 | F | 1.32 | F | 0.03 | 0.94 | E | 0.99 | Е | 0.05 |
| | Kettner-India | 1.53 | F | 1.56 | F | 0.03 | 1.32 | F | 1.36 | F | 0.04 |
| Washington Street | Pacific - Kettner | 0.83 | D | 0.83 | D | 0.00 | 0.63 | С | 0.64 | С | 0.01 |
| Y | Kettner - San Diego | 1.11 | F | 1.11 | F | 0.00 | 0.93 | E | 0.94 | E | 0.01 |
| India Street | Laurel - Palm | 2.25 | F | 2.26 | F | 0.011 | 2.64 | F | 2.68 | F | 0.04 |
| | Palm - Sassafras | 1.88 | F | 1.89 | F | 0.007 | 2.09 | F | 2.11 | F | 0.03 |
| | Sassafras - Washington | 1.93 | F | 1.91 | F | -0.02 | 2.41 | F | 2.42 | F | 0.011 |
| Rosecrans | Barnett - Sport Arena | 0.83 | D | 0.83 | D | 0.00 | 0.88 | D | 0.89 | D | 0.01 |
| | Nimitz Quimby - Barnett | 0.95 -0.85 | E-D | 0.96-0.85 | €D | 0.00 | 0.98-0.87 | €D | 1.00 0.88 | €D | 0.01 |
| | Nimitz - Quimby | 0.95 | E | 0.96 | <u>E</u> | 0.00 | 0.98 | E | 1.00 | E | 0.01 |
| Nimitz | Harbor - Rosecrans | 0.61 | C | 0.62 | C | 0.01 | 0.71 | C | 0.73 | C | 0.02 |

Source: HNTB, 2007.
V/C = Volume to capacity ratio
LOS = Level of service
Legend:

LOS E LOS F Significant Impact

D.5.1.3.2 Intersections

Tables D-42, **D-43**, **D-44**, **D-45**, **D-46**, **D-47**, **D-48**, **D-49**, **D-50**, **and D-51** show the intersection turning volumes under the Implementation Plan (With Parking Structure) for years 2010 through 2030. **Table D-52** shows the resulting intersection operations. Future intersection lane configurations are assumed to remain the same under all alternatives and are shown on Figure D.5-1 Figure D.1-5. Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound approaches.

Table D-42 2010 Intersection Turning Volumes – AM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|------------|--|------------|-----|-----|-----|----------|---------|---------|-----|----------|----------|-----|-------|-------|------------|
| | | Total | 0 | 0 | 0 | 549 | 0 | 23 | 11 | 431 | 0 | 7 | 589 | 293 | 1,903 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 190 | 0 | 0 | 0 | 33 | 0 | 0 | 25 | 149 | 397 |
| L | | Background | 0 | 0 | 0 | 359 | 0 | 23 | 11 | 398 | 0 | 7 | 564 | 144 | 1,506 |
| | - | Total | 0 | 0 | 0 | 121 | 0 | 96 | 155 | 600 | 0 | 0 | 856 | 359 | 2,187 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 58 | 0 | 72 | 12 | 212 | 0 | 0 | 103 | 69 | 526 |
| | | Background | 0 | 0 | 0 | 63 | 0 | 24 | 143 | 388 | 0 | 0 | 753 | 290 | 1,661 |
| | | Total | 5 | 0 | 18 | 42 | 0 | 7 | 80 | 700 | 4 | 15 | 1,492 | 0 | 2,363 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 42 | 0 | 7 | 80 | 190 | 0 | 0 | 165 | 0 | 484 |
| | | Background | 5 | 0 | 18 | 0 | Ö | 0 | 0 | 510 | 4 | 15 | 1,327 | 0 | 1,879 |
| | | Total | 41 | 5 | 145 | 19 | 9 | 65 | 71 | 608 | 81 | 238 | 1,850 | 0 | 3,132 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 10 | 5 | 39 | 19 | 9 | 65 | 71 | 140 | 21 | 65 | 539 | 0 | 983 |
| 7 | Notificial boil brive / Flatboil Island brive | Background | 31 | 0 | 106 | 0 | 0 | 0 | 0 | 468 | 60 | 173 | 1,311 | 0 | 2,149 |
| | | | | 0 | | | | | | | | | | | |
| _ | North Hoston Drive / Minchin Long | Total | 0 | | 0 | 79 | 0 | 165 | 66 | 705 | 0 | 0 | 2,463 | 229 | 3,707 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 79 | 0 | 165 | 66 | 131 | 0 | 0 | 979 | 229 | 1,649 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | Total | 53 | 0 | 43 | 10 | 0 | 14 | 16 | 1,533 | 67 | 113 | 2,625 | 19 | 4,493 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 53 | 0 | 43 | 10 | 0 | 14 | 16 | 959 | 67 | 113 | 1,141 | 19 | 2,435 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | Total | 13 | 107 | 0 | 0 | 229 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 566 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 54 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| | | Background | 13 | 53 | 0 | 0 | 134 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 417 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 86 | 0 | 0 | 62 | 1 | 269 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 12 | 0 | 0 | 16 | 1 | 149 |
| _ | | Background | Ö | Ö | ő | 0 | Ö | 0 | 0 | 74 | 0 | 0 | 46 | 0 | 120 |
| | | Total | 68 | 494 | 71 | 47 | 546 | 9 | 5 | 65 | 41 | 202 | 130 | 53 | 1,731 |
| 9 | Sassafras Street / Pacific Highway | Airport | 68 | 61 | 0 | 0 | 80 | 9 | 5 | 65 | 41 | 0 | 130 | 0 | 459 |
| 9 | Gassanas Gueet/ Facilic Highway | Background | 0 | 433 | 71 | 47 | 466 | 0 | 0 | 0 | 0 | 202 | 0 | 53 | 1,272 |
| — | | | | 0 | 0 | 24 | 466 | | 387 | 1,096 | 0 | | | | |
| 10 | Laural Stroot / North Harbar Drive | Total | 0 | | | | | 4 | | | | 0 | 1,875 | 40 | 3,426 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 367 | 645 | 0 | 0 | 822 | 0 | 1,834 |
| | | Background | 0 | 0 | 0 | 24 | 0 | 4 | 20 | 451 | 0 | 0 | 1,053 | 40 | 1,592 |
| | | Total | 0 | 282 | 0 | 0 | 1,037 | 0 | 0 | 0 | 0 | 80 | 0 | 1,901 | 3,300 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 211 | 0 | 0 | 645 | 0 | 0 | 0 | 0 | 5 | 0 | 610 | 1,471 |
| L | | Background | 0 | 71 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 75 | 0 | 1,291 | 1,829 |
| | | Total | 0 | 221 | 111 | 822 | 483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,637 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 211 | 4 | 433 | 217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 865 |
| | | Background | 0 | 10 | 107 | 389 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 772 |
| | | Total | 35 | 321 | 85 | 80 | 266 | 349 | 89 | 519 | 2 | 47 | 694 | 61 | 2.548 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 48 | 0 | 3 | 30 | 88 | 76 | 291 | 0 | 0 | 364 | 5 | 905 |
| 10 | Laurer ou cet / 1 doine riighway | Background | 35 | 273 | 85 | 77 | 236 | 261 | 13 | 228 | 2 | 47 | 330 | 56 | 1,643 |
| _ | | Total | 113 | 204 | 0 | 0 | 160 | 51 | 0 | 0 | 0 | 258 | 1,857 | 84 | 2,727 |
| 4.4 | Handbara Otasat / Basifa History | | | | | | | | | | | | | | |
| 14 | Hawthorn Street / Pacific Highway | Airport | 113 | 48 | 0 | 0 | 24 | 5 | 0 | 0 | 0 | 0 | 497 | 0 | 687 |
| | | Background | 0 | 156 | 0 | 0 | 136 | 46 | 0 | 0 | 0 | 258 | 1,360 | 84 | 2,040 |
| | | Total | 0 | 572 | 161 | 144 | 799 | 0 | 62 | 791 | 38 | 0 | 0 | 0 | 2,567 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 158 | 0 | 0 | 24 | 0 | 4 | 395 | 38 | 0 | 0 | 0 | 619 |
| | | Background | 0 | 414 | 161 | 144 | 775 | 0 | 58 | 396 | 0 | 0 | 0 | 0 | 1,948 |
| | | Total | 0 | 0 | 0 | 233 | 321 | 546 | 0 | 611 | 45 | 39 | 240 | 0 | 2,035 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 302 | 0 | 294 | 0 | 0 | 67 | 0 | 663 |
| | | Background | 0 | 0 | 0 | 233 | 321 | 244 | 0 | 317 | 45 | 39 | 173 | 0 | 1,372 |
| | | Total | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,499 | 0 | 2,891 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 497 | 0 | 497 |
| | riamatorii ca cotti ricatici Boalevara | Background | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,002 | 0 | 2,394 |
| | | Total | 0 | 0 | 0 | 91 | 462 | 0 | 0 | 1,336 | 92 | 0 | 0 | 0 | 1,981 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 389 | 6 | 0 | 0 | 0 | 395 |
| 10 | Orape Otreet / Nettrier Boulevard | | 0 | 0 | 0 | 91 | 462 | | 0 | 947 | | 0 | 0 | | |
| | | Background | | | | | | 0 | | | 86 | | | 0 | 1,586 |
| | | Total | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 430 | 1,056 | 0 | 0 | 0 | 1,752 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 387 | 0 | 0 | 0 | 390 |
| | | Background | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 427 | 669 | 0 | 0 | 0 | 1,362 |
| | | Total | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,458 | 78 | 2,624 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 494 | 0 | 494 |
| L | | Background | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,964 | 78 | 2,130 |
| | | Total | 74 | 108 | 19 | 0 | 0 | 0 | 461 | 343 | 30 | 0 | 219 | 195 | 1,449 |
| 21 | Laurel Street / India Street | Airport | 30 | 0 | 0 | 0 | 0 | 0 | 236 | 28 | 30 | 0 | 37 | 0 | 361 |
| | | Background | 44 | 108 | 19 | 0 | 0 | 0 | 225 | 315 | 0 | 0 | 182 | 195 | 1,088 |
| | | Total | 0 | 0 | 0 | 113 | 1,252 | 331 | 0 | 50 | 42 | 121 | 83 | 0 | 1,992 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 302 | 34 | 0 | 17 | 17 | 0 | 34 | 0 | 404 |
| - | | Background | 0 | 0 | 0 | 113 | 950 | 297 | 0 | 33 | 25 | 121 | 49 | 0 | 1,588 |
| | | Total | 191 | 790 | 11 | 0 | 0 | 0 | 108 | 24 | 50 | 0 | 33 | 21 | 1,228 |
| 23 | Sassafras Street / India Street | Airport | 65 | 236 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 333 |
| 20 | Gassairas Gaset / Iliula Gaset | Background | 126 | 554 | 11 | 0 | 0 | 0 | 76 | 24 | 50 | 0 | 33 | 21 | 895 |
| \vdash | | | | 0 | 0 | | | | 0 | | | 148 | 154 | | |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total | 0 | 0 | 0 | 185 0 | 32 0 | 53 0 | 0 | 64 28 | 37 11 | 66 | | 0 | 673 131 |
| 24 | **asimgion sueet/ Facilic righway sp-ramps | Airport | | | | | | | | | | | 26 | | |
| \vdash | | Background | 0 | 0 | 0 | 185 | 32 | 53 | 0 | 36 | 26 | 82 | 128 | 0 | 542 |
| | | Total | 65 | 11 | 117 | 26 | 6 | 18 | 22 | 0 | 230 | 312 | 143 | 47 | 997 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 7 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 28 | 84 | 0 | 0 | 168 |
| | | Background | 58 | 11 | 68 | 26 | 6 | 18 | 22 | 0 | 202 | 228 | 143 | 47 | 829 |
| | | Total | 0 | 258 | 103 | 321 | 376 | 0 | 354 | 165 | 130 | 0 | 0 | 0 | 1,707 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 64 | 13 | 0 | 76 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 162 |
| | | Background | 0 | 194 | 90 | 321 | 300 | 0 | 354 | 165 | 121 | 0 | 0 | 0 | 1,545 |
| | | Total | 94 | 579 | 0 | 0 | 539 | 536 | 0 | 0 | 0 | 174 | 204 | 7 | 2,133 |
| 27 | Washington Street / San Diego Avenue | Airport | 13 | 51 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 140 |
| l - ' | Trasmigion Substituting Twende | Background | 81 | 528 | 0 | 0 | 472 | 536 | 0 | 0 | 0 | 165 | 204 | 7 | 1,993 |
| | | Total | 200 | 148 | 220 | 99 | 145 | 61 | 60 | 173 | 143 | 301 | 147 | 86 | |
| 20 | December Chroni / Deside I limbure | | | | | | | | | | | | | | 1,783 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 2 | 8 | 0 | 3 | 1 | 0 | 1 | 0 | 10 | 2 | 0 | 27 |
| \vdash | | Background | 200 | 146 | 212 | 99 | 142 | 60 | 60 | 172 | 143 | 291 | 145 | 86 | 1,756 |
| | | Total | 16 | 111 | 86 | 39 | 126 | 40 | 148 | 639 | 28 | 110 | 637 | 40 | 2,020 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 68 | 81 | 0 | 87 | 0 | 0 | 0 | 0 | 103 | 0 | 0 | 339 |
| | | Background | 16 | 43 | 5 | 39 | 39 | 40 | 148 | 639 | 28 | 7 | 637 | 40 | 1,681 |
| Source: HN | JTB 2007 | | | | | | | | | | | | | | |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr ebt

Table D-43 2010 Intersection Turning Volumes – PM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|-------------|--|------------|-----|-------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| | | Total | 0 | 0 | 0 | 456 | 0 | 56 | 36 | 562 | 0 | 14 | 584 | 767 | 2,475 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 27 | 0 | 0 | 31 | 165 | 375 |
| | | Background | 0 | 0 | 0 | 304 | 0 | 56 | 36 | 535 | 0 | 14 | 553 | 602 | 2,100 |
| | | Total | 0 | 0 | 0 | 433 | 0 | 211 | 33 | 920 | 0 | 0 | 995 | 99 | 2,691 |
| 2 | North Harber Drive / McCain Ct | | | | | | | | | | | | | | |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 96 | 0 | 69 | 8 | 171 | 0 | 0 | 128 | 49 | 521 |
| | | Background | 0 | 0 | 0 | 337 | 0 | 142 | 25 | 749 | 0 | 0 | 867 | 50 | 2,170 |
| _ | | Total | 7 | 0 | 25 | 90 | 0 | 16 | 66 | 1,605 | 18 | 5 | 1,122 | 0 | 2,954 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 90 | 0 | 16 | 66 | 201 | 0 | 0 | 161 | 0 | 534 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,404 | 18 | 5 | 961 | 0 | 2,420 |
| | | Total | 154 | 4 | 327 | 21 | 8 | 63 | 58 | 1,539 | 122 | 463 | 1,281 | 0 | 4,040 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 4 | 52 | 21 | 8 | 63 | 58 | 213 | 20 | 56 | 457 | 0 | 964 |
| | | Background | 142 | 0 | 275 | 0 | 0 | 0 | 0 | 1,326 | 102 | 407 | 824 | 0 | 3,076 |
| | | Total | 23 | 408 | 0 | 0 | 524 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,129 |
| - | Observators / Hardward Florida | | | | | | | | | | | | | | |
| 5 | Sheraton / Harbor Island Drive | Airport | 0 | 68 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 |
| | | Background | 23 | 340 | 0 | 0 | 440 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 977 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 95 | 0 | 0 | 126 | 1 | 345 |
| 6 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 15 | 0 | 0 | 13 | 1 | 152 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 113 | 0 | 193 |
| | | Total | 0 | 0 | 0 | 96 | 0 | 195 | 61 | 1,826 | 0 | 0 | 2,048 | 218 | 4,444 |
| 7 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 96 | 0 | 195 | 61 | 225 | 0 | 0 | 816 | 218 | 1,611 |
| | Troid Trained Brites Trainerap Edite | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | | | | | | | | | | | | | | | |
| _ | | Total | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 2,625 | 74 | 86 | 2,176 | 14 | 5,185 |
| 8 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 1,024 | 74 | 86 | 944 | 14 | 2,352 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | · | Total | 62 | 857 | 353 | 125 | 949 | 8 | 13 | 178 | 90 | 165 | 108 | 44 | 2,952 |
| 9 | Sassafras Street / Pacific Highway | Airport | 62 | 73 | 0 | 0 | 65 | 8 | 13 | 178 | 90 | 0 | 108 | 0 | 597 |
| | 1 | Background | 0 | 784 | 353 | 125 | 884 | 0 | 0 | 0 | 0 | 165 | 0 | 44 | 2,355 |
| | | Total | 0 | 0 | 0 | 72 | 0 | 11 | 1,111 | 1,916 | 0 | 0 | 1,607 | 105 | 4,822 |
| 10 | Laurel Street / North Harbor Drive | | 0 | 0 | 0 | 0 | 0 | 0 | 413 | 715 | 0 | 0 | 656 | 0 | 1,784 |
| 10 | Laurer Street / North Harbor Drive | Airport | | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 72 | 0 | 11 | 698 | 1,201 | 0 | 0 | 951 | 105 | 3,038 |
| | | Total | 0 | 580 | 0 | 0 | 2,087 | 0 | 0 | 0 | 0 | 133 | 0 | 1,058 | 3,858 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 169 | 0 | 0 | 715 | 0 | 0 | 0 | 0 | 5 | 0 | 487 | 1,376 |
| | | Background | 0 | 411 | 0 | 0 | 1,372 | 0 | 0 | 0 | 0 | 128 | 0 | 571 | 2,482 |
| | | Total | 0 | 639 | 267 | 1,154 | 1,090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,150 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 169 | 6 | 481 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | ō | 896 |
| | Grapo Grader Herri Harber Billo | Background | 0 | 470 | 261 | 673 | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,254 |
| | | | | | | | | | | | | | | | |
| 40 | 1 10: 1/5 % 1: 1 | Total | 111 | 605 | 145 | 139 | 480 | 369 | 471 | 691 | 58 | 51 | 794 | 78 | 3,992 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 46 | 0 | 7 | 66 | 82 | 84 | 329 | 0 | 0 | 305 | 5 | 924 |
| | | Background | 111 | 559 | 145 | 132 | 414 | 287 | 387 | 362 | 58 | 51 | 489 | 73 | 3,068 |
| | | Total | 126 | 592 | 0 | 0 | 557 | 49 | 0 | 0 | 0 | 147 | 1,029 | 82 | 2,582 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 91 | 45 | 0 | 0 | 61 | 5 | 0 | 0 | 0 | 0 | 396 | 0 | 598 |
| | , | Background | 35 | 547 | 0 | 0 | 496 | 44 | 0 | 0 | 0 | 147 | 633 | 82 | 1,984 |
| | | Total | 0 | 666 | 448 | 237 | 542 | 0 | 50 | 1,593 | 38 | 0 | 0 | 0 | 3,574 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 129 | 0 | 1 | 61 | 0 | 6 | 443 | 38 | 0 | 0 | 0 | 678 |
| 15 | Grape Greet / Lacine Flighway | | | | | | | | | | | | | | |
| | | Background | 0 | 537 | 448 | 236 | 481 | 0 | 44 | 1,150 | 0 | 0 | 0 | 0 | 2,896 |
| | | Total | 0 | 0 | 0 | 282 | 601 | 578 | 0 | 872 | 79 | 54 | 290 | 0 | 2,756 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 241 | 0 | 336 | 0 | 0 | 69 | 0 | 646 |
| | | Background | 0 | 0 | 0 | 282 | 601 | 337 | 0 | 536 | 79 | 54 | 221 | 0 | 2,110 |
| | | Total | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 1,379 | 0 | 2,043 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 397 | 0 | 397 |
| | | Background | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 982 | 0 | 1,646 |
| | | Total | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 3,112 | 90 | 0 | 0 | 0 | 3,910 |
| 10 | Crops Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 433 | 11 | 0 | 0 | 0 | 444 |
| | | Background | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 2,679 | 79 | 0 | 0 | 0 | 3,466 |
| | | Total | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 532 | 2,071 | 0 | 0 | 0 | 3,097 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 430 | 0 | 0 | 0 | 433 |
| | | Background | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 529 | 1,641 | 0 | 0 | 0 | 2,664 |
| | | Total | 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,485 | 61 | 1,639 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 394 | 0 | 394 |
| 20 | awaiom oacet/ i o Northbound On-Namp | | | 57 | | | | | | 0 | | | | | |
| | | Background | 36 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 1,091 | 61 | 1,245 |
| | 1 101 / 11 21 1 | Total | 83 | 290 | 86 | 0 | 0 | 0 | 657 | 499 | 39 | 0 | 273 | 267 | 2,194 |
| 21 | Laurel Street / India Street | Airport | 39 | 0 | 0 | 0 | 0 | 0 | 262 | 34 | 39 | 0 | 30 | 0 | 404 |
| | | Background | 44 | 290 | 86 | 0 | 0 | 0 | 395 | 465 | 0 | 0 | 243 | 267 | 1,790 |
| | | Total | 0 | 0 | 0 | 186 | 1,736 | 257 | 0 | 212 | 99 | 85 | 86 | 0 | 2,661 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 241 | 32 | 0 | 55 | 56 | 0 | 32 | 0 | 416 |
| | | Background | 0 | 0 | 0 | 186 | 1,495 | 225 | 0 | 157 | 43 | 85 | 54 | 0 | 2,245 |
| | | Total | 178 | 1,329 | 31 | 0 | 0 | 0 | 301 | 60 | 110 | 0 | 14 | 17 | 2,040 |
| 23 | Sassafras Street / India Street | | 54 | 262 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 405 |
| 23 | Gassairas Gueet / Illula Gueet | Airport | | | | | | | | | | | | | |
| — | | Background | 124 | 1,067 | 31 | 0 | 0 | 0 | 212 | 60 | 110 | 0 | 14 | 17 | 1,635 |
| | | Total | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 223 | 51 | 199 | 80 | 0 | 1,100 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 53 | 46 | 0 | 136 |
| | | Background | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 196 | 41 | 146 | 34 | 0 | 964 |
| | | Total | 37 | 25 | 199 | 57 | 55 | 7 | 55 | 14 | 592 | 327 | 207 | 59 | 1,634 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 13 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 27 | 86 | 0 | 0 | 187 |
| _~ | | Background | 24 | 25 | 138 | 57 | 55 | 7 | 55 | 14 | 565 | 241 | 207 | 59 | 1,447 |
| | | Total | 0 | 652 | 157 | 343 | 379 | 0 | 555 | 331 | 155 | 0 | 0 | 0 | 2,572 |
| 20 | Washington Ctract / II | | | | | | | | | | | | | | |
| 26 | Washington Street / Hancock Street | Airport | 0 | 75 | 13 | 0 | 70 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 174 |
| | | Background | 0 | 577 | 144 | 343 | 309 | 0 | 555 | 331 | 139 | 0 | 0 | 0 | 2,398 |
| | | Total | 187 | 1,153 | 0 | 0 | 572 | 489 | 0 | 0 | 0 | 185 | 276 | 17 | 2,879 |
| 27 | Washington Street / San Diego Avenue | Airport | 12 | 63 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 146 |
| | 3 | Background | 175 | 1,090 | 0 | 0 | 517 | 489 | 0 | 0 | 0 | 169 | 276 | 17 | 2,733 |
| | | Total | 351 | 287 | 636 | 120 | 139 | 67 | 111 | 459 | 170 | 246 | 304 | 129 | 3,019 |
| 20 | Pagagrana Stroot / Pagific Highway | | | | | | | | | | | | | | |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 2 | 0 | 0 | 1 | 0 | 8 | 1 | 0 | 25 |
| | | Background | 351 | 284 | 626 | 120 | 137 | 67 | 111 | 458 | 170 | 238 | 303 | 129 | 2,994 |
| | | Total | 18 | 193 | 110 | 30 | 103 | 30 | 332 | 812 | 33 | 172 | 653 | 53 | 2,539 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 75 | 90 | 0 | 69 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 316 |
| | | Background | 18 | 118 | 20 | 30 | 34 | 30 | 332 | 812 | 33 | 90 | 653 | 53 | 2,223 |
| Source: HN | ITR 2007 | | | · | | | | | | | | | | | |
| Source, fil | NID, 2007 | | | | | | | | | | | | | | |

Source: HNTB, 2007
Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr ebt wbt wbr2

Table D-44 2015 Intersection Turning Volumes - AM Peak Hour - Implementation Plan

| North Harbor Drive / North Samuel Landing France Fr | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|----------|--|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Bedsprone | | | | | | | | | | | | | | | | |
| North Harbor Drive / McClain St. April Prof. Mode Prof. Mode Prof. Pro | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Appendix | | | | | | | | | | | | | | | | |
| Bedgroom 1 | 2 | North Harbor Drive / McCain St | | | | | | | | | | _ | | | | |
| North Harbor Drive / Sparish Landrig Figure | | North Harbor Brive / Micoain of | | | | | | | | | | | | | | |
| Senground Senground Senground Senground Senground Senground Sendround Send | | | | | | | | | | | | | | | | |
| Morth Harbor Drive Harbor Island Drive Factor Island Drive | 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 56 | 0 | 10 | 100 | 204 | 0 | 0 | 175 | 0 | 545 |
| ## North Harbor Drive / Harbor Island Drive April 12 5 33 19 10 12 73 150 21 65 65 65 65 60 1.135 ## North Harbor Drive / Winship Line Execution Exe | | | | | | | | | | | | | | | | |
| Bedgegord 32 0 109 0 0 0 0 0 515 65 714 1,935 0 2,281 | | | | | | | | | | | | | | | | |
| Second Color North Harbor Drive Winship Line Foot Management Second Color Second C | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Harbor Orner / Weship Lame | | | | | | | | | | | | | | | | |
| Bedgeround 0 | _ | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| North Harbor Drive Rental Car Road | 3 | Notti Harbor Drive / Willship Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Renat Car Road Aspect 63 0 50 0 0 14 16 1116 76 133 131 167 216 176 1 | | | | | | | | | | | | | | | | |
| Secretarion Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | _ | | | | | | | | | | | | | | | |
| Beadground 13 37 0 0 0 140 99 85 61 27 0 0 0 0 142 75 | | | | 13 | | | 0 | 237 | 99 | 85 | 6 | 27 | 0 | | | |
| B | 7 | Sheraton / Harbor Island Drive | Airport | 0 | 56 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 153 |
| Besignorum | | | Background | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Facebound Color Col | | | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway Laurel Street / North Harbor Drive Background 0 519 66 56 57 0 0 0 0 248 0 152 05 259 Laurel Street / North Harbor Drive Background 0 0 10 0 28 0 0 4 20 158 0 0 0 248 0 0 0 0 248 0 0 0 0 248 0 0 0 0 248 0 0 0 0 0 248 0 0 0 0 0 248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Amport 78 73 0 0 94 11 6 78 48 0 152 0 537 | | | | | | | | | | | | | | | | |
| Background 0 519 88 585 597 0 0 0 0 288 0 65 1,531 | _ | Capadran Street / Desifie Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 1 | 9 | Sassairas Street / Pacific Highway | | | | | | | | | | | | | | |
| 10 Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 0 | — | | | | | | | | | | | _ | | | | |
| Hawthorn Street / North Harbor Drive Frost | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | '0 | Laurer Gueet, Horal Harbot Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Alignort 0 243 0 0 747 0 0 0 0 0 0 70 0 1702 1700 | | | | _ | | | | | | | | | | | | |
| Background O 68 O O 380 O O O 79 O 1,367 1,934 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 0 233 109 874 509 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Col. 10 103 372 255 Col. | | | Total | | | 109 | | 509 | | | | 0 | | 0 | | |
| Total | 12 | Grape Street / North Harbor Drive | Airport | | 243 | | 502 | 254 | | | | 0 | 0 | | | 1,005 |
| Airport 10 10 10 10 10 10 10 1 | | | | | | | | | | | | | | | | |
| Background 11 323 101 93 284 313 14 242 2 51 357 80 1,881 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Pacific Hi | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 130 59 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background | 14 | Houthorn Stroot / Basific Highway | | | | | | | | | | | | | | |
| Total | 14 | nawinom Sireet / Pacific highway | | | | | | | | | | | | | | |
| Separa Pacific Highway Airport O | | | | | | | | | | | | | | | | |
| Background O | 15 | Grape Street / Pacific Highway | | | | | | | | | | | _ | | | |
| Total | | | | | | | | | | | | | | | | |
| Background O O O C S7 355 269 O 343 49 44 196 O 1,513 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 171 90 0 0 0 173 2,793 0 3,227 | 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 0 | 347 | 0 | 350 | 0 | 2 | 82 | 0 | 784 |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | | 257 | 355 | 269 | 0 | 343 | 49 | | 196 | 0 | 1,513 |
| Background Background O O O O 0 169 90 O O O 173 2218 O 2,650 | | | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | _ | | | | |
| Background Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background Background Final Fi | 40 | Ones a Otracat / Matter as Basiles and | | | | | | | | | | | | | | |
| Part | 18 | Grape Street / Kettner Boulevard | | _ | | | | | | | | | _ | | | |
| Marport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background Figure | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Number Total 48 46 0 0 0 0 0 0 0 0 0 | I | po ococr. o ococinouna on rump (1) | | | | | | | | | | | | | | |
| Alimont Alim | | | | | | | | | | | | | | | | |
| Background 48 46 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Total 95 135 23 0 0 0 526 386 47 0 259 231 1,702 | | <u> </u> | | 48 | 46 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 77 | |
| Background State Street | | | Total | | | | | | | | | | | | | |
| Total O O O O O O O O O | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 0 350 44 0 22 22 0 45 0 483 | | | | | | | | | | | | | | | | |
| Background Background Sakground Sa | | Conserved Character (Matter Co.) | | | | | | | | | | | | | | |
| Total 223 919 12 0 0 0 125 28 58 0 34 22 1,421 | 22 | Sassarras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street | — | | | _ | _ | _ | | | | _ | | | | | | |
| Background | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Author Column C | - | Guddando Gudet / India Gueet | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Total 94 16 155 29 7 20 24 0 258 360 162 53 1,178 | |] | | | | | | | | | | | | | | |
| 25 Washington Street / Pacific Highway NB-Ramps (1) | | | Total | 94 | 16 | 155 | 29 | 7 | 20 | 24 | 0 | | 360 | 162 | 53 | |
| Total 0 297 120 351 418 0 358 167 134 0 0 0 0 1,845 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | 57 | | | | | | | | 0 | | |
| Airport 0 78 18 0 90 0 0 0 12 0 0 0 198 | | | | | | | | | | | | | | | | |
| Background O 219 102 351 328 O 358 167 122 O O O 0 1,647 | | | | | | | | | | | | | | | | |
| Total 107 637 0 0 565 553 0 0 0 194 225 8 2,289 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 89 578 0 0 487 553 0 0 0 182 225 8 2,122 | 27 | Washington Street / San Diago Avenu- | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | 21 | vvasiiiigion sireet/ san Diego Avende | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 9 0 3 1 0 1 0 12 2 0 31 Background 237 174 252 116 167 71 63 182 151 302 151 89 1,955 Total 16 122 99 14 114 15 155 671 30 125 627 40 2,028 RosecransStreet / Nimitz Boulevard Airport 0 79 94 0 100 0 0 0 0 0 119 0 0 392 | | | | | | | | | | | | | | | | |
| Background 237 174 252 116 167 71 63 182 151 302 151 89 1,955 Total 16 122 99 14 114 15 155 671 30 125 627 40 2,028 RosecransStreet / Nimitz Boulevard Airport 0 79 94 0 100 0 0 0 0 0 119 0 0 392 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | - | 1.0005.0.10 Ottoot/ 1 doing i lighway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 79 94 0 100 0 0 0 0 119 0 0 392 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | 0 | | | | 0 | 0 | |
| | | | | 16 | 43 | | 14 | 14 | 15 | 155 | 671 | 30 | | 627 | 40 | |

Source: HNTB, 2007 Note:

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr

wbt wbr2

Table D-45 2015 Intersection Turning Volumes – PM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|--|-------------|-----|-------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| | | Total | 0 | 0 | 0 | 478 | 0 | 55 | 44 | 677 | 0 | 17 | 674 | 897 | 2,842 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 32 | 0 | 0 | 36 | 191 | 434 |
| | | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| - | | | 0 | 0 | 0 | 510 | 0 | 257 | 39 | 967 | 0 | 0 | 1,010 | 111 | 2,894 |
| | | Total | | | | | | | | | | | | | |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 96 | 0 | 82 | 8 | 199 | 0 | 0 | 146 | 49 | 580 |
| | | Background | 0 | 0 | 0 | 414 | 0 | 175 | 31 | 768 | 0 | 0 | 864 | 62 | 2,314 |
| | | Total | 7 | 0 | 25 | 121 | 0 | 21 | 83 | 1,788 | 20 | 6 | 1,155 | 0 | 3,226 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 121 | 0 | 21 | 83 | 213 | 0 | 0 | 174 | 0 | 612 |
| | , · | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,575 | 20 | 6 | 981 | 0 | 2,614 |
| - | | Total | 160 | 4 | 337 | 21 | 9 | 70 | 65 | 1,737 | 131 | 467 | 1,395 | 0 | 4,396 |
| | | | | | | | | | | | | | | | |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 4 | 53 | 21 | 9 | 70 | 65 | 248 | 20 | 57 | 555 | 0 | 1,115 |
| | | Background | 147 | 0 | 284 | 0 | 0 | 0 | 0 | 1,489 | 111 | 410 | 840 | 0 | 3,281 |
| | | Total | 0 | 0 | 0 | 103 | 0 | 219 | 62 | 2,032 | 0 | 0 | 2,202 | 246 | 4,864 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 103 | 0 | 219 | 62 | 259 | 0 | 0 | 952 | 246 | 1,841 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | | | | | | | | | | | | | | |
| | | Total | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 2,959 | 87 | 100 | 2,345 | 14 | 5,742 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 1,186 | 87 | 100 | 1,095 | 14 | 2,719 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 23 | 423 | 0 | 0 | 537 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,157 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 70 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| , | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| | | Background | 23 | 353 | 0 | 0 | 451 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,001 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 136 | 1 | 364 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 18 | 0 | 0 | 15 | 1 | 157 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 72 | 1,028 | 424 | 150 | 1,137 | 9 | 15 | 203 | 102 | 202 | 127 | 54 | 3,523 |
| 9 | Saccafrae Street / Danific Highway | Airport | 72 | 87 | 0 | 0 | 78 | 9 | 15 | 203 | 102 | 0 | 127 | 0 | 693 |
| 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| | | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,176 | 2,019 | 0 | 0 | 1,684 | 102 | 5,068 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 481 | 824 | 0 | 0 | 758 | 0 | 2,063 |
| | | Background | 0 | 0 | 0 | 76 | 0 | 11 | 695 | 1,195 | 0 | 0 | 926 | 102 | 3,005 |
| — | | | | | | | | 0 | | 0 | | | 0 | | |
| ا ا | 11 | Total | 0 | 588 | 0 | 0 | 2,153 | | 0 | | 0 | 145 | | 1,167 | 4,053 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 195 | 0 | 0 | 824 | 0 | 0 | 0 | 0 | 9 | 0 | 563 | 1,591 |
| | | Background | 0 | 393 | 0 | 0 | 1,329 | 0 | 0 | 0 | 0 | 136 | 0 | 604 | 2,462 |
| | · | Total | 0 | 648 | 261 | 1,200 | 1,092 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,201 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 195 | 10 | 555 | 278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,038 |
| 12 | Grape Greet/ North Harbor Drive | | | | | | | | | | | | | | |
| | | Background | 0 | 453 | 251 | 645 | 814 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,163 |
| | | Total | 131 | 718 | 174 | 166 | 574 | 438 | 508 | 769 | 62 | 58 | 886 | 85 | 4,569 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 56 | 3 | 8 | 77 | 94 | 97 | 384 | 0 | 2 | 357 | 6 | 1,084 |
| | | Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 3,485 |
| | | Total | 145 | 705 | 0 | 0 | 658 | 61 | 0 | 0 | 0 | 152 | 1,112 | 88 | 2,921 |
| | 11 | | | | | | | | | | | | | | |
| 14 | Hawthorn Street / Pacific Highway | Airport | 104 | 57 | 0 | 0 | 71 | 9 | 0 | 0 | 0 | 0 | 458 | 3 | 702 |
| | | Background | 41 | 648 | 0 | 0 | 587 | 52 | 0 | 0 | 0 | 152 | 654 | 85 | 2,219 |
| | | Total | 0 | 755 | 504 | 280 | 639 | 0 | 57 | 1,748 | 44 | 0 | 0 | 0 | 4,027 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 151 | 0 | 1 | 70 | 0 | 10 | 511 | 44 | 0 | 0 | 0 | 787 |
| | 3 ., | Background | 0 | 604 | 504 | 279 | 569 | 0 | 47 | 1,237 | 0 | 0 | 0 | 0 | 3,240 |
| - | | | | 0 | | | | | | | | | | | |
| | | Total | 0 | | 0 | 313 | 664 | 650 | 0 | 976 | 86 | 65 | 335 | 0 | 3,089 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 2 | 0 | 278 | 0 | 395 | 0 | 4 | 86 | 0 | 765 |
| | | Background | 0 | 0 | 0 | 311 | 664 | 372 | 0 | 581 | 86 | 61 | 249 | 0 | 2,324 |
| | | Total | 0 | 0 | 0 | 0 | 445 | 79 | 0 | 0 | 0 | 213 | 1,549 | 0 | 2,286 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 461 | 0 | 465 |
| ., | Tiawaioiii oa cet / Tetalei Boalevara | | 0 | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | |
| | | Background | | | | | | | | | | | | | 1,821 |
| | | Total | 0 | 0 | 0 | 254 | 554 | 0 | 0 | 3,275 | 95 | 0 | 0 | 0 | 4,178 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 499 | 13 | 0 | 0 | 0 | 516 |
| | | Background | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 2,776 | 82 | 0 | 0 | 0 | 3,662 |
| | | Total | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 541 | 2,166 | 0 | 0 | 0 | 3,291 |
| 19 | Crono Stroot / LE Southhound On Romn (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 499 | 0 | 0 | 0 | 503 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| | | Background | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 537 | 1,667 | 0 | 0 | 0 | 2,788 |
| 1 | | Total | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,541 | 60 | 1,701 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 458 | 0 | 458 |
| | · · | Background | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,083 | 60 | 1,243 |
| | | Total | 109 | 361 | 106 | 0 | 0 | 0 | 745 | 560 | 55 | 0 | 323 | 317 | 2,576 |
| 21 | Laurel Street / India Street | Airport | 55 | 4 | 0 | 0 | 0 | 0 | 303 | 40 | 55 | 0 | 35 | 0 | 492 |
| - 1 | Laurer Orrect / Illula Otrect | | | | | | | | | | | | | | |
| | | Background | 54 | 357 | 106 | 0 | 0 | 0 | 442 | 520 | 0 | 0 | 288 | 317 | 2,084 |
| | | Total | 0 | 0 | 0 | 189 | 1,804 | 270 | 0 | 249 | 117 | 97 | 102 | 0 | 2,828 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 280 | 41 | 0 | 66 | 67 | 0 | 41 | 0 | 495 |
| | | Background | 0 | 0 | 0 | 189 | 1,524 | 229 | 0 | 183 | 50 | 97 | 61 | 0 | 2,333 |
| | | Total | 208 | 1,544 | 36 | 0 | 0 | 0 | 344 | 69 | 126 | 0 | 15 | 18 | 2,360 |
| 22 | Connefran Chroat / India Charact | | | 306 | | 0 | 0 | | 101 | 0 | | 0 | | 0 | |
| 23 | Sassafras Street / India Street | Airport | 64 | | 0 | | | 0 | | | 0 | | 0 | | 471 |
| | | Background | 144 | 1,238 | 36 | 0 | 0 | 0 | 243 | 69 | 126 | 0 | 15 | 18 | 1,889 |
| 1 | | Total | 0 | 0 | 0 | 527 | 53 | 12 | 0 | 240 | 56 | 219 | 99 | 0 | 1,206 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 37 | 14 | 61 | 62 | 0 | 175 |
| l l | | Background | 0 | 0 | 0 | 527 | 53 | 11 | 0 | 203 | 42 | 158 | 37 | 0 | 1,031 |
| | | Total | 52 | 36 | 270 | 63 | 60 | 8 | 60 | 15 | 649 | 378 | 234 | 66 | 1,891 |
| | Washington Otract/ Basic 1811 192 5 | | | | | | | | | | | | | | |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 17 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 37 | 106 | 0 | 0 | 230 |
| | | Background | 35 | 36 | 200 | 63 | 60 | 8 | 60 | 15 | 612 | 272 | 234 | 66 | 1,661 |
| | | Total | 0 | 742 | 179 | 376 | 423 | 0 | 562 | 335 | 162 | 0 | 0 | 0 | 2,779 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 90 | 17 | 0 | 85 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 213 |
| _~ | Tradimigram du dat / Transcort du dat | Background | 0 | 652 | 162 | 376 | | 0 | 562 | 335 | 141 | 0 | 0 | 0 | 2,566 |
| | | | | | | | 338 | | | | | | | | |
| | | Total | 208 | 1,264 | 0 | 0 | 596 | 504 | 0 | 0 | 0 | 207 | 304 | 18 | 3,101 |
| 27 | Washington Street / San Diego Avenue | Airport | 17 | 72 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 174 |
| | - · · | Background | 191 | 1,192 | 0 | 0 | 532 | 504 | 0 | 0 | 0 | 186 | 304 | 18 | 2,927 |
| | | Total | 418 | 341 | 756 | 141 | 163 | 78 | 119 | 485 | 180 | 257 | 315 | 134 | 3,387 |
| 20 | Pagagrana Stroot / Pagific Highway | | | | | | | | | | | | | | |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 31 |
| | | Background | 418 | 338 | 745 | 141 | 160 | 78 | 118 | 483 | 180 | 247 | 314 | 134 | 3,356 |
| | | Total | 18 | 205 | 124 | 11 | 92 | 11 | 348 | 852 | 34 | 183 | 643 | 52 | 2,573 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 87 | 104 | 0 | 80 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 366 |
| " | | Background | 18 | 118 | 20 | 11 | 12 | 11 | 348 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| <u></u> | ITD 0007 | Dauryiuuilu | 10 | 110 | 20 | | 12 | | J+0 | UJZ | J4 | UÜ | U#J | JZ | 2,201 |
| Source: HN | NTB. 2007 | | | | | | | | | | | | | | |

ebr ebt

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-46 2020 Intersection Turning Volumes – AM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|------------|--|------------|-----|-----|-----|-----|-------|-----|-----|-------|-------|-----|-------|-------|-------|
| | | Total | 0 | 0 | 0 | 710 | 0 | 30 | 14 | 540 | 0 | 9 | 835 | 395 | 2,533 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 43 | 0 | 0 | 33 | 191 | 508 |
| L | | Background | 0 | 0 | 0 | 469 | 0 | 30 | 14 | 497 | 0 | 9 | 802 | 204 | 2,025 |
| | - | Total | 0 | 0 | 0 | 144 | 0 | 129 | 204 | 738 | 0 | 0 | 822 | 458 | 2,495 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 59 | 0 | 97 | 12 | 272 | 0 | 0 | 128 | 69 | 637 |
| | | Background | 0 | 0 | 0 | 85 | 0 | 32 | 192 | 466 | 0 | 0 | 694 | 389 | 1,858 |
| | | Total | 5 | 0 | 18 | 65 | 0 | 12 | 113 | 847 | 6 | 18 | 1,653 | 0 | 2,737 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 65 | 0 | 12 | 113 | 217 | 0 | 0 | 186 | 0 | 593 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 630 | 6 | 18 | 1,467 | 0 | 2,144 |
| | | Total | 46 | 6 | 153 | 19 | 11 | 80 | 86 | 751 | 93 | 247 | 2,182 | 0 | 3,674 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 6 | 40 | 19 | 11 | 80 | 86 | 176 | 21 | 66 | 730 | 0 | 1,248 |
| 7 | Notti Harbor Brive / Harbor Island Brive | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | 575 | 72 | 181 | 1,452 | 0 | 2,426 |
| | | | | 0 | | | | | | | | | | | |
| - | North Hocker Drive / Minchie Leas | Total | 0 | | 0 | 91 | 0 | 200 | 71 | 853 | 0 | 0 | 2,886 | 280 | 4,381 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 91 | 0 | 200 | 71 | 164 | 0 | 0 | 1,253 | 280 | 2,059 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,633 | 0 | 2,322 |
| | | Total | 70 | 0 | 56 | 10 | 0 | 14 | 16 | 1,927 | 87 | 147 | 3,082 | 19 | 5,428 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 70 | 0 | 56 | 10 | 0 | 14 | 16 | 1,238 | 87 | 147 | 1,449 | 19 | 3,106 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,633 | 0 | 2,322 |
| | | Total | 13 | 120 | 0 | 0 | 253 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 603 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 58 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 157 |
| | | Background | 13 | 62 | 0 | 0 | 154 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 446 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 98 | 0 | 0 | 72 | 1 | 291 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 16 | 0 | 0 | 21 | 1 | 158 |
| | 1.7 | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 51 | 0 | 133 |
| | | Total | 85 | 600 | 85 | 50 | 605 | 12 | 6 | 83 | 51 | 233 | 166 | 61 | 2,037 |
| 9 | Sassafras Street / Pacific Highway | Airport | 85 | 83 | 0 | 0 | 108 | 12 | 6 | 83 | 51 | 0 | 166 | 0 | 594 |
| 9 | oassanas oneen racino riignway | | 0 | 517 | | 50 | 497 | 0 | 0 | 0 | 0 | | 0 | 61 | |
| | | Background | | | 85 | | | | | | | 233 | | | 1,443 |
| | Laured Office (AL) | Total | 0 | 0 | 0 | 23 | 0 | 4 | 499 | 1,306 | 0 | 0 | 2,192 | 44 | 4,068 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 478 | 827 | 0 | 0 | 1,037 | 0 | 2,342 |
| | | Background | 0 | 0 | 0 | 23 | 0 | 4 | 21 | 479 | 0 | 0 | 1,155 | 44 | 1,726 |
| | | Total | 0 | 338 | 0 | 0 | 1,249 | 0 | 0 | 0 | 0 | 109 | 0 | 2,472 | 4,168 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 267 | 0 | 0 | 827 | 0 | 0 | 0 | 0 | 11 | 0 | 770 | 1,875 |
| | | Background | 0 | 71 | 0 | 0 | 422 | 0 | 0 | 0 | 0 | 98 | 0 | 1,702 | 2,293 |
| | | Total | 0 | 276 | 103 | 944 | 547 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,870 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 267 | 9 | 556 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,114 |
| | Grape Grader Herri Harber Brive | Background | 0 | 9 | 94 | 388 | 265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 756 |
| | | Total | 46 | 430 | 124 | 94 | 318 | 415 | 108 | 596 | 1 | 47 | 782 | 59 | 3,020 |
| 13 | Laurel Street / Pacific Highway | | 0 | 65 | 10 | 4 | 43 | 111 | 96 | 381 | 0 | 2 | 467 | 6 | 1,185 |
| 13 | Laurer Street / Facility Highway | Airport | | | | 90 | | | | | | 45 | | | |
| | | Background | 46 | 365 | 114 | | 275 | 304 | 12 | 215 | 1 | | 315 | 53 | 1,835 |
| 1 ,. | | Total | 142 | 276 | 0 | 0 | 216 | 73 | 0 | 0 | 0 | 294 | 2,174 | 102 | 3,277 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 142 | 68 | 0 | 0 | 33 | 11 | 0 | 0 | 0 | 0 | 628 | 6 | 888 |
| | | Background | 0 | 208 | 0 | 0 | 183 | 62 | 0 | 0 | 0 | 294 | 1,546 | 96 | 2,389 |
| 1 | | Total | 0 | 703 | 195 | 191 | 1,063 | 0 | 84 | 1,018 | 48 | 0 | 0 | 0 | 3,302 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 202 | 0 | 0 | 33 | 0 | 9 | 508 | 48 | 0 | 0 | 0 | 800 |
| | | Background | 0 | 501 | 195 | 191 | 1,030 | 0 | 75 | 510 | 0 | 0 | 0 | 0 | 2,502 |
| | | Total | 0 | 0 | 0 | 438 | 597 | 834 | 0 | 697 | 43 | 39 | 257 | 0 | 2,905 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 6 | 0 | 381 | 0 | 395 | 0 | 3 | 94 | 0 | 879 |
| | | Background | 0 | 0 | 0 | 432 | 597 | 453 | 0 | 302 | 43 | 36 | 163 | 0 | 2,026 |
| | | Total | 0 | 0 | 0 | 0 | 288 | 152 | 0 | 0 | 0 | 181 | 2,957 | 0 | 3,578 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 634 | 0 | 637 |
| '' | Hawaioin Gaeet/ Nettilei Doulevalu | | 0 | 0 | 0 | 0 | 285 | 152 | 0 | 0 | 0 | 181 | 2,323 | 0 | 2,941 |
| \vdash | | Background | | | | | | | | | | | | | |
| 40 | Crops Street / K-th D | Total | 0 | 0 | 0 | 135 | 671 | 0 | 0 | 1,563 | 104 | 0 | 0 | 0 | 2,473 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 500 | 8 | 0 | 0 | 0 | 511 |
| | | Background | 0 | 0 | 0 | 132 | 671 | 0 | 0 | 1,063 | 96 | 0 | 0 | 0 | 1,962 |
| 1 | | Total | 121 | 159 | 136 | 0 | 0 | 0 | 38 | 390 | 1,106 | 0 | 0 | 0 | 1,950 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 500 | 0 | 0 | 0 | 503 |
| | | Background | 121 | 159 | 136 | 0 | 0 | 0 | 38 | 387 | 606 | 0 | 0 | 0 | 1,447 |
| | · | Total | 52 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,371 | 69 | 2,541 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 630 | 0 | 630 |
| | · | Background | 52 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,741 | 69 | 1,911 |
| | | Total | 93 | 109 | 18 | 0 | 0 | 0 | 514 | 331 | 62 | 0 | 252 | 219 | 1,598 |
| 21 | Laurel Street / India Street | Airport | 50 | 3 | 0 | 0 | 0 | 0 | 303 | 36 | 62 | 0 | 47 | 0 | 501 |
| - ' | Zaaror ou oot / maia ou oot | Background | 43 | 106 | 18 | 0 | 0 | 0 | 211 | 295 | 0 | 0 | 205 | 219 | 1,097 |
| \vdash | | | 0 | 0 | 0 | 274 | 2,699 | 774 | 0 | 61 | 55 | 137 | 107 | 0 | 4,107 |
| 22 | Sassafras Street / Kettner Boulevard | Total | 0 | 0 | 0 | 0 | | 51 | 0 | 25 | | 0 | 52 | 0 | 541 |
| 22 | Sassairas Street / Kettner Boulevard | Airport | _ | | | _ | 387 | _ | | _ | 26 | _ | | | |
| — | | Background | 0 | 0 | 0 | 274 | 2,312 | 723 | 0 | 36 | 29 | 137 | 55 | 0 | 3,566 |
| 1 | | Total | 203 | 834 | 10 | 0 | 0 | 0 | 127 | 27 | 57 | 0 | 37 | 23 | 1,318 |
| 23 | Sassafras Street / India Street | Airport | 83 | 306 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 430 |
| | | Background | 120 | 528 | 10 | 0 | 0 | 0 | 86 | 27 | 57 | 0 | 37 | 23 | 888 |
| | | Total | 0 | 0 | 0 | 226 | 40 | 65 | 0 | 93 | 48 | 178 | 198 | 0 | 848 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 20 | 83 | 49 | 0 | 206 |
| | | Background | 0 | 0 | 0 | 226 | 40 | 65 | 0 | 39 | 28 | 95 | 149 | 0 | 642 |
| | | Total | 70 | 11 | 129 | 31 | 7 | 21 | 27 | 0 | 288 | 382 | 166 | 54 | 1,186 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 13 | 0 | 63 | 0 | 0 | 0 | 1 | 0 | 53 | 118 | 0 | 0 | 248 |
| | | Background | 57 | 11 | 66 | 31 | 7 | 21 | 26 | 0 | 235 | 264 | 166 | 54 | 938 |
| | | Total | 0 | 315 | 129 | 394 | 469 | 0 | 473 | 221 | 179 | 0 | 0 | 0 | 2,180 |
| 26 | Washington Street / Hansonk Street | | | | | | | | | | | | | | |
| 20 | Washington Street / Hancock Street | Airport | 0 | 91 | 25 | 1 | 102 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 236 |
| | | Background | 0 | 224 | 104 | 393 | 367 | 0 | 473 | 221 | 162 | 0 | 0 | 0 | 1,944 |
| | | Total | 124 | 713 | 0 | 0 | 674 | 668 | 0 | 0 | 0 | 206 | 233 | 8 | 2,626 |
| 27 | Washington Street / San Diego Avenue | Airport | 25 | 66 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 194 |
| | | Background | 99 | 647 | 0 | 0 | 588 | 668 | 0 | 0 | 0 | 189 | 233 | 8 | 2,432 |
| | | Total | 206 | 154 | 229 | 99 | 146 | 61 | 64 | 182 | 150 | 345 | 168 | 98 | 1,902 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 4 | 1 | 1 | 2 | 0 | 13 | 2 | 0 | 36 |
| | | Background | 206 | 151 | 219 | 99 | 142 | 60 | 63 | 180 | 150 | 332 | 166 | 98 | 1,866 |
| | | Total | 20 | 139 | 111 | 35 | 146 | 37 | 124 | 536 | 24 | 137 | 551 | 35 | 1,895 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 87 | 104 | 0 | 110 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 432 |
| _~ | | Background | 20 | 52 | 7 | 35 | 36 | 37 | 124 | 536 | 24 | 6 | 551 | 35 | 1,463 |
| 0 | ITD 0007 | Dackground | 20 | JZ | | JÜ | | JI | 124 | 550 | 24 | U | JUI | JU | 1,+03 |
| Source: HN | NID. 2007 | | | | | | | | | | | | | | |

67

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl ebr ebt

Table D-47 2020 Intersection Turning Volumes – PM Peak Hour – Implementation Plan

| Table | | | 1 | | NE- | NET | 05: | 05- | 05- | | === | === | 147= : | | 14/5-5 | _ |
|--|------------|--|------------|------|-----|-----|-----|-----|-----|-----|-------|-----|--------|-------|--------|-------|
| Nerri Harbor Drive / Nerri Gold Report 0 0 0 0 0 0 0 0 0 | Int# | | <u> </u> | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| North Harbor Drive / McCan St. September 0 0 0 0 0 0 0 0 0 | | | | _ | | | | | | | | | | | | |
| Columbia | | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Separation Process P | 11 | | | | | | | | | | | | | | | |
| Property | | | | | | | | | | | | | | | | |
| North Harbor Drive / Spenish Lunding | 2 | North Harbor Drive / McCain St | Airport | | | | | | | | | | | | | |
| Appendix | | | | | | | | | | | | | | | | |
| ## A Secretary Part | | | Total | | | | | | | | | | | | | |
| Seargerund 7, 0 2, 2 0 0 0 0 0 0 0 0 0 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| A | | | | | | | | | 0 | | | | | | | 2,832 |
| Append | | | | 166 | 5 | | 21 | 10 | 76 | 72 | 1,922 | | 481 | 1,493 | 0 | 4,738 |
| North Harbor Drive / Winshig Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | 53 | 21 | 10 | 76 | 72 | | 21 | 57 | | 0 | |
| North Harbor Drive / Winshig Lane | | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,650 | 124 | 424 | 873 | 0 | 3,517 |
| Sesseption Section S | | | Total | 0 | 0 | 0 | 111 | 0 | 237 | 64 | 2,228 | 0 | 0 | 2,351 | 270 | 5,261 |
| Background 0 0 0 0 0 0 0 0 0 | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 111 | 0 | 237 | 64 | 283 | 0 | 0 | 1,053 | 270 | 2,018 |
| North Harbor Drove / Rental Car Road Angoni March Angoni Mar | | • | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | |
| Bestspand August 150 Color 108 22 Color 168 15 17.08 160 1711 1271 141 12.09 172 | | | | | | | | | | | | | 111 | | | |
| Selection Harbor Island Drive Eachground Co. | 6 | North Harbor Drive / Rental Car Road | | 96 | 0 | | | 0 | | 15 | | | 111 | | | |
| Sherator / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Page | | | | | 441 | | | 566 | 70 | | | 25 | | | 0 | |
| Besignond 23 560 0 0 478 70 77 27 25 0 0 0 1,044 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bengloyee Lof / Harbor Island Orne Total 0 0 0 0 0 5 68 80 100 0 0 17 17 17 17 17 | | | | | | | | | | | | | | | | |
| Bernplayer Lot Hardron Faland Drive Amphot O O O O O O O O O | | | | | | | | | | | | | | | | |
| Sessifical Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Fighway | ŭ | Employee Lot? Harbor Island Brive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway Factor 78 100 0 0 89 10 10 218 110 0 33 0 760 760 101 1278 138 101 10 | | | | | | | | | | | | | | | | |
| Besignound 0 637 422 334 944 0 0 0 0 0 10 10 51 2679 | ۵ | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Apport 0 0 0 0 0 0 0 0 0 | ľ | Caccanac Caccan admic i ligitway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Alignort 0 0 0 0 0 0 0 0 0 | \vdash | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Apport 0 218 0 0 0 0 0 0 181 0 1,373 4,690 | 10 | Laurer Street / NORTH Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 215 0 0 0 0 0 0 0 12 0 0 0 2,807 | \vdash | | | | | | | | | | | | | | | |
| Pack | 4.4 | Housthorn Street / North Horton Drive | | | | | | | | | | | | | | |
| Total O 832 246 1,283 1,195 O O O O O O O O O | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Airport Airp | \vdash | | | | | | | | | | | | | | | |
| Background 10 | | O Ot / N " | | | | | | | | | | | | | | |
| Total 148 812 200 162 568 438 472 768 55 55 52 863 75 4,613 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | \vdash | | | | | | | | | | | | | | | |
| Background 148 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 115 67 0 0 0 0 0 0 0 0 0 | \vdash | | | | | | | | | | | | | | | |
| Background 46 728 0 0 0 66 59 0 0 0 6167 719 93 2.478 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport Seasor Airport Seasor Airport Seasor Seasor Airport | | | | | | | | | | | | | | | |
| Background Color | | | | | | | | | | | | | | | | |
| Total O O O Sept 1,116 933 O 953 76 58 308 O 3,971 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport O | | | | | | | | | | | | | | | | |
| Background O | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | L | | Background | | | | 523 | | 626 | | 512 | | | | | |
| Background Background Color Co | | | Total | | 0 | 0 | | | 134 | | 0 | | | | 0 | 2,755 |
| Background Background Color Co | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 510 | 0 | 517 |
| Total | | | | | 0 | | | | 134 | | | | | | | |
| Airport 0 0 0 0 6 1 0 0 0 570 | | | | | | | | | | | | | | | | |
| Background Background Background Color 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 183 348 340 0 0 0 23 483 2038 0 0 0 0 3.415 | | | | | | | | | | | | | | | | |
| Separage Grape Street / I-S Southbound On-Ramp (1) | | | | | | | | | | | | | | | | |
| Background 183 348 340 0 0 0 0 23 479 1487 0 0 0 0 2,8670 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | _ | | |
| Total | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | |
| Airport December Found Airport December Dec | | | | | | | | | | | | | | | | |
| Background 42 65 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Column C | | | | | | | | | | | _ | | | | | |
| Column | \vdash | | | | | | | | | | | | | | | |
| Background 43 285 84 0 0 0 389 435 0 0 274 301 1,791 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Total O O O O 452 3,950 595 O 250 123 96 109 O 5,575 | - ' | Lucio Greet / Iliula Greet | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 22 | Saccafrac Street / Kottner Poulovard | | | | | | | | | | | | | | |
| Total 188 1,355 30 0 0 0 349 68 124 0 16 19 2,149 | 22 | Sassanas Sneed / Ketther Boulevard | | | | _ | _ | | | | | | _ | | | |
| Sassafras Street / India Street Airport 70 339 0 0 0 0 109 0 0 0 0 0 518 | \vdash | | | | | | | | | | | | | | | |
| Mashington Street / Pacific Highway SB-Ramps Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | -00 | Connefron Chro-t / In-dia Chro-t | | | | | | | | | | | | | | |
| Total 0 0 0 0 596 60 13 0 262 63 237 125 0 1.356 | 23 | Sassarras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 1 0 49 19 67 85 0 221 | \vdash | | | | | | | | | | | | | | | |
| Background O O O S96 60 12 O 213 44 170 40 O 0 1,135 | ٠. | Weekington Otrock/ Polific 1911 000 0 | | | | | | | | | | | | | | |
| Total 47 25 213 67 65 8 65 16 707 407 240 68 1,928 | 24 | vvasnington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Airport 24 0 77 0 0 0 0 1 0 49 129 0 0 0 280 | | | | | | | | | | | | | | | | |
| Background 23 25 136 67 65 8 64 16 658 278 240 68 1,648 | | | | | | | | | | | | | | | | |
| Total 0 770 189 421 479 0 742 443 215 0 0 0 3,259 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 770 189 421 479 0 742 443 215 0 0 0 3.2559 | | | | | | | | | | | | | | | | |
| Airport O 103 23 O 100 O O 0 29 O O O 255 | | | Total | 0 | | | 421 | 479 | 0 | 742 | 443 | 215 | | 0 | 0 | 3,259 |
| Total 237 1,416 0 0 714 609 0 0 0 222 315 20 3,533 | 26 | Washington Street / Hancock Street | | 0 | | 23 | | | 0 | | | | | 0 | 0 | 255 |
| Total 237 1,416 0 0 714 609 0 0 0 222 315 20 3,533 | | | | | 667 | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue Airport 23 80 0 0 71 0 0 0 0 29 0 1 204 Background 214 1,336 0 0 0 643 609 0 0 0 0 193 315 19 3,329 28 Rosecrans Street / Pacific Highway Airport 0 3 12 0 3 1 1 2 0 11 2 0 35 Background 363 294 648 120 136 67 117 480 178 272 346 147 3,168 29 RosecransStreet / Nimitz Boulevard Airport 0 2 241 138 28 119 28 278 680 27 183 566 46 2,356 Airport 0 0 0 0 0 0 0 0 0 | | | | 237 | | | | 714 | 609 | 0 | 0 | | 222 | 315 | 20 | 3,533 |
| Background 214 1,336 0 0 643 609 0 0 0 193 315 19 3,329 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Rosecrans Street / Pacific Highway Airport 0 3 12 0 3 1 1 2 0 11 2 0 35 | | | | | | | | | | | | | | | | |
| Background 363 294 648 120 136 67 117 480 178 272 346 147 3,168 Total 22 241 138 28 119 28 278 680 27 183 566 46 2,356 Airport 0 96 114 0 88 0 0 0 0 0 105 0 0 0 403 Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | | 1.03corano onece/ i aone i ngriway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | | | |
| Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | 29 | RosecransStreet / Nimitz Roulevard | | | | | | | | | | | | | | |
| | 20 | 110000141100110011 / INITIAL DOUISVALU | | | | | | | | | | | | | | |
| | Course 115 | ITD 2007 | Dackground | - 22 | 1+0 | 4 | 20 | JΙ | 20 | 210 | 000 | £1 | 10 | 500 | 70 | 1,000 |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr ebt

Table D-48 2025 Intersection Turning Volumes – AM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|--|-----------------------|-----------|------------|------------|----------|--------------|------------|------------|--|-----------|---|----------------|--------------|----------------|
| 111t# | | Total | 0 | 0 | 0 | 747 | 0 | 31 | 14 | 566 | 0 | 10 | 887 | 418 | 2,673 |
| | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 255 | 0 | 0 | 0 | 46 | 0 | 0 | 36 | 203 | 540 |
| 1 | | Background | 0 | 0 | 0 | 492 | 0 | 31 | 14 | 520 | 0 | 10 | 851 | 215 | 2,133 |
| | North Harber Drive / Magain Of | Total | 0 | 0 | 0 | 146 | 0 | 137 | 210 | 751 | 0 | 0 | 894 | 472 | 2,610 |
| 2 | North Harbor Drive / McCain St | Airport Background | 0 | 0 | 0 | 59 87 | 0 | 104 33 | 12 198 | 289 462 | 0 | 0 | 135 759 | 70 402 | 669 1,941 |
| | | Total | 5 | 0 | 18 | 71 | 0 | 13 | 123 | 854 | 6 | 18 | 1,749 | 0 | 2,857 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 71 | 0 | 13 | 123 | 224 | 0 | 0 | 192 | 0 | 623 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 630 | 6 | 18 | 1,557 | 0 | 2,234 |
| | | Total | 46 | 6 | 154 | 19 | 12 | 84 | 90 | 760 | 93 | 260 | 2,330 | 0 | 3,854 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 6 | 41 | 19 0 | 12 | 84 | 90 | 184 | 21 | 66 | 788 | 0 | 1,324 |
| | 1 | Background Total | 33 0 | 0 | 113 0 | 91 | 0 | 0 210 | 71 | 576 862 | 72 0 | 194 0 | 1,542 3,070 | 292 | 2,530 4,596 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 91 | 0 | 210 | 71 | 173 | 0 | 0 | 1,334 | 292 | 2,171 |
| L | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| | | Total | 74 | 0 | 60 | 10 | 0 | 14 | 16 | 2,007 | 93 | 157 | 3,273 | 19 | 5,723 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 0 | 0 | 60 0 | 10 0 | 0 | 14 0 | 16 0 | 1,318 689 | 93 0 | 157 0 | 1,537 1,736 | 19 0 | 3,298 2,425 |
| | | Background Total | 13 | 122 | 0 | 0 | 267 | 99 | 0 85 | 689 | 27 | 0 | 1,736 | 0 | 2,425 619 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 60 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| I | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| ı | Employee Later to the control of the | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 98 | 0 | 0 | 72 | 1 | 291 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 0 | 82 0 | 18 80 | 0 | 0 | 22 50 | 1 0 | 161 130 |
| \vdash | | Background Total | 90 | 638 | 91 | 0 57 | 0 676 | 13 | 6 | 88 | 55 | 268 | 50 176 | 70 | 2,228 |
| 9 | Sassafras Street / Pacific Highway | Airport | 90 | 90 | 0 | 0 | 117 | 13 | 6 | 88 | 55 | 0 | 176 | 0 | 635 |
| L | | Background | 0 | 548 | 91 | 57 | 559 | 0 | 0 | 0 | 0 | 268 | 0 | 70 | 1,593 |
| | 100 | Total | 0 | 0 | 0 | 15 | 0 | 3 | 530 | 1,330 | 0 | 0 | 2,312 | 46 | 4,236 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 510 | 878 | 0 | 0 | 1,098 | 0 | 2,486 |
| | | Background Total | 0 | 0 357 | 0 | 15 0 | 0 1,321 | 3 0 | 20 0 | 452 0 | 0 | 0 116 | 1,214 0 | 46 2,585 | 1,750 4,379 |
| 11 | Hawthorn Street / North Harbor Drive | Total Airport | 0 | 357 282 | 0 | 0 | 1,321 878 | 0 | 0 | 0 | 0 | 116 14 | 0 | 2,585 816 | 1,990 |
| L " 1 | | Background | 0 | 75 | 0 | 0 | 443 | 0 | 0 | 0 | 0 | 102 | 0 | 1,769 | 2,389 |
| | | Total | 0 | 291 | 110 | 1,000 | 582 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,983 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 282 | 11 | 590 | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,185 |
| ļ | <u></u> | Background | 0 | 9 | 99 | 410 | 280 | 0 | 110 | 0 | 0 | 0 | 0 | 0 | 798 |
| 13 | Laurel Street / Pacific Highway | Total Airport | 50 0 | 468 71 | 135 12 | 99 5 | 336 48 | 436 118 | 110 102 | 551 408 | 1 0 | 46 2 | 807 497 | 59 7 | 3,098 1,270 |
| '3 | Laurer ou set / r aunte riignway | Background | 50 | 397 | 123 | 94 | 288 | 318 | 102 8 | 143 | 1 | 44 | 310 | 52 | 1,270 |
| | | Total | 151 | 301 | 0 | 0 | 235 | 81 | 0 | 0 | 0 | 336 | 2,433 | 118 | 3,655 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 151 | 75 | 0 | 0 | 37 | 14 | 0 | 0 | 0 | 0 | 665 | 8 | 950 |
| | | Background | 0 | 226 | 0 | 0 | 198 | 67 | 0 | 0 | 0 | 336 | 1,768 | 110 | 2,705 |
| 15 | Grane Street / Basifia Historia | Total | 0 | 744 | 207 | 208 | 1,157 | 0 | 89 | 1,071 | 51 51 | 0 | 0 | 0 | 3,527 |
| 15 | Grape Street / Pacific Highway | Airport Background | 0 | 214 530 | 0 207 | 0 208 | 36 1,121 | 0 | 11 78 | 539 532 | 51 0 | 0 | 0 | 0 | 851 2,676 |
| | | Total | 0 | 0 | 0 | 378 | 511 | 792 | 78 0 | 722 | 42 | 41 | 267 | 0 | 2,676 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 8 | 0 | 404 | 0 | 425 | 0 | 4 | 102 | 0 | 943 |
| | | Background | 0 | 0 | 0 | 370 | 511 | 388 | 0 | 297 | 42 | 37 | 165 | 0 | 1,810 |
| | Herritan Or 11 to 1 | Total | 0 | 0 | 0 | 0 | 240 | 126 | 0 | 0 | 0 | 193 | 3,151 | 0 | 3,710 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 4 236 | 0 126 | 0 | 0 | 0 | 0 193 | 673 2.478 | 0 | 677 3.033 |
| | | Background Total | 0 | 0 | 0 | 126 | 622 | 126 0 | 0 | 1,612 | 106 | 193 | 2,478 0 | 0 | 3,033 2,466 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 532 | 8 | 0 | 0 | 0 | 544 |
| l | | Background | 0 | 0 | 0 | 122 | 622 | 0 | 0 | 1,080 | 98 | 0 | 0 | 0 | 1,922 |
| | | Total | 126 | 166 | 142 | 0 | 0 | 0 | 39 | 404 | 1,158 | 0 | 0 | 0 | 2,035 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 126 | 166 | 1/2 | 0 | 0 | 0 | 0 | 4 | 532 | 0 | 0 | 0 | 536 |
| | <u> </u> | Background Total | 126 55 | 166 53 | 142 0 | 0 | 0 | 0 | 39 0 | 400 0 | 626 0 | 0 | 0 2,403 | 0 69 | 1,499 2,580 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 669 | 0 | 2,580 669 |
| | <u> </u> | Background | 55 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,734 | 69 | 1,911 |
| | | Total | 102 | 115 | 19 | 0 | 0 | 0 | 535 | 336 | 72 | 0 | 257 | 221 | 1,657 |
| 21 | Laurel Street / India Street | Airport | 57 | 4 | 0 | 0 | 0 | 0 | 322 | 39 | 72 | 0 | 50 | 0 | 544 |
| | | Background Total | 45 0 | 111 0 | 19 0 | 0 243 | 0 2,457 | 0 696 | 213 0 | 297 68 | 0 60 | 0 139 | 207 112 | 221 0 | 1,113 3,775 |
| 22 | Sassafras Street / Kettner Boulevard | I otal Airport | 0 | 0 | 0 | 243 | 2,457 412 | 696 56 | 0 | 68 28 | 28 | 139 | 112 56 | 0 | 3,775 580 |
| | 2000000 Ouroet / Nettrier Dutlevdlu | Background | 0 | 0 | 0 | 243 | 2,045 | 640 | 0 | 40 | 32 | 139 | 56 | 0 | 3,195 |
| | | Total | 207 | 848 | 10 | 0 | 0 | 0 | 132 | 28 | 58 | 0 | 40 | 26 | 1,349 |
| 23 | Sassafras Street / India Street | Airport | 88 | 326 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 458 |
| | | Background | | 522 | 10 | 0 | 0 | 0 | 88 | 28 | 58 51 | 0 | 40 | 26 | 891 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total Airport | 0 | 0 | 0 | 201 | 35 0 | 58 1 | 0 | 102 64 | 51 24 | 189 88 | 216 57 | 0 | 852 234 |
| 4 4 | Tradinington oneet/ Facility nighway 58-Ramps | Airport Background | 0 | 0 | 0 | 0 201 | 35 | 57 | 0 | 64 38 | 27 | 88 101 | 57 159 | 0 | 618 |
| | | Total | 44 | 5 | 99 | 31 | 7 | 22 | 29 | 0 | 314 | 392 | 165 | 54 | 1,162 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 16 | 0 | 67 | 0 | 0 | 0 | 1 | 0 | 63 | 130 | 0 | 0 | 277 |
| | | Background | 28 | 5 | 32 | 31 | 7 | 22 | 28 | 0 | 251 | 262 | 165 | 54 | 885 |
| | West-instance or account of the | Total | 0 | 323 | 134 | 388 | 471 | 0 | 531 | 248 | 202 | 0 | 0 | 0 | 2,297 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 100 | 30 104 | 1 387 | 110 361 | 0 | 0 531 | 0 248 | 20 182 | 0 | 0 | 0 | 261 |
| | | Background Total | 0 128 | 223 708 | 104 0 | 387 0 | 361 702 | 0 693 | 531 0 | 248 0 | 182 0 | 202 | 0 225 | 0 8 | 2,036 2,666 |
| 27 | Washington Street / San Diego Avenue | Airport | 30 | 708 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 202 | 0 | 0 | 2,666 |
| =- | Jan 2022 Can Siego Avenue | Background | 98 | 637 | 0 | 0 | 611 | 693 | 0 | 0 | 0 | 182 | 225 | 8 | 2,454 |
| | | Total | 209 | 156 | 234 | 100 | 148 | 62 | 65 | 186 | 152 | 348 | 169 | 98 | 1,927 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 4 | 1 | 1 | 2 | 0 | 14 | 2 | 0 | 38 |
| I | <u> </u> | Background | 209 | 153 | 223 | 100 | 144 | 61 | 64 | 184 | 152 | 334 | 167 | 98 | 1,889 |
| 29 | RosecransStreet / Nimitz Boulevard | Total Airport | 21 0 | 147 93 | 118 111 | 9 | 127 117 | 10 0 | 121 0 | 524 0 | 23 0 | 144 138 | 554 0 | 35 0 | 1,833 459 |
| | | Background | 21 | 54 | 7 | 9 | 10 | 10 | 121 | 524 | 23 | 6 | 554 | 35 | 1,374 |
| | NTB, 2007 | | | | <u> </u> | | | | | ــــــــــــــــــــــــــــــــــــــ | | ـــــــــــــــــــــــــــــــــــــــ | | | ., |

ebr ebt

Table D-49 2025 Intersection Turning Volumes – PM Peak Hour – Implementation Plan

| North Harbor Driver North Delta | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|------|--|------------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-------|-------|
| Segregation | | | | 0 | 0 | 0 | 619 | 0 | 76 | 47 | 737 | 0 | 22 | 877 | 1,114 | 3,492 |
| North Harbor Drive / Michael St. Footback Process | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| North Harbor Drive / Noclari St. Apport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| North Harbor Drive Spanish Lunding August Columbia August Columbia Columbi | 2 | North Harbor Drive / McCain St | | | | | 97 | | | | | | 0 | | | |
| North Harbor Drive / Spanish Landing Agest | | | | | | | | | | | | | | | | |
| ## Accordance 7, 0, 22, 0, 0, 0, 0, 0, 1,759, 22, 7, 1,000, 0, 2,359, 4, 4 1,000 | 2 | North Harbor Drive / Spenish Landing | | | | | | | | | | | | | | |
| Morth Harbor Divis Harbor Island Drive Argon Harbor Island Drive Harbor Island Drive Argon Harbor Island Drive H | 3 | Notifi Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Hetroc Drive / Hinthook Seried Nove August 1 14 | | | | | | | | | | | | | | | _ | |
| North Harbor Drive / Wrinnip Lane | 4 | North Harbor Drive / Harbor Island Drive | | | 5 | | 21 | 11 | | | 289 | | | 669 | 0 | |
| North Hattor Dimer / Winship Lane Seelagrand 0 | | | | | | | | | | | | | | | | |
| Binding | _ | North Harber Drive / Winship Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road Total 102 0 118 22 0 16 10 33-343 303 119 2,878 14 1,550 | 5 | North Harbor Drive / Willship Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road Ampert 102 0 115 129 0 16 15 1288 103 118 1288 14 3,194 | | | | | | | | | | | | | | | | |
| Testal 73 442 0 0 698 70 77 7 25 0 0 0 1277 7 128 | 6 | North Harbor Drive / Rental Car Road | | 102 | 0 | 115 | 22 | 0 | | | | | | | 14 | 3,180 |
| Sheration Harbor Island Drive Property | | | | | | | | | | | | | | | | |
| Background 33 360 0 0 0 560 70 777 27 25 0 0 0 1,075 | - | Observators / Hardward Flored Debug | | | | | | | | | | | | | | |
| Begin Find | ′ | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Benderground Part | | | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway 9 Sassafras Street / Pacific Highway 10 Laurel Street / North Harbor Drive 10 Hawthorn Street / North Harbor Drive 11 Hawthorn Street / North Harbor Drive 12 Grippe Street / North Harbor Drive 13 Apport 14 Hawthorn Street / North Harbor Drive 15 Apport 16 Sassafras Street / North Harbor Drive 16 Sassafras Street / North Harbor Drive 17 Sassafras Street / North Harbor Drive 17 Sassafras Street / North Harbor Drive 18 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 19 Sassafras Street / North Harbor Drive 10 Sassafras Street / North Harbor | 8 | Employee Lot / Harbor Island Drive | | | 0 | | | | | | | 0 | | | | |
| Sassafras Street / Pacific Highway Amport 83 109 0 0 97 11 17 230 118 0 144 0 612 | | | | | | | | | | | | | | | | |
| Beadground 0 994 448 151 1,092 0 0 0 0 2 19 0 0 68 2,932 | | Connefera Street / D15- LU-b | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Amport 0 0 0 46 0 7 1,288 2,184 0 0 1,982 121 5,887 | Э | Sassairas Sileet / Pacific Highway | | | | | | | _ | | | | | | | |
| Laurel Street / North Harbor Drive Apport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 228 0 0 0 989 0 0 0 0 15 0 0672 1,899 | | | Background | | | | | 0 | | | 1,205 | | | 1,097 | | |
| Background Company C | | | | | | | | | | | | | | | | |
| Total Carape Street / North Harbor Drive Airport 0 267 259 1,397 1,223 0 0 0 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 228 16 647 327 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Laurel Street / Pacific Highway Approt 10 71 8 9 90 460 356 681 36 53 882 75 4,573 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | | | Background | 0 | 439 | 243 | 710 | 896 | 0 | 0 | 0 | 0 | 0 | 0 | | 2,288 |
| Background 160 812 210 161 506 350 243 227 36 48 468 88 3,279 | 40 | 1 10: 1/5 7: 1: 1 | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurei Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 122 74 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport O | | - | | | | | | | 63 | | | | 191 | | 107 | 2,744 |
| Background Color | 4- | 0 0 1/5 5 15 1 | | | | | | | | | | | | | | |
| Laurel Street / Kethner Boulevard Airport 0 0 0 453 956 861 0 974 74 60 319 0 3,3697 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Background Color | | | | | | | | | | | | | | | | |
| Total | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Aliphort 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 448 | 956 | 536 | 0 | 503 | 74 | | 209 | 0 | 2,777 |
| Background O O O O 0 6166 1111 O O O 238 1,215 O 2,180 | | | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Minort 0 0 0 8 1 0 0 582 14 0 0 0 0 605 | | | | | | | | | | | | | | | | |
| Background O | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | • | | 0 | | 0 | | | | 0 | 3,055 | 90 | 0 | 0 | 0 | |
| Background 190 363 355 0 0 0 24 495 1,536 0 0 0 0 2,963 1,669 | | | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport December | | | | | | | | | | | | | | | | |
| Background 45 70 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Laurel Street / India Street Airport 78 9 1 0 0 0 724 486 78 0 318 304 2,429 | | | | 45 | 70 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | |
| Background 45 298 88 0 0 0 372 439 0 0 276 304 1,822 | 0: | | | | | | | | | | | | | | | |
| Total 0 0 0 400 3,549 536 0 275 133 98 114 0 5,105 | 21 | Laurei Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 75 361 0 0 0 0 114 0 0 0 0 0 0 550 | | | Background | 0 | 0 | 0 | 400 | 3,219 | | 0 | 195 | 53 | 98 | 62 | 0 | 4,511 |
| Background 117 1,004 29 0 0 0 245 70 127 0 17 21 1,630 | | | | | | | | | | | | | | | | |
| Total 0 0 0 529 53 112 0 266 65 253 144 0 1.322 Airport 0 0 0 0 529 53 11 0 0 60 22 71 101 0 255 Background 0 0 0 0 529 53 11 0 206 43 182 43 0 1.067 Background 1 39 12 147 69 66 8 69 17 760 422 238 67 1.914 Airport 28 0 81 0 0 0 1 0 59 145 0 0 314 Background 11 12 66 69 66 8 68 17 760 422 238 67 1.914 Background 11 12 66 69 66 8 68 17 701 277 238 67 1.600 Washington Street / Hancock Street Airport 0 112 28 1 110 0 0 0 34 0 0 0 0 3.439 Washington Street / San Diego Avenue Total 239 1.398 0 0 744 633 0 0 0 0 222 305 19 3.560 Washington Street / Pacific Highway Airport 28 85 0 0 76 0 0 0 0 0 35 0 1 225 Background 211 1,313 0 0 668 633 0 0 0 0 222 305 19 3.560 Airport 28 85 0 0 76 0 0 0 0 35 0 1 225 Background 211 1,313 0 0 668 633 0 0 0 0 187 305 18 3.335 Rosecrans Street / Pacific Highway Airport 0 4 13 0 3 1 1 2 2 0 138 Background 368 302 670 122 142 69 120 490 181 285 350 18 3.247 Airport 0 4 13 0 3 1 1 2 0 0 0 0 0 12 2 0 38 Background 388 298 657 122 139 68 119 488 181 273 348 148 3.209 RosecransStreet / Nimitz Boulevard Airport 0 102 121 0 94 0 0 0 0 0 0 111 0 0 0 0 0 0 0 0 0 0 0 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 1 0 60 22 71 101 0 255 | | | | | | | | | | | | | | | | |
| Background O O O S29 S3 11 O 206 43 182 43 O 1,067 | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Total 39 12 147 69 66 8 69 17 760 422 238 67 1.914 Airport 28 0 81 0 0 0 1 0 59 145 0 0 314 Background 11 12 66 69 66 8 68 17 701 277 238 67 1,600 Background 11 12 66 69 66 8 68 17 701 277 238 67 1,600 Background 11 12 81 110 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 529 | 53 | | 0 | 206 | 43 | 182 | 43 | 0 | 1,067 |
| Background 11 12 66 69 66 8 68 17 701 277 238 67 1,600 Washington Street / Hancock Street Washington Street / Hancock Street Washington Street / San Diego Avenue Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway Rosecrans Street / Pinitz Boulevard Background 11 12 26 66 69 66 8 68 17 701 277 238 67 1,600 Total 0 775 193 415 482 0 833 498 243 0 0 0 0 285 Background 0 663 165 414 372 0 833 498 209 0 0 0 0 3,154 Total 239 1,398 0 0 744 633 0 0 0 0 222 305 19 3,580 Airport 28 85 0 0 76 0 0 0 0 0 35 0 1 225 Background 211 1,313 0 0 668 633 0 0 0 0 187 305 18 3,335 Total 388 302 670 122 142 69 120 490 181 285 350 148 3,247 Airport 0 4 13 0 3 1 1 2 0 0 12 2 0 38 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 RosecransStreet / Nimitz Boulevard Airport 0 102 121 0 94 0 0 0 0 0 111 0 0 0 428 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | Total | | | | | | | | | | | | | |
| Total 0 775 193 415 482 0 833 498 243 0 0 0 3,439 Airport 0 1112 28 1 110 0 0 0 334 0 0 0 0 285 Background 0 663 165 414 372 0 833 498 209 0 0 0 0 3,154 Total 239 1,398 0 0 744 633 0 0 0 222 305 19 3,560 Airport 28 85 0 0 76 0 0 0 0 35 0 1 225 Background 211 1,313 0 0 668 633 0 0 0 187 305 18 3,335 Total 368 302 670 122 142 69 120 490 181 285 350 148 3,247 Airport 0 4 13 0 3 1 1 2 0 18 18 285 350 148 3,247 Rosecrans Street / Pacific Highway Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 RosecransStreet / Nimitz Boulevard Airport 0 102 121 0 94 0 0 0 0 0 111 0 0 428 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 112 28 1 110 0 0 0 34 0 0 0 285 | | | | | | | | | | | | | | | | |
| Background O 663 165 414 372 O 833 498 209 O O O 0 3,154 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 239 1,398 0 0 744 633 0 0 0 222 305 19 3,560 Airport 28 85 0 0 76 0 0 0 0 35 0 1 225 Background 211 1,313 0 0 668 633 0 0 0 187 305 18 3,335 Total 368 302 670 122 142 69 120 490 181 285 350 148 3,247 Airport 0 4 13 0 3 1 1 2 0 12 2 0 38 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,249 RosecransStreet / Nimitz Boulevard 10 102 121 0 94 0 0 0 0 111 0 0 428 Background 23 252 146 7 102 7 272 665 27 189 569 46 2,305 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | _~ | g | | | 663 | | | | | | | | | | | |
| Background 211 1,313 0 0 668 633 0 0 0 187 305 18 3,335 Rosecrans Street / Pacific Highway Rosecrans Street / Pacific Highway Rosecrans Street / Nimitz Boulevard Background 368 298 657 122 142 69 120 490 181 285 350 148 3,247 Airport 0 4 13 0 3 1 1 2 0 12 2 0 138 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 RosecransStreet / Nimitz Boulevard RosecransStreet / Nimitz Boulevard Rosecrans Street / Rosec | | | Total | 239 | 1,398 | 0 | 0 | 744 | 633 | 0 | 0 | 0 | 222 | 305 | 19 | 3,560 |
| 28 Rosecrans Street / Pacific Highway | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 Property of the following prope | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | | . 100001 and Strott Framing Figure | | | | | | | _ | | | | | | | |
| Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | Total | 23 | 252 | 146 | 7 | 102 | 7 | 272 | 665 | 27 | 189 | 569 | 46 | 2,305 |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | | ITD 0007 | Background | 23 | 150 | 25 | 7 | 8 | 7 | 272 | 665 | 27 | 78 | 569 | 46 | 1,877 |

ebr ebt

Table D-50 2030 Intersection Turning Volumes – AM Peak Hour – Implementation Plan

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|-----------|--|-----------------------|-----------|------------------|-----------------|---------------|------------------|---------------|-----------------|-----------------|---------------|-----------------|-----------------|-----------|----------------|
| | | Total | 0 | 0 | 0 | 839 | 0 | 31 | 16 | 619 | 0 | 11 | 945 | 504 | 2,965 |
| | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 345 | 0 | 0 | 0 | 48 | 0 | 0 | 38 | 276 | 707 |
| 1 | | Background | 0 | 0 | 0 | 494 | 0 | 31 | 16 | 571 | 0 | 11 | 907 | 228 | 2,258 |
| | | Total | 0 | 0 | 0 | 147 | 0 | 177 | 219 | 890 | 0 | 0 | 952 | 481 | 2,866 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 57 | 0 | 143 | 15 | 379 | 0 | 0 | 172 | 67 | 833 |
| | | Background | 0 | 0 | 0 | 90 | 0 | 34 | 204 | 511 | 0 | 0 | 780 | 414 | 2,033 |
| _ | North Hoston Britis / On spick Londing | Total | 5 | 0 | 18 | 74 | 0 | 17 | 169 | 951 | 7 | 21 | 1,825 | 0 | 3,087 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 18 | 74 0 | 0 | 17 | 169 | 267 | 7 | 0 21 | 222 | 0 | 749 |
| | | Background Total | 5 48 | 6 | 153 | 19 | 0 13 | 0 107 | 0 114 | 684 827 | 103 | 264 | 1,603 2,412 | 0 | 2,338 4,066 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 15 | 6 | 40 | 19 | 13 | 107 | 114 | 203 | 24 | 64 | 822 | 0 | 1,427 |
| 7 | Notti Harbor Brive / Harbor Island Brive | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | 624 | 79 | 200 | 1,590 | 0 | 2,639 |
| | | Total | 0 | 0 | 0 | 86 | 0 | 221 | 78 | 920 | 0 | 0 | 3,133 | 293 | 4,731 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 86 | 0 | 221 | 78 | 183 | 0 | 0 | 1,343 | 293 | 2,204 |
| | · | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1,790 | 0 | 2,527 |
| | | Total | 81 | 0 | 60 | 10 | 0 | 14 | 17 | 2,063 | 105 | 157 | 3,331 | 18 | 5,856 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 81 | 0 | 60 | 10 | 0 | 14 | 17 | 1,326 | 105 | 157 | 1,541 | 18 | 3,329 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1,790 | 0 | 2,527 |
| | | Total | 13 | 123 | 0 | 0 | 280 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 633 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 61 | 0 | 0 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 162 |
| | | Background | 13 | 62 | 0 | 0 | 179 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 471 |
| 8 | Employee Let / Harber Jaland Drive | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 96 | 0 | 0 | 71 | 1 | 288 |
| ۰ | Employee Lot / Harbor Island Drive | Airport Background | 0 | 0 | 0 | 0 | 0 | 38 0 | 82 0 | 19 77 | 0 | 0 | 23 48 | 0 | 163 125 |
| | | Total | 95 | 497 | 66 | 39 | 512 | 13 | 7 | 92 | 57 | 135 | 184 | 35 | 1,732 |
| 9 | Sassafras Street / Pacific Highway | Airport | 95 | 95 | 0 | 0 | 123 | 13 | 7 | 92 | 57 | 0 | 184 | 0 | 666 |
| ı " | Gassanas Gaset/ Lacine Liighway | Background | 0 | 402 | 66 | 39 | 389 | 0 | 0 | 0 | 0 | 135 | 0 | 35 | 1,066 |
| | | Total | 0 | 0 | 0 | 17 | 0 | 3 | 495 | 1,391 | 0 | 0 | 2,412 | 48 | 4,366 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 474 | 922 | 0 | 0 | 1,149 | 0 | 2,545 |
| | | Background | 0 | 0 | 0 | 17 | 0 | 3 | 21 | 469 | 0 | 0 | 1,263 | 48 | 1,821 |
| | | Total | 0 | 371 | 0 | 0 | 1,385 | 0 | 0 | 0 | 0 | 133 | 0 | 2,854 | 4,743 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 295 | 0 | 0 | 922 | 0 | 0 | 0 | 0 | 17 | 0 | 854 | 2,088 |
| | | Background | 0 | 76 | 0 | 0 | 463 | 0 | 0 | 0 | 0 | 116 | 0 | 2,000 | 2,655 |
| | | Total | 0 | 304 | 109 | 1,030 | 602 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,045 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 295 | 13 | 618 | 320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,246 |
| | | Background | 0 | 9 | 96 | 412 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 799 |
| | | Total | 42 | 409 | 119 | 72 | 256 | 345 | 115 | 525 | 1 | 81 | 999 | 102 | 3,066 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 76 | 15 | 6 | 53 | 121 | 106 | 368 | 0 | 2 | 445 | 8 | 1,200 |
| | | Background | 42 | 333 | 104 | 66 | 203 | 224 | 9 | 157 | 1 | 79 | 554 | 94 | 1,866 |
| 14 | Houstborn Ctroot / Davidio Highway | Total | 158 | 271 | 0 | 0 | 206 | 74 | 0 | 0 | 0 | 376 | 2,675 | 133 | 3,893 |
| 14 | Hawthorn Street / Pacific Highway | Airport Background | 158 0 | 81 190 | 0 | 0 | 39 167 | 17 57 | 0 | 0 | 0 | 0 376 | 696 1,979 | 10 123 | 1,001 2,892 |
| - | | Total | 0 | 698 | 184 | 177 | 991 | 0 | 97 | 1,136 | 52 | 0 | 0 | 0 | 3,335 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 225 | 0 | 0 | 39 | 0 | 13 | 566 | 52 | 0 | 0 | 0 | 895 |
| | Grape Gudett i demo riigimay | Background | 0 | 473 | 184 | 177 | 952 | 0 | 84 | 570 | 0 | 0 | 0 | 0 | 2,440 |
| | | Total | 0 | 0 | 0 | 349 | 469 | 703 | 0 | 920 | 75 | 63 | 371 | 0 | 2,950 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 9 | 0 | 347 | 0 | 388 | 0 | 5 | 108 | 0 | 857 |
| | | Background | 0 | 0 | 0 | 340 | 469 | 356 | 0 | 532 | 75 | 58 | 263 | 0 | 2,093 |
| | | Total | 0 | 0 | 0 | 0 | 251 | 131 | 0 | 0 | 0 | 216 | 3,477 | 0 | 4,075 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 706 | 0 | 711 |
| | | Background | 0 | 0 | 0 | 0 | 246 | 131 | 0 | 0 | 0 | 216 | 2,771 | 0 | 3,364 |
| | | Total | 0 | 0 | 0 | 136 | 673 | 0 | 0 | 1,694 | 111 | 0 | 0 | 0 | 2,614 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 558 | 8 | 0 | 0 | 0 | 571 |
| | | Background | 0 | 0 | 0 | 132 | 672 | 0 | 0 | 1,136 | 103 | 0 | 0 | 0 | 2,043 |
| 40 | One of the state of the second On Braze (4) | Total | 206 | 272 | 233 | 0 | 0 | 0 | 44 | 457 | 1,268 | 0 | 0 | 0 | 2,480 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 559 709 | 0 | 0 | 0 | 563 |
| \vdash | | Background Total | 206 62 | 272 59 | 233 | 0 | 0 | 0 | 44 0 | 453 0 | 709 | 0 | 3,110 | 95 | 1,917 3,326 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 701 | 0 | 701 |
| _~ | | Background | 62 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,409 | 95 | 2,625 |
| | | Total | 98 | 96 | 16 | 0 | 0 | 0 | 618 | 517 | 78 | 1 | 341 | 310 | 2,025 |
| 21 | Laurel Street / India Street | Airport | 61 | 5 | 0 | 0 | 0 | 0 | 278 | 41 | 78 | 1 | 52 | 0 | 516 |
| L | | Background | 37 | 91 | 16 | 0 | 0 | 0 | 340 | 476 | 0 | 0 | 289 | 310 | 1,559 |
| | | Total | 0 | 0 | 0 | 242 | 2,399 | 699 | 0 | 53 | 49 | 114 | 106 | 0 | 3,662 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 356 | 60 | 0 | 29 | 30 | 0 | 60 | 0 | 535 |
| | | Background | 0 | 0 | 0 | 242 | 2,043 | 639 | 0 | 24 | 19 | 114 | 46 | 0 | 3,127 |
| | | Total | 249 | 974 | 13 | 0 | 0 | 0 | 117 | 23 | 48 | 0 | 43 | 27 | 1,494 |
| 23 | Sassafras Street / India Street | Airport | 92 | 283 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 420 |
| —— | | Background | 157 | 691 | 13 0 | 0 511 | 0 | 147 | 72 0 | 23 | 48 | 0 174 | 43 | 27 | 1,074 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total Airport | 0 | 0 | 0 | 511 0 | 90 | 147 | 0 | 115 76 | 57 29 | 92 | 197 69 | 0 | 1,291 267 |
| 24 | **aoringion oneer/ radiic nigriway ob-kamps | Background | 0 | 0 | 0 | 511 | 90 | 146 | 0 | 39 | 28 | 82 | 128 | 0 | 1,024 |
| | | Total | 19 | 0 | 71 | 0 | 0 | 0 | 1 | 0 | 75 | 143 | 0 | 0 | 309 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 19 | 0 | 71 | 0 | 0 | 0 | 1 | 0 | 75 | 143 | 0 | 0 | 309 |
|] | (1) | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 0 | 260 | 106 | 311 | 408 | 0 | 208 | 97 | 95 | 0 | 0 | 0 | 1,485 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 110 | 36 | 1 | 119 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 290 |
| | <u> </u> | Background | 0 | 150 | 70 | 310 | 289 | 0 | 208 | 97 | 71 | 0 | 0 | 0 | 1,195 |
| | | Total | 113 | 585 | 0 | 0 | 682 | 665 | 0 | 0 | 0 | 277 | 313 | 12 | 2,647 |
| 27 | Washington Street / San Diego Avenue | Airport | 35 | 75 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 24 | 0 | 1 | 231 |
| | | Background | 78 | 510 | 0 | 0 | 586 | 665 | 0 | 0 | 0 | 253 | 313 | 11 | 2,416 |
| | | Total | 207 | 155 | 230 | 144 | 209 | 88 | 61 | 176 | 143 | 313 | 154 | 88 | 1,968 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 3 | 1 | 1 | 3 | 0 | 13 | 4 | 0 | 38 |
| 1 | | Background | 207 | 152 | 220 | 144 | 206 | 87 | 60 | 173 | 143 | 300 | 150 | 88 | 1,930 |
| | | | | 4 | | | | | | | | | | | |
| 20 | Pagagrana Stroot / Nimite Paulauged | Total | 20 | 158 | 179 | 39 | 171 | 41 | 107 | 461 | 20 | 219 | 514 | 32 | 1,961 |
| 29 | RosecransStreet / Nimitz Boulevard | | 0 | 158 105 53 | 179 172 7 | 39 0 39 | 171 131 40 | 41 0 41 | 107 0 107 | 461 0 461 | 20 0 20 | 219 214 5 | 514 0 514 | 0 32 | 622 |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr ebt

Table D-51 2030 Intersection Turning Volumes – PM Peak Hour – Implementation Plan

| North Harbor Driver / Pierber Marco Free 1987 19 | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|----------|--|------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-------|-----|-------|
| Morth Harbor Dive / McCan St. Figure Property P | | | Total | | | | | | | | | | | | | |
| North Harbor Drive / McClen St. Appendix | | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Section Proceedings Process | 1 | | | | | | | | | | | | | | | |
| Semination Sem | _ | North Harbar Britis (MacCaia Ct | | | | | | | | | | | | | | |
| Second Hambor Drive Sparrein Landrig Case 7 0 20 110 0 27 160 271 281 7 1231 0 0 0 0 0 0 0 0 0 | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Section Month Herbor Driver Sparroin h. archoring Major Majo | | | | | | | | | | | | | | | | |
| ## North Harbor Interference / Processor | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Algority 17, 18, 189, 189, 189, 189, 189, 189, 189, | - | | | | | | | | | | | | | | | |
| Second | | | Total | 169 | 5 | 346 | 21 | 11 | 102 | 96 | 2,089 | 158 | 525 | 1,669 | 0 | 5,191 |
| North Harbor Drive / Winshigh Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Section Property | | | | | | | | | | | | | | | | |
| Sessigned 0 0 0 0 0 0 0 0 0 | _ | | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road Angert 10 115 21 0 77 15 3.75 714 719 2.25 44 8.73 | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| Application Company | | | | | | | | | | | | | | | | |
| Sheraton / Narbri Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheration / Harbor Island Drive | ľ | North Harbor Billor Hollar Gar Hoad | | | | | | | | | | | | | | |
| 8 Employee Lof / Harbor Island Drive | | | | 23 | 443 | | | 625 | 70 | 77 | | 25 | | | 0 | |
| Bernjoyne Lot / Harbor Island Drive | 7 | Sheraton / Harbor Island Drive | Airport | | 74 | | | 91 | 0 | | | | 0 | 0 | 0 | 165 |
| Bendy Part | | | | | | | | | | | | | | | | |
| Besignound 0 | _ | | | | | | | | | | | | | | | |
| Sassafras Street Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Apport 67 116 0 0 103 11 17 239 120 0 156 0 849 | | | | | | | | | | | | | | | | |
| Beadground | a | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Column C | | oussainus ou cet/ Facilie Flighway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Alignort 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Arport 0 239 0 0 0 105 0 0 0 0 18 0 0 680 1,952 | | | Background | | | | | | | 727 | 1,251 | | | 1,141 | | 3,301 |
| Background 0 | | | | | | | | | | | | | | | | |
| Total Care Total Care Total Care Total Care Total Care Total Care Total Care Total Care | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 239 20 677 346 0 0 0 0 0 0 0 0 0 | \vdash | | | | | | | | | | | | | | | |
| Background 10 | 12 | Grane Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 135 759 186 123 459 359 333 668 40 92 1,204 130 4,523 141 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 135 681 176 113 355 246 268 249 40 86 820 122 3,289 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 128 81 0 0 0 0 0 0 0 0 0 | | | | 135 | 681 | 176 | 113 | 355 | 246 | 266 | 249 | 40 | 86 | 820 | 122 | 3,289 |
| Background 42 664 0 0 667 53 0 0 0 214 421 119 2.620 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport O | | | | | | | | | | | | | | | | |
| Background Color | 15 | Grano Street / Basifia Highway | | | | | | | | | | | | | | |
| Total O O O O O O O O O | 15 | Grape Street / Facilic Highway | | | | | | | | | | | | | | |
| Background Airport O O O O 6 O 280 O 430 O 11 117 O 0 844 | | | | | | | | | | | | | | | | |
| Background 0 | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 | | | | 0 | 0 | 0 | 411 | 877 | 492 | 0 | 901 | 133 | 82 | 335 | 0 | 3,231 |
| Background Background Sackground Sac | | | Total | | | | | 651 | | | | | | 1,928 | | 2,960 |
| Total 0 | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Color | 40 | O Ott (K-th Blt | | | | | | | | | | | | | | |
| Total 311 593 580 0 0 0 27 565 2,353 0 0 0 4,429 | 10 | Grape Street / Kettrier Boulevard | | | | | | | | | | | | | | |
| Separate France | | | | | | | | | | | | | | | | |
| Background 311 593 580 0 0 0 27 560 1738 0 0 0 3,809 Pawthorn Street / I-5 Northbound Off-Ramp Airport 0 0 0 0 0 0 0 0 0 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Background Figure | | | Total | | | | | | | 0 | 0 | | | | | |
| Color | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport Background 37 243 72 0 0 0 303 49 84 0 44 0 576 | | | | | | | | | | | | | | | | |
| Background 37 243 72 0 0 0 596 701 0 0 387 425 2,461 | 24 | Laural Stroot / India Stroot | | | | | | | | | | | | | | |
| Total 0 | 1 | Laurer Orrect / Initia Otrect | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 233 1,643 39 0 0 0 320 57 104 0 18 22 2,438 | | | | 0 | - | | | | | 0 | | | | | | |
| Washington Street / Pacific Highway SB-Ramps Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | Total | | | | 0 | 0 | 0 | | 57 | 104 | 0 | 18 | | 2,436 |
| Total O O O O O O O O O | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Airport | \vdash | | | | | | | | | | | | | | | |
| Background O O O 1,347 134 27 O 216 45 146 34 O 1,949 | 24 | Washington Street / Desific History CD De- | | | | | | | | | | | | | | |
| Total 33 0 85 52 51 6 56 14 635 348 160 45 1,485 Airport 33 0 85 0 0 0 0 1 0 70 162 0 0 351 1,485 1,48 | 24 | vvasilington street / Facilic Highway SB-Ramps | | | | | | | | | | | | | | |
| Airport Street Pacific Highway NB-Ramps (1) Airport Saskground O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background O O O S2 S1 6 S5 I4 S65 I86 I60 45 I,134 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 568 144 333 420 0 326 194 122 0 0 0 0 2,107 Airport 0 122 33 1 121 0 0 0 411 0 0 0 318 Background 0 446 111 332 299 0 326 194 81 0 0 0 0 1,789 Total 202 1,142 0 0 0 722 607 0 0 0 0 41 0 0 0 1,789 Washington Street / San Diego Avenue Washington Street / San Diego Avenue Background 169 1,053 0 0 641 607 0 0 0 0 41 0 1 245 Background 169 1,053 0 0 641 607 0 0 0 259 423 26 3,178 Background 169 1,053 0 0 641 607 0 0 0 0 259 423 26 3,178 Total 364 297 661 174 201 98 113 464 171 257 315 133 3,248 Airport 0 3 12 0 3 1 1 1 4 0 11 3 0 38 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 RosecransStreet / Nimitz Boulevard Airport 0 115 187 0 106 0 0 0 0 0 173 0 0 581 Background 23 146 25 31 35 31 239 586 24 72 588 43 1,783 | | 5 | | | | | | | | | | | | | | |
| Background O 446 111 332 299 O 326 194 81 O O O 0 1,789 | | | Total | 0 | 568 | 144 | | 420 | | | | 122 | 0 | | | |
| Total 202 1,142 0 0 0 722 607 0 0 0 300 423 27 3,423 Airport 33 89 0 0 81 0 0 0 0 0 0 41 0 1 245 Background 169 1,053 0 0 641 607 0 0 0 0 259 423 26 3,178 Rosecrans Street / Pacific Highway Rosecrans Street / Pacific Highway Rosecrans Street / Nimitz Boulevard Total 202 1,142 0 0 0 722 607 0 0 0 0 300 423 27 3,423 8 0 0 0 641 607 0 0 0 0 259 423 26 3,178 Total 364 297 661 174 201 98 113 464 171 257 315 133 3,248 Airport 0 3 12 0 3 1 1 4 0 11 3 0 38 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 Rosecrans Street / Nimitz Boulevard Airport 0 115 187 0 106 0 0 0 0 0 173 0 0 581 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Airport 33 89 0 0 81 0 0 0 0 41 0 1 245 | | | | | | | | | | | | | | | | |
| Background 169 1,053 0 0 641 607 0 0 0 259 423 26 3,178 Rosecrans Street / Pacific Highway Total 364 297 661 174 201 98 113 464 171 257 315 133 3,248 Airport 0 3 12 0 3 1 1 1 4 0 11 3 0 38 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 Rosecrans Street / Nimitz Boulevard Total 23 261 212 31 141 31 239 586 24 245 528 43 2,364 Airport 0 3 12 0 3 1 14 1 31 239 586 24 245 528 43 2,364 Airport 0 3 12 15 187 0 106 0 0 0 0 0 173 0 0 581 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | 0.7 | Weshington Ctrast (Car D) | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | 21 | wasnington Street / San Diego Avenue | | | | | | | | | | | | | | |
| Rosecrans Street / Pacific Highway Airport 0 3 12 0 3 1 1 4 0 11 3 0 38 | | | | | | | | | | | | | | | | |
| Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | | | |
| Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | Total | 23 | 261 | 212 | 31 | 141 | 31 | 239 | 586 | 24 | 245 | 528 | 43 | 2,364 |
| | 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 115 | 187 | 0 | 106 | | 0 | 0 | 0 | 173 | 0 | | 581 |
| Source: HNTB, 2007 | | | Background | 23 | 146 | 25 | 31 | 35 | 31 | 239 | 586 | 24 | 72 | 528 | 43 | 1,783 |

ebr ebt

Table D-52
2010-2030 Peak Hour Intersection Operations – Implementation Plan

| | | | | 2010 | | 2015 | | 2020 | | 2025 | | 2030 |
|------------------------|-------------------------------------|--------------|-----------------|--------|-----------------|--------|----------------|--------|----------------|--------|-----------------|--------|
| Intersection Number | Intersection | Peak Hour | Delay (Sec.) | LOS | Delay (Sec.) | LOS | Delay (SEC) | LOS | Delay (SEC) | LOS | Delay (Sec.) | LOS |
| 1 | North Harbor Drive/ | AM | 20.2 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.9 | С |
| | Nimitz Boulevard | PM | 20.7 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.7 | С |
| 2 | North Harbor Drive/ | AM | 8.4 | Α | 9.2 | Α | 9.5 | Α | 9.8 | Α | 10.7 | В |
| | McCain Road | PM | 9.8 | Α | 10.7 | В | 11.1 | В | 11.2 | В | 11.8 | В |
| 3 | North Harbor Drive/ | AM | 7.8 | Α | 8.4 | Α | 8.7 | Α | 9.0 | Α | 10.0 | Α |
| | Spanish Landing | PM | 7.3 | A | 7.7 | Α | 8.1 | Α | 8.2 | Α | 8.8 | Α |
| 4 | North Harbor Drive/ | AM | 19.7 | В | 19.3 | В | 19.4 | В | 19.3 | В | 20.1 | С |
| | Harbor Island Drive | PM | 30.5 | С | 31.0 | C | 32.4 | С | 33.2 | С | 35.2 | D |
| 5 | North Harbor Drive/ | AM | 9.5 | A | 9.7 | A | 9.8 | Α | 9.8 | A | 10.2 9.7 | В |
| _ | Winship Lane | PM | 9.1 | A | 9.3 | A | 9.4 | A | 9.6 | A | | A |
| 6 | North Harbor Drive/ | AM | 6.7 | A | 7.5 | A | 8.2 | Α | 9.0 | A | 9.6 | A |
| 7 | Rental Car Road | PM AM | 7.6 12.4 | A B | 8.5 | A B | 9.2 | A | 9.7 11.7 | A B | 10.5 | B B |
| 7 | Sheraton | | | | 12.3 | | 12.0 | В | | | 11.6 | _ |
| 8 | Harbor Island Drive Employee Lot | PM AM | 7.6 9.8 | A A | 7.4 9.9 | A A | 7.2 9.9 | A A | 7.0 9.9 | A A | 6.9 9.9 | A |
| 0 | Harbor Island Drive | PM | 10.1 | В | 10.1 | В | 10.2 | | 10.2 | В | 10.2 | В |
| 9 | Sassafras Street/ | AM | 15.3 | В | 15.5 | В | 15.2 | B B | 15.7 | В | 14.1 | В |
| Э | Pacific Highway | PM | 14.9 | В | 17.4 | В | 17.2 | В | 19.8 | В | 14.1 | В |
| 10 | Laurel Street/ | AM | 9.1 | A | 10.0 | A | 10.8 | В | 11.4 | В | 10.8 | В |
| 10 | North Harbor Drive | PM | 15.4 | В | 16.2 | В | 18.6 | В | 19.7 | В | 20.3 | C |
| 11 | Hawthorn Street/ | AM | 31.3 | С | 48.6 | D | 112.6 | F | 135.1 | F | 182.2 | F |
| | North Harbor Drive | PM | 23.1 | C | 25.1 | C | 33.7 | C | 42.2 | D | 62.3 | E. |
| 12 | Grape Street/ | AM | 8.2 | A | 8.4 | A | 8.3 | A | 8.4 | A | 8.5 | A |
| 12 | North Harbor Drive | PM | 10.9 | В | 11.0 | В | 10.8 | В | 11.1 | В | 11.0 | В |
| 13 | Laurel Street/ | AM | 32.1 | C | 33.7 | С | 33.9 | C | 34.5 | C | 34.0 | C |
| 13 | Pacific Highway | PM | 48.9 | D | 62.2 | E | 59.4 | E | 53.4 | D | 61.8 | E |
| 14 | Hawthorn Street/ | AM | 12.6 | В | 14.3 | В | 15.8 | В | 18.0 | В | 19.8 | В |
| 14 | Pacific Highway | PM | 21.0 | C | 21.9 | C | 22.9 | C | 23.9 | C | 23.5 | C |
| 15 | Grape Street/ | AM | 18.5 | В | 19.0 | В | 19.9 | В | 20.4 | C | 20.3 | C |
| 13 | Pacific Highway | PM | 26.1 | c | 32.8 | C | 53.4 | D | 69.6 | Ē | 58.5 | Ē |
| 16 | Laurel Street/ | AM | 18.8 | В | 19.5 | В | 19.5 | В | 19.8 | В | 21.9 | C |
| 10 | Kettner Boulevard | PM | 21.3 | c | 22.7 | C | 25.5 | C | 24.5 | C | 31.9 | c |
| 17 | Hawthorn Street/ | AM | 5.5 | A | 6.2 | A | 10.3 | В | 9.5 | A | 13.4 | В |
| ., | Kettner Boulevard | PM | 10.9 | В | 11.2 | В | 15.5 | В | 13.8 | В | 14.2 | В |
| 18 | Grape Street/ | AM | 12.4 | В | 13.1 | В | 14.8 | В | 14.1 | В | 14.7 | В |
| | Kettner Boulevard | PM | 16.6 | В | 22.6 | С | 55.3 | E | 55.0 | D | 80.0 | Е |
| 19 | Grape Street/ | AM | 11.1 | В | 10.8 | В | 11.5 | В | 11.6 | В | 15.3 | В |
| - | I-5 Southbound On-Ramp | PM | 28.3 | С | 34.7 | С | 32.8 | С | 39.1 | D | 90.1 | F |
| 20 | Hawthorn Street/ | AM | 11.0 | В | 10.6 | В | 10.8 | В | 10.3 | В | 16.0 | В |
| | I-5 Northbound Off-Ramp | PM | 11.8 | В | 12.0 | В | 12.1 | В | 11.5 | В | 11.1 | В |
| 21 | Laurel Street/ | AM | 18.4 | В | 19.3 | В | 19.1 | В | 19.5 | В | 22.8 | С |
| | India Street | PM | 21.3 | С | 22.9 | С | 22.0 | С | 22.3 | С | 22.1 | С |
| 22 | Sassafras Street/ | AM | 8.6 | Α | 9.5 | Α | 19.3 | В | 12.1 | В | 9.8 | Α |
| | Kettner Boulevard | PM | 11.6 | В | 13.1 | В | 123.2 | F | 84.8 | F | 66.7 | E |
| 23 | Sassafras Street/ | AM | 8.2 | Α | 8.3 | Α | 8.8 | Α | 9.1 | Α | 8.1 | Α |
| | India Street | PM | 13.7 | В | 17.8 | В | 15.6 | В | 16.1 | В | 17.7 | В |
| 24 | Washington Street/ | AM | 12.6 | В | 12.7 | В | 13.0 | В | 12.8 | В | 12.5 | В |
| | Pacific Highway SB-Ramps | PM | 14.9 | В | 15.1 | В | 15.3 | В | 15.5 | В | 17.6 | В |
| 25 | Washington Street/ | AM | 33.5 | С | 46.9 | D | 56.3 | Е | 60.9 | Е | 21.2 | С |
| | Pacific Highway NB-Ramps | PM | 68.5 | E | 100.5 | F | 130.4 | F | 157.0 | F | 79.8 | E |
| 26 | Washington Street/ | AM | 27.8 | С | 28.1 | С | 28.7 | С | 28.8 | С | 25.9 | С |
| | Hancock Street | PM | 30.2 | С | 30.8 | С | 32.3 | С | 32.7 | С | 28.0 | С |
| 27 | Washington Street/ | AM | 12.5 | В | 13.1 | В | 12.7 | В | 12.5 | В | 14.9 | В |
| | San Diego Avenue | PM | 13.6 | В | 14.1 | В | 14.1 | В | 14.0 | В | 16.8 | В |
| 28 | Rosecrans Street/ | AM | 36.1 | D | 36.4 | D | 36.1 | D | 36.2 | D | 37.3 | D |
| | Pacific Highway | PM | 39.1 | D | 44.8 | D | 41.3 | D | 41.9 | D | 43.0 | D |
| 29 | RosecransStreet/ | AM | 21.8 | С | 21.7 | С | 24.3 | С | 23.8 | С | 27.0 | С |
| | Nimitz Boulevard | PM | 25.0 | С | 25.2 | С | 26.7 | С | 26.6 | С | 29.2 | С |

Source: HNTB, 2007

LOS = level of service

Table D-53 compares the intersection delay under the Airport Implementation Plan (With Parking Structure) against the No Project Alternative to identify intersection impacts based on significance criteria identified in Section D.2, measured by an increase to LOS E or F or an increase in vehicle delay of greater than 2 seconds for streets operating at LOS E and greater than 1 second for streets operating at LOS F under the No Project Alternative. The following intersections would have potentially significant traffic impacts due to the project:

Intersections with Potential Significant Traffic Impacts

Year 2010 and 2015

 No potentially significant impacts to intersections in the Study Area are anticipated to occur under the Implementation Plan (with Parking Structure) compared to the No Project Alternative in 2010 and 2020 2015.

Year 2020

 Sassafras Street and Kettner Boulevard (PM), which operates at LOS F in the PM peak hour under both the Implementation Plan (with Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan compared to the No Project Alternative.

Year 2025

- All locations identified in Year 2020
- Hawthorn Street and North Harbor Drive (AM), which operates at LOS F under both the Implementation Plan (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.

Year 2030

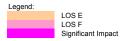
- All locations identified in Year 2025
- Hawthorn Street and North Harbor Drive (AM), which operates at LOS F in the PM peak hour under both the Implementation Plan (with Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan compared to the No Project Alternative.
- Grape Street and Kettner Boulevard (PM), which operates at LOS F in the PM peak hour under both the Implementation Plan and No Project Alternative and would experience an increase in delay greater than 1 second (with Parking Structure) under the Implementation Plan compared to the No Project Alternative.
- Grape Street and I-5 Southbound On-Ramp (PM), which operates at LOS F in the PM peak hour under both the Implementation Plan (with Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan compared to the No Project Alternative.

Table D-53

2010-2030 Intersection Impacts – Proposed Airport Implementation Plan (With Parking Structure)

| | | | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
|--------------|-------------------------------------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Intersection | Intersection | Peak | No Proj | No Project | Diff. |
| Number | | Hour | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) |
| 1 | North Harbor Drive/ | AM | 20.2 | 20.2 | 0.0 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.7 | 21.9 | 0.2 |
| · | Nimitz Boulevard | PM | 20.7 | 20.7 | 0.0 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.6 | 21.7 | 0.1 |
| 2 | North Harbor Drive/ | AM | 6.7 | 8.4 | -1.7 | 7.2 | 9.2 | 2.0 | 7.4 | 9.5 | 2.1 | 7.6 | 9.8 | 2.2 | 7.6 | 10.7 | 3.1 |
| | McCain Road | PM | 9.1 | 9.8 | -0.7 | 9.9 | 10.7 | 0.8 | 10.2 | 11.1 | 0.9 | 10.3 | 11.2 | 0.9 | 10.3 | 11.8 | 1.5 |
| 3 | North Harbor Drive/ | AM | 10.1 | 7.8 | 2.3 | 10.9 | 8.4 | -2.5 | 11.2 | 8.7 | -2.5 | 11.7 | 9.0 | -2.7 | 13.1 | 10.0 | -3.1 |
| | Spanish Landing | PM | 8.7 | 7.3 | 1.4 | 9.3 | 7.7 | -1.6 | 9.8 | 8.1 | -1.7 | 10.0 | 8.2 | -1.8 | 11.2 | 8.8 | -2.4 |
| 4 | North Harbor Drive/ | AM | 20.4 | 19.7 | 0.7 | 20.4 | 19.3 | -1.1 | 20.9 | 19.4 | -1.5 | 20.8 | 19.3 | -1.5 | 21.9 | 20.1 | -1.8 |
| | Harbor Island Drive | PM | 30.8 | 30.5 | 0.3 | 31.4 | 31.0 | -0.4 | 32.8 | 32.4 | -0.4 | 33.3 | 33.2 | -0.1 | 34.9 | 35.2 | 0.3 |
| 5 | North Harbor Drive/ | AM | 9.9 | 9.5 | 0.4 | 10.6 | 9.7 | -0.9 | 10.8 | 9.8 | -1.0 | 10.7 | 9.8 | -0.9 | 11.1 | 10.2 | -0.9 |
| | Winship Lane | PM | 9.6 | 9.1 | 0.5 | 10.3 | 9.3 | -1.0 | 10.4 | 9.4 | -1.0 | 10.6 | 9.6 | -1.0 | 10.7 | 9.7 | -1.0 |
| 6 | North Harbor Drive/ | AM | 6.7 | 6.7 | 0.0 | 7.5 | 7.5 | 0.0 | 8.2 | 8.2 | 0.0 | 8.8 | 9.0 | 0.2 | 9.0 | 9.6 | 0.6 |
| | Rental Car Road | PM | 7.6 | 7.6 | 0.0 | 8.5 | 8.5 | 0.0 | 9.2 | 9.2 | 0.0 | 9.6 | 9.7 | 0.1 | 10.0 | 10.5 | 0.5 |
| 7 | Sheraton | AM | 12.4 | 12.4 | 0.0 | 12.3 | 12.3 | 0.0 | 12.0 | 12.0 | 0.0 | 11.8 | 11.7 | -0.1 | 11.6 | 11.6 | 0.0 |
| 0 | Harbor Island Drive Employee Lot | PM AM | 7.6 9.8 | 7.6 9.8 | 0.0 | 7.4 9.9 | 7.4 9.9 | 0.0 | 7.2 9.9 | 7.2 9.9 | 0.0 | 7.0 9.9 | 7.0 9.9 | 0.0 | 6.9 9.9 | 6.9 9.9 | 0.0 |
| 8 | Harbor Island Drive | PM | 10.1 | 10.1 | 0.0 | 10.1 | 10.1 | 0.0 | 10.2 | 10.2 | 0.0 | 10.2 | 10.2 | 0.0 | 10.1 | 10.2 | 0.0 |
| 9 | Sassafras Street/ | AM | 15.3 | 15.3 | 0.0 | 15.4 | 15.5 | 0.0 | 15.1 | 15.2 | 0.0 | 15.6 | 15.7 | 0.0 | 14.0 | 14.1 | 0.1 |
| 9 | Pacific Highway | PM | 14.5 | 14.9 | -0.4 | 16.6 | 17.4 | 0.1 | 16.5 | 17.2 | 0.7 | 18.5 | 19.8 | 1.3 | 14.1 | 14.8 | 0.7 |
| 10 | Laurel Street/ | AM | 9.2 | 9.1 | 0.1 | 10.1 | 10.0 | -0.1 | 10.8 | 10.8 | 0.0 | 11.3 | 11.4 | 0.1 | 10.5 | 10.8 | 0.3 |
| 10 | North Harbor Drive | PM | 15.5 | 15.4 | 0.1 | 16.3 | 16.2 | -0.1 | 18.7 | 18.6 | -0.1 | 19.3 | 19.7 | 0.4 | 19.4 | 20.3 | 0.9 |
| 11 | Hawthorn Street/ | AM | 31.8 | 31.3 | 0.5 | 49.6 | 48.6 | -1.0 | 112.8 | 112.6 | -0.2 | 131.7 | 135.1 | 3.4 | 173.0 | 182.2 | 9.2 |
| | North Harbor Drive | PM | 23.2 | 23.1 | 0.1 | 25.2 | 25.1 | -0.1 | 33.7 | 33.7 | 0.0 | 40.7 | 42.2 | 1.5 | 55.9 | 62.3 | 6.4 |
| 12 | Grape Street/ | AM | 8.2 | 8.2 | 0.0 | 8.4 | 8.4 | 0.0 | 8.3 | 8.3 | 0.0 | 8.4 | 8.4 | 0.0 | 8.3 | 8.5 | 0.2 |
| | North Harbor Drive | PM | 10.9 | 10.9 | 0.0 | 11.0 | 11.0 | 0.0 | 10.7 | 10.8 | 0.1 | 11.0 | 11.1 | 0.1 | 10.9 | 11.0 | 0.1 |
| 13 | Laurel Street/ | AM | 32.1 | 32.1 | 0.0 | 33.7 | 33.7 | 0.0 | 33.9 | 33.9 | 0.0 | 34.4 | 34.5 | 0.1 | 33.7 | 34.0 | 0.3 |
| | Pacific Highway | PM | 49.0 | 48.9 | 0.1 | 62.4 | 62.2 | -0.2 | 59.5 | 59.4 | -0.1 | 53.1 | 53.4 | 0.3 | 60.4 | 61.8 | 1.4 |
| 14 | Hawthorn Street/ | AM | 12.6 | 12.6 | 0.0 | 14.3 | 14.3 | 0.0 | 15.8 | 15.8 | 0.0 | 17.7 | 18.0 | 0.3 | 18.9 | 19.8 | 0.9 |
| | Pacific Highway | PM | 21.0 | 21.0 | 0.0 | 22.0 | 21.9 | -0.1 | 22.9 | 22.9 | 0.0 | 23.8 | 23.9 | 0.1 | 23.3 | 23.5 | 0.2 |
| 15 | Grape Street/ | AM | 18.5 | 18.5 | 0.0 | 19.0 | 19.0 | 0.0 | 19.9 | 19.9 | 0.0 | 20.3 | 20.4 | 0.1 | 20.2 | 20.3 | 0.1 |
| | Pacific Highway | PM | 26.2 | 26.1 | 0.1 | 32.8 | 32.8 | 0.0 | 53.1 | 53.4 | 0.3 | 68.6 | 69.6 | 1.0 | 56.5 | 58.5 | 2.0 |
| 16 | Laurel Street/ | AM | 18.9 | 18.8 | 0.1 | 19.6 | 19.5 | -0.1 | 19.8 | 19.5 | -0.3 | 19.9 | 19.8 | -0.1 | 21.9 | 21.9 | 0.0 |
| 47 | Kettner Boulevard | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.7 | -0.2 | 25.9 | 25.5 | -0.4 | 24.8 | 24.5 | -0.3 | 31.9 | 31.9 | 0.0 |
| 17 | Hawthorn Street/ | AM PM | 5.5 | 5.5 | 0.0 | 6.2 | 6.2 | 0.0 | 10.3 | 10.3 | 0.0 | 9.6 | 9.5 | -0.1 | 13.0 | 13.4 | 0.4 |
| 40 | Kettner Boulevard | AM | 10.9 12.4 | 10.9 12.4 | 0.0 | 11.3 13.1 | 11.2 13.1 | -0.1 0.0 | 15.6 14.8 | 15.5 14.8 | -0.1 0.0 | 13.9 14.2 | 13.8 14.1 | -0.1 -0.1 | 14.2 14.8 | 14.2 14.7 | 0.0 -0.1 |
| 18 | Grape Street/ Kettner Boulevard | PM | 16.7 | 16.6 | 0.0 | 22.8 | 22.6 | -0.2 | 55.3 | 55.3 | 0.0 | 54.0 | 55.0 | 1.0 | 77.1 | 80.0 | 2.9 |
| 19 | Grape Street/ | AM | 11.1 | 11.1 | 0.0 | 8.9 | 10.8 | 1.9 | 11.6 | 11.5 | -0.1 | 11.5 | 11.6 | 0.1 | 15.1 | 15.3 | 0.2 |
| 13 | I-5 Southbound On-Ramp | PM | 28.6 | 28.3 | 0.3 | 35.2 | 34.7 | -0.5 | 32.9 | 32.8 | -0.1 | 38.6 | 39.1 | 0.5 | 87.1 | 90.1 | 3.0 |
| 20 | Hawthorn Street/ | AM | 11.1 | 11.0 | 0.1 | 10.6 | 10.6 | 0.0 | 10.8 | 10.8 | 0.0 | 19.6 | 10.3 | -9.3 | 15.3 | 16.0 | 0.7 |
| 20 | I-5 Northbound Off-Ramp | PM | 11.8 | 11.8 | 0.0 | 12.0 | 12.0 | 0.0 | 12.1 | 12.1 | 0.0 | 16.4 | 11.5 | -4.9 | 11.0 | 11.1 | 0.1 |
| 21 | Laurel Street/ | AM | 18.5 | 18.4 | 0.1 | 19.4 | 19.3 | -0.1 | 22.6 | 19.1 | -3.5 | 22.9 | 19.5 | -3.4 | 23.0 | 22.8 | -0.2 |
| | India Street | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.9 | 0.0 | 22.1 | 22.0 | -0.1 | 26.8 | 22.3 | -4.5 | 32.4 | 22.1 | -10.3 |
| 22 | Sassafras Street/ | AM | 8.3 | 8.6 | -0.3 | 9.2 | 9.5 | 0.3 | 19.4 | 19.3 | -0.1 | 11.9 | 12.1 | 0.2 | 9.6 | 9.8 | 0.2 |
| | Kettner Boulevard | PM | 11.1 | 11.6 | -0.5 | 12.5 | 13.1 | 0.6 | 121.5 | 123.2 | 1.7 | 82.1 | 84.8 | 2.7 | 62.5 | 66.7 | 4.2 |
| 23 | Sassafras Street/ | AM | 8.1 | 8.2 | -0.1 | 8.2 | 8.3 | 0.1 | 8.7 | 8.8 | 0.1 | 9.0 | 9.1 | 0.1 | 8.0 | 8.1 | 0.1 |
| | India Street | PM | 13.5 | 13.7 | -0.2 | 17.3 | 17.8 | 0.5 | 15.3 | 15.6 | 0.3 | 15.7 | 16.1 | 0.4 | 16.6 | 17.7 | 1.1 |
| 24 | Washington Street/ | AM | 12.6 | 12.6 | 0.0 | 12.7 | 12.7 | 0.0 | 13.0 | 13.0 | 0.0 | 12.8 | 12.8 | 0.0 | 12.4 | 12.5 | 0.1 |
| | Pacific Highway SB-Ramps | PM | 14.9 | 14.9 | 0.0 | 15.1 | 15.1 | 0.0 | 15.3 | 15.3 | 0.0 | 15.5 | 15.5 | 0.0 | 17.4 | 17.6 | 0.2 |
| 25 | Washington Street/ | AM | 33.5 | 33.5 | 0.0 | 46.7 | 46.9 | 0.2 | 56.0 | 56.3 | 0.3 | 59.8 | 60.9 | 1.1 | 31.1 | 21.2 | -9.9 |
| | Pacific Highway NB-Ramps | PM | 67.7 | 68.5 | -0.8 | 107.8 | 100.5 | -7.3 | 130.2 | 130.4 | 0.2 | 156.4 | 157.0 | 0.6 | 79.3 | 79.8 | 0.5 |
| 26 | Washington Street/ | AM | 27.8 | 27.8 | 0.0 | 28.1 | 28.1 | 0.0 | 28.7 | 28.7 | 0.0 | 28.8 | 28.8 | 0.0 | 25.9 | 25.9 | 0.0 |
| | Hancock Street | PM | 30.2 | 30.2 | 0.0 | 30.8 | 30.8 | 0.0 | 32.4 | 32.3 | -0.1 | 32.7 | 32.7 | 0.0 | 28.0 | 28.0 | 0.0 |
| 27 | Washington Street/ | AM | 12.5 | 12.5 | 0.0 | 13.1 | 13.1 | 0.0 | 12.7 | 12.7 | 0.0 | 12.5 | 12.5 | 0.0 | 15.0 | 14.9 | -0.1 |
| | San Diego Avenue | PM | 13.6 | 13.6 | 0.0 | 14.1 | 14.1 | 0.0 | 14.1 | 14.1 | 0.0 | 14.0 | 14.0 | 0.0 | 16.8 | 16.8 | 0.0 |
| 28 | Rosecrans Street/ | AM | 36.1 | 36.1 | 0.0 | 36.4 | 36.4 | 0.0 | 36.1 | 36.1 | 0.0 | 36.2 | 36.2 | 0.0 | 37.3 | 37.3 | 0.0 |
| 20 | Pacific Highway | PM AM | 39.1 | 39.1 | 0.0 | 44.8 | 44.8 21.7 | 0.0 | 41.3 24.3 | 41.3 24.3 | 0.0 | 41.9 | 41.9 23.8 | 0.0 | 42.9 26.8 | 43.0 27.0 | 0.1 |
| 29 | RosecransStreet/ | | 21.8 | 21.8 | 0.0 | 21.8 | | -0.1 | | | 0.0 | 23.6 | | 0.2 | | | 0.2 0.3 |
| | Nimitz Boulevard | PM | 25.0 | 25.0 | 0.0 | 25.3 | 25.2 | -0.1 | 26.7 | 26.7 | 0.0 | 26.5 | 26.6 | 0.1 | 28.9 | 29.2 | Ĺ |

Source: HNTB, 2007



D.5.1.3.3 Freeway Segments

Table D-54 shows the freeway segment operations for each analysis year under the Implementation Plan (With Parking Structure). As shown, all freeway segments would operate at LOS D, E or F under the Implementation Plan during either AM or PM peak hours or both.

Table D-55 compares the freeway segment densities under the Implementation Plan (With Parking Structure) against the No Project Alternative to identify freeway segment impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.01 for freeways operating at LOS E and .005 for freeways operating at LOS F under the No Project Alternative. It was assumed that an increase in volume to capacity ratio of 0.01 and 0.005 is equivalent to an increase in density of 1% and 0.5%, respectively. As shown, none of the freeway segments analyzed would be significantly impacted by the project.

Table D-54 2010-2030 Freeway Segment Operations – Proposed Airport Implementation Plan (With Parking Structure, 2010-2020)

| CD L C | | | | 201 | 0 | | | | | 20 |)15 | | | | | 20 | 20 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|
| SB 1-3 I | Freeway | | AM | | | PM | | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,000 | 34.7 | D | 8,600 | 42.7 | Е | 7,200 | 35.8 | Е | 8,400 | 41.8 | E | 7,000 | 34.8 | D | 9,600 | 48.0 | F |
| I-8 | Old Town Avenue | 7,100 | 35.4 | E | 7,400 | 37.1 | Е | 7,300 | 36.4 | E | 7,400 | 36.9 | E | 6,900 | 34.6 | D | 8,900 | 44.6 | E |
| Old Town Avenue | Washington Street | 5,800 | 29.2 | D | 6,200 | 30.8 | D | 6,000 | 29.9 | D | 6,200 | 31.1 | D | 5,200 | 25.8 | С | 6,400 | 31.9 | D |
| Washington Street | Pacific Highway Viaducts | 6,200 | 31.2 | D | 6,500 | 32.4 | D | 6,400 | 32.1 | D | 6,600 | 33.1 | D | 5,700 | 28.5 | D | 7,500 | 37.6 | E |
| Pacific Highway Viaducts | India Street | 7,200 | 35.8 | Е | 8,200 | 41.1 | Е | 7,400 | 36.7 | Е | 8,400 | 42.0 | Е | 6,200 | 30.9 | D | 8,400 | 41.9 | E |
| India Street | Hawthorn Street | 7,300 | 36.3 | E | 8,400 | 42.0 | Е | 7,500 | 37.4 | E | 8,400 | 41.8 | E | 6,500 | 32.5 | D | 8,800 | 44.1 | E |
| Hawthorn Street | First Avenue | 6,100 | 30.5 | D | 7,500 | 37.4 | Е | 6,300 | 31.4 | D | 7,400 | 36.9 | Е | 5,400 | 26.8 | D | 7,600 | 37.9 | Е |
| First Avenue | SR 163 | 6,500 | 32.3 | D | 9,300 | 46.5 | F | 6,600 | 33.1 | D | 9,400 | 46.9 | F | 5,800 | 28.8 | D | 9,500 | 47.6 | F |
| SR 163 | SR 94 | 3,700 | 18.4 | С | 5,300 | 26.3 | D | 3,900 | 19.4 | С | 5,400 | 26.7 | D | 3,400 | 17.2 | В | 5,500 | 27.2 | D |
| NDIE | Freeway | | | 201 | 0 | | | | | 20 |)15 | | | | | | | | |
| 1 с-1 ам | rreeway | | AM PM | | | | | AM | | | PM | | | AM | | | AM | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10.900 | 54.4 | F | 7.700 | 38.4 | Е | 11.400 | 56.7 | F | 7.900 | 39.5 | Е | 10.700 | 53.6 | F | 7.000 | 34.8 | D |
| SR 163 | First Avenue | 8,400 | 41.7 | Е | 7,800 | 39.0 | Е | 8,600 | 42.8 | E | 7,900 | 39.3 | Е | 8,300 | 41.2 | E | 7,600 | 37.9 | E |
| First Avenue | Hawthorn Street | 7,000 | 35.0 | Е | 6,500 | 32.2 | D | 7,100 | 35.4 | Е | 6,500 | 32.3 | D | 6,600 | 33.1 | D | 5,800 | 29.0 | D |
| Hawthorn Street | India Street | 7,200 | 36.0 | E | 7,700 | 38.5 | E | 7,300 | 36.3 | E | 7,700 | 38.6 | E | 7,000 | 35.1 | Е | 7,300 | 36.6 | E |
| India Street | Pacific Highway Viaducts | 7,200 | 35.7 | Е | 7,600 | 37.7 | E | 7,200 | 36.1 | Е | 7,600 | 37.8 | Е | 6,900 | 34.6 | D | 6,900 | 34.4 | D |
| Pacific Highway Viaducts | Washington Street | 5,300 | 26.4 | D | 6,500 | 32.2 | D | 5,100 | 25.2 | С | 6,100 | 30.6 | D | 4,800 | 24.0 | С | 5,600 | 28.1 | D |
| Washington Street | Old Town Avenue | 6,000 | 29.8 | D | 7,100 | 35.5 | Е | 6,100 | 30.5 | D | 7,200 | 35.8 | E | 6,000 | 29.9 | D | 7,100 | 35.3 | E |
| Old Town Avenue | I-8 | 5,900 | 29.2 | D | 7,300 | 36.4 | Е | 6,100 | 30.2 | D | 7,400 | 36.8 | E | 5,800 | 28.8 | D | 7,000 | 34.7 | D |
| I-8 | North of I-8 | 7,400 | 36.7 | E | 7,500 | 37.2 | E | 7,400 | 37.1 | E | 7,700 | 38.2 | Е | 7,400 | 37.1 | E | 7,800 | 39.2 | E |
| 105 | | 2010 | | | | | | | 20 |)15 | | | | | | | | | |
| I-8 Fr | eeway | | AM | | | PM | | | AM | | | PM | | | AM | | | AM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,800 | 29.1 | D | 7,900 | 39.2 | E | 5,900 | 29.4 | D | 7,800 | 38.9 | E | 5,000 | 25.2 | С | 7,600 | 38.0 | E |
| East | I-5 | 7,100 | 35.6 | F | 7,200 | 36.1 | E | 7.200 | 35.7 | E | 7,600 | 37.8 | E | 6,700 | 33.5 | D | 7,100 | 35.6 | Е |

Source: HNTB, 2007 Numbers may not add due to rounding.

vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane LOS = level of service

Table D-54 (continued)

2010-2030 Freeway Segment Operations – Proposed Airport Implementation Plan (With Parking Structure, 2025-2030)

| - CD LEI | | | | 20 |)25 | | | | | 2 | 2030 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|
| SB 1-5 I | Freeway | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,100 | 35.6 | Е | 9,500 | 47.3 | F | 7,600 | 38.1 | Е | 9,200 | 46.0 | F |
| I-8 | Old Town Avenue | 7,100 | 35.5 | Е | 8,900 | 44.2 | Е | 7,600 | 37.7 | E | 8,400 | 42.1 | E |
| Old Town Avenue | Washington Street | 5,300 | 26.5 | D | 6,400 | 32.0 | D | 5,600 | 27.7 | D | 6,400 | 31.8 | D |
| Washington Street | Pacific Highway Viaducts | 6,000 | 29.8 | D | 7,600 | 38.0 | Е | 6,100 | 30.4 | D | 7,000 | 34.8 | D |
| Pacific Highway Viaducts | India Street | 6,500 | 32.2 | D | 8,500 | 42.3 | E | 6,700 | 33.4 | D | 8,300 | 41.4 | E |
| India Street | Hawthorn Street | 6,800 | 33.7 | D | 8,900 | 44.5 | Е | 6,900 | 34.6 | D | 8,600 | 42.8 | E |
| Hawthorn Street | First Avenue | 5,600 | 27.9 | D | 7,800 | 38.8 | E | 5,600 | 28.1 | D | 7,800 | 39.0 | E |
| First Avenue | SR 163 | 6,100 | 30.2 | D | 9,700 | 48.6 | F | 6,100 | 30.5 | D | 9,800 | 49.1 | F |
| SR 163 | SR 94 | 3,600 | 17.9 | В | 5,600 | 28.1 | D | 3,700 | 18.3 | С | 5,500 | 27.4 | D |
| NR LEI | F | | | | | | | | | 2 | 2030 | | |
| I C-1 dN | Freeway | | AM | | | AM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10,900 | 54.4 | F | 7,100 | 35.5 | Е | 10,700 | 53.6 | F | 7,500 | 37.3 | E |
| SR 163 | First Avenue | 8,400 | 41.9 | Е | 7,700 | 38.5 | Е | 8,100 | 40.5 | Е | 7,700 | 38.2 | E |
| First Avenue | Hawthorn Street | 6,600 | 32.7 | D | 5,900 | 29.2 | D | 6,300 | 31.5 | D | 6,200 | 30.7 | D |
| Hawthorn Street | India Street | 7,000 | 34.7 | D | 7,400 | 36.9 | E | 6,400 | 32.0 | D | 7,900 | 39.6 | E |
| India Street | Pacific Highway Viaducts | 6,800 | 34.2 | D | 7,000 | 34.8 | D | 6,400 | 31.7 | D | 7,200 | 35.8 | E |
| Pacific Highway Viaducts | Washington Street | 4,700 | 23.4 | С | 5,600 | 28.0 | D | 4,400 | 21.8 | С | 5,900 | 29.6 | D |
| Washington Street | Old Town Avenue | 5,900 | 29.4 | D | 7,100 | 35.4 | Е | 5,600 | 27.9 | D | 7,100 | 35.5 | E |
| Old Town Avenue | I-8 | 5,700 | 28.2 | D | 6,900 | 34.3 | D | 5,300 | 26.6 | D | 7,200 | 35.8 | E |
| I-8 | North of I-8 | 7,500 | 37.2 | Е | 7,900 | 39.2 | Е | 7,500 | 37.5 | Е | 8,600 | 43.0 | Е |
| 105- | | | | | | | | | | 2 | 2030 | | |
| 1-8 FT | eeway | | AM | | | AM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,100 | 25.3 | С | 7,600 | 37.8 | E | 4,900 | 24.4 | С | 7,500 | 37.2 | E |
| East | I-5 | 7,000 | 34.7 | D | 7,200 | 36.1 | Е | 7,300 | 36.3 | Е | 7,100 | 35.5 | Е |

Source: HNTB, 2007

Numbers may not add due to rounding.

vph = vehicles per hour pc/mi/ln = passenger cars per mile per lane LOS = level of service

Table D-55

2010-2030 Freeway Segment Impacts – Proposed Airport Implementation Plan (With Parking Structure) – AM Peak Hour

| AM Pe | ak Hour | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| SB I-5 I | Freeway | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| North of I-8 | I-8 | 34.7 | 34.7 | 0.0% | 35.8 | 35.8 | 0.0% | 34.8 | 34.8 | 0.1% | 35.6 | 35.6 | 0.2% | 38.0 | 38.1 | 0.3% |
| I-8 | Old Town Avenue | 35.4 | 35.4 | 0.1% | 36.4 | 36.4 | 0.1% | 34.5 | 34.6 | 0.1% | 35.4 | 35.5 | 0.2% | 37.5 | 37.7 | 0.4% |
| Old Town Avenue | Washington Street | 29.1 | 29.2 | 0.1% | 29.9 | 29.9 | 0.1% | 25.7 | 25.8 | 0.2% | 26.5 | 26.5 | 0.3% | 27.6 | 27.7 | 0.5% |
| Washington Street | Pacific Highway Viaducts | 31.2 | 31.2 | 0.0% | 32.1 | 32.1 | 0.0% | 28.5 | 28.5 | 0.0% | 29.8 | 29.8 | 0.0% | 30.4 | 30.4 | 0.0% |
| Pacific Highway Viaducts | India Street | 35.8 | 35.8 | 0.1% | 36.7 | 36.7 | 0.1% | 30.9 | 30.9 | 0.1% | 32.2 | 32.2 | 0.1% | 33.4 | 33.4 | 0.1% |
| India Street | Hawthorn Street | 36.3 | 36.3 | 0.1% | 37.4 | 37.4 | 0.1% | 32.5 | 32.5 | 0.1% | 33.7 | 33.7 | 0.1% | 34.5 | 34.6 | 0.1% |
| Hawthorn Street | First Avenue | 30.5 | 30.5 | 0.0% | 31.4 | 31.4 | 0.0% | 26.8 | 26.8 | 0.0% | 27.8 | 27.9 | 0.2% | 28.0 | 28.1 | 0.5% |
| First Avenue | SR 163 | 32.3 | 32.3 | 0.0% | 33.1 | 33.1 | 0.0% | 28.8 | 28.8 | 0.0% | 30.1 | 30.2 | 0.2% | 30.4 | 30.5 | 0.5% |
| SR 163 | SR 94 | 18.4 | 18.4 | 0.0% | 19.4 | 19.4 | 0.0% | 17.2 | 17.2 | 0.1% | 17.8 | 17.9 | 0.4% | 18.2 | 18.3 | 0.8% |

| NB I-5 F | reeway | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| SR 94 | SR 163 | 54.4 | 54.4 | 0.0% | 56.7 | 56.7 | 0.0% | 53.6 | 53.6 | 0.1% | 54.3 | 54.4 | 0.2% | 53.4 | 53.6 | 0.4% |
| SR 163 | First Avenue | 41.7 | 41.7 | 0.0% | 42.7 | 42.8 | 0.0% | 41.2 | 41.2 | 0.1% | 41.8 | 41.9 | 0.3% | 40.3 | 40.5 | 0.6% |
| First Avenue | Hawthorn Street | 35.0 | 35.0 | 0.1% | 35.4 | 35.4 | 0.1% | 33.1 | 33.1 | 0.1% | 32.6 | 32.7 | 0.4% | 31.3 | 31.5 | 0.7% |
| Hawthorn Street | India Street | 35.9 | 36.0 | 0.1% | 36.3 | 36.3 | 0.1% | 35.1 | 35.1 | 0.2% | 34.6 | 34.7 | 0.2% | 31.9 | 32.0 | 0.2% |
| India Street | Pacific Highway Viaducts | 35.7 | 35.7 | 0.0% | 36.1 | 36.1 | 0.0% | 34.6 | 34.6 | 0.0% | 34.2 | 34.2 | 0.0% | 31.7 | 31.7 | 0.0% |
| Pacific Highway Viaducts | Washington Street | 26.4 | 26.4 | 0.0% | 25.2 | 25.2 | 0.0% | 24.0 | 24.0 | 0.0% | 23.4 | 23.4 | 0.0% | 21.8 | 21.8 | 0.0% |
| Washington Street | Old Town Avenue | 29.8 | 29.8 | 0.1% | 30.5 | 30.5 | 0.0% | 29.9 | 29.9 | 0.1% | 29.3 | 29.4 | 0.2% | 27.8 | 27.9 | 0.3% |
| Old Town Avenue | I-8 | 29.2 | 29.2 | 0.1% | 30.2 | 30.2 | 0.0% | 28.8 | 28.8 | 0.1% | 28.2 | 28.2 | 0.2% | 26.5 | 26.6 | 0.3% |
| I-8 | North of I-8 | 36.7 | 36.7 | 0.0% | 37.1 | 37.1 | 0.0% | 37.1 | 37.1 | 0.0% | 37.2 | 37.2 | 0.1% | 37.4 | 37.5 | 0.2% |

| I-8 Fr | eeway | | | | | | | | | | | | | | | |
|--------|-------|--------------------------|------|------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| From | То | No Project (pc/mi/ln) | | | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| I-5 | East | 29.1 | 29.1 | 0.0% | 29.4 | 29.4 | 0.0% | 25.2 | 25.2 | 0.0% | 25.3 | 25.3 | 0.1% | 24.4 | 24.4 | 0.3% |
| East | I-5 | 35.6 | 35.6 | 0.0% | 35.7 | 35.7 | 0.0% | 33.5 | 33.5 | 0.0% | 34.7 | 34.7 | 0.1% | 36.2 | 36.3 | 0.3% |

Source: HNTB, 2007

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Legend:

LOS E LOS F

Significant Impact

Table D-55 (continued)

2010-2030 Freeway Segment Impacts – Proposed Airport Implementation Plan (With Parking Structure) – PM Peak Hour

| | ak Hour Freewav | | Year 2010 | | 1 | Year 2015 | | | Year 2020 | | 1 | Year 2025 | | 1 | Year 2030 | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| From | To | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| North of I-8 | I-8 | 42.7 | 42.7 | 0.0% | 41.8 | 41.8 | 0.0% | 48.0 | 48.0 | 0.0% | 47.2 | 47.3 | 0.1% | 45.9 | 46.0 | 0.2% |
| I-8 | Old Town Avenue | 37.1 | 37.1 | 0.0% | 36.9 | 36.9 | 0.0% | 44.6 | 44.6 | 0.1% | 44.1 | 44.2 | 0.1% | 42.0 | 42.1 | 0.2% |
| Old Town Avenue | Washington Street | 30.7 | 30.8 | 0.0% | 31.1 | 31.1 | 0.0% | 31.9 | 31.9 | 0.1% | 32.0 | 32.0 | 0.2% | 31.7 | 31.8 | 0.3% |
| Washington Street | Pacific Highway Viaducts | 32.4 | 32.4 | 0.0% | 33.1 | 33.1 | 0.0% | 37.6 | 37.6 | 0.0% | 38.0 | 38.0 | 0.0% | 34.8 | 34.8 | 0.0% |
| Pacific Highway Viaducts | India Street | 41.1 | 41.1 | 0.1% | 41.9 | 42.0 | 0.1% | 41.9 | 41.9 | 0.2% | 42.2 | 42.3 | 0.2% | 41.3 | 41.4 | 0.2% |
| India Street | Hawthorn Street | 41.9 | 42.0 | 0.1% | 41.7 | 41.8 | 0.1% | 44.0 | 44.1 | 0.1% | 44.5 | 44.5 | 0.2% | 42.7 | 42.8 | 0.2% |
| Hawthorn Street | First Avenue | 37.4 | 37.4 | 0.1% | 36.8 | 36.9 | 0.1% | 37.9 | 37.9 | 0.1% | 38.7 | 38.8 | 0.3% | 38.8 | 39.0 | 0.6% |
| First Avenue | SR 163 | 46.5 | 46.5 | 0.1% | 46.8 | 46.9 | 0.1% | 47.6 | 47.6 | 0.1% | 48.5 | 48.6 | 0.2% | 48.9 | 49.1 | 0.4% |
| SR 163 | SR 94 | 26.3 | 26.3 | 0.1% | 26.7 | 26.7 | 0.1% | 27.1 | 27.2 | 0.2% | 28.0 | 28.1 | 0.4% | 27.2 | 27.4 | 0.8% |

| NB I-5 F | reeway | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| SR 94 | SR 163 | 38.4 | 38.4 | 0.0% | 39.5 | 39.5 | 0.0% | 34.8 | 34.8 | 0.1% | 35.4 | 35.5 | 0.2% | 37.2 | 37.3 | 0.4% |
| SR 163 | First Avenue | 39.0 | 39.0 | 0.0% | 39.3 | 39.3 | 0.0% | 37.9 | 37.9 | 0.1% | 38.5 | 38.5 | 0.2% | 38.0 | 38.2 | 0.4% |
| First Avenue | Hawthorn Street | 32.2 | 32.2 | 0.0% | 32.3 | 32.3 | 0.0% | 29.0 | 29.0 | 0.1% | 29.1 | 29.2 | 0.3% | 30.6 | 30.7 | 0.5% |
| Hawthorn Street | India Street | 38.5 | 38.5 | 0.1% | 38.5 | 38.6 | 0.1% | 36.5 | 36.6 | 0.1% | 36.8 | 36.9 | 0.1% | 39.5 | 39.6 | 0.2% |
| India Street | Pacific Highway Viaducts | 37.7 | 37.7 | 0.0% | 37.8 | 37.8 | 0.0% | 34.4 | 34.4 | 0.0% | 34.8 | 34.8 | 0.0% | 35.8 | 35.8 | 0.0% |
| Pacific Highway Viaducts | Washington Street | 32.2 | 32.2 | 0.0% | 30.6 | 30.6 | 0.0% | 28.1 | 28.1 | 0.0% | 28.0 | 28.0 | 0.0% | 29.6 | 29.6 | 0.0% |
| Washington Street | Old Town Avenue | 35.5 | 35.5 | 0.1% | 35.7 | 35.8 | 0.1% | 35.3 | 35.3 | 0.1% | 35.3 | 35.4 | 0.2% | 35.4 | 35.5 | 0.4% |
| Old Town Avenue | I-8 | 36.4 | 36.4 | 0.1% | 36.8 | 36.8 | 0.1% | 34.6 | 34.7 | 0.1% | 34.2 | 34.3 | 0.2% | 35.7 | 35.8 | 0.4% |
| I-8 | North of I-8 | 37.2 | 37.2 | 0.0% | 38.2 | 38.2 | 0.0% | 39.1 | 39.2 | 0.1% | 39.1 | 39.2 | 0.1% | 42.9 | 43.0 | 0.3% |

| I-8 Fre | eeway | | | | | | | | | | | | | | | |
|---------|-------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|------|---------------------|--------------------------|-----------------------|---------------------|
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| I-5 | East | 39.2 | 39.2 | 0.0% | 38.9 | 38.9 | 0.0% | 38.0 | 38.0 | 0.1% | 37.8 | 37.8 | 0.1% | 37.1 | 37.2 | 0.2% |
| East | I-5 | 36.1 | 36.1 | 0.0% | 37.8 | 37.8 | 0.0% | 35.6 | 35.6 | 0.0% | 36.1 | 36.1 | 0.1% | 35.4 | 35.5 | 0.2% |

Source: HNTB, 2007

Notes: vph = vehicles per hour pc/mi/ln = passenger cars per mile per lane



San Diego International Airport 80 SDIA Master Plan EIR

D.5.1.3.4 Freeway Ramps

Table D-56 summarizes the freeway ramp metering operations for each analysis year under the Implementation Plan (With Parking Structure). As shown, all freeway ramps in the study area were estimated to accommodate a lower traffic volume than their set meter rates and, therefore, would have no significant traffic impact.

Table D-56

2010-2030 Freeway Ramp Operations – Proposed Airport Implementation Plan
(With Parking Structure)

| | | | | Year 2010 | | | | | Year 2015 | | |
|------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 799 | 1,992 | 0 | 0 | 0 | 525 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOM San Diego | PM | 871 | 1,992 | 0 | 0 | 0 | 505 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 766 | 1,992 | 0 | 0 | 0 | 1,042 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIUIA | PM | 830 | 1,992 | 0 | 0 | 0 | 1,120 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 106 | 996 | 0 | 0 | 0 | 124 | 996 | 0 | 0 | 0 |
| 1-5 SB IIOIII Kellilei | PM | 188 | 996 | 0 | 0 | 0 | 138 | 996 | 0 | 0 | 0 |
| I-5 SB from | AM | 476 | 1,140 | 0 | 0 | 0 | 481 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 276 | 1,140 | 0 | 0 | 0 | 289 | 1,140 | 0 | 0 | 0 |

| | | | | Year 2020 | | | | | Year 2025 | | |
|------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| LE ND from Can Diago | AM | 760 | 1,992 | 0 | 0 | 0 | 791 | 1,992 | 0 | 0 | 0 |
| I-5 NB from San Diego | PM | 889 | 1,992 | 0 | 0 | 0 | 670 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 868 | 1,992 | 0 | 0 | 0 | 705 | 1,992 | 0 | 0 | 0 |
| I-5 NB IIOIII IIIUIA | PM | 1,090 | 1,992 | 0 | 0 | 0 | 1,068 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 139 | 996 | 0 | 0 | 0 | 139 | 996 | 0 | 0 | 0 |
| 1-5 SB IIOIII Kellilei | PM | 243 | 996 | 0 | 0 | 0 | 257 | 996 | 0 | 0 | 0 |
| I-5 SB from Grape | AM | 876 | 1,992 | 0 | 0 | 0 | 987 | 1,992 | 0 | 0 | 0 |
| 1-3 35 HOILI Grape | PM | 1,708 | 1,992 | 0 | 0 | 0 | 1,818 | 1,992 | 0 | 0 | 0 |
| I-5 SB from | AM | 524 | 1,140 | 0 | 0 | 0 | 570 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 919 | 1,140 | 0 | 0 | 0 | 896 | 1,140 | 0 | 0 | 0 |

| | | | | Year 2030 | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 890 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOTTI Satt Diego | PM | 707 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 1,337 | 1,992 | 0 | 0 | 0 |
| 1-5 IND ITOTTI ITICIA | PM | 1,675 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 95 | 996 | 0 | 0 | 0 |
| 1-5 SB HOITI Kettilei | PM | 182 | 996 | 0 | 0 | 0 |
| I-5 SB from Grape | AM | 1,045 | 1,992 | 0 | 0 | 0 |
| 1-5 SB IIOIII GIAPE | PM | 1,926 | 1,992 | 0 | 0 | 0 |
| I-5 SB from | AM | 594 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 477 | 1,140 | 0 | 0 | 0 |
| Source: HNTB, 2007 | | | | | | |

veh/hr = vehicles per hour

D.5.1.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 <u>San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis 15 report.</u> Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44% increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32

Linscott, Law & Greenspan Engineers March 3, 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.

trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips. For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-57 summarizes the railroad crossing delay analysis for each analysis year under the Implementation Plan (with Parking Structure). As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in 2010, 2015 and 2030. Washington Street railroad crossings exceeded the threshold of VHD in 2020 and 2025. However, due to shifts in regional background traffic described in Section D.2.1.1 *Airport Trip Generation and Background Traffic*, total traffic on Washington Street in 2030 decreased causing the VHD to decrease to a level of insignificance.

Table D-57

2010-2030 Railroad Crossing Operations – Proposed Airport Implementation Plan
(With Parking Structure)

| | | | Year 2010 | | |
|--------------------|-----------|--------|------------|-----|-----------|
| | | | | | |
| 0 | | | Total gate | | |
| Crossing | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 20,400 | | 64 | No |
| Sassafras Street | 75 | 14,200 | 3.44 | 23 | No |
| Palm Street | 75 | 900 | 3.44 | 0 | No |
| Laurel Street | 300 | 25,100 | 0.77 | 1 | No |
| Hawthorn Street | 150 | 18,500 | 0.77 | 10 | No |
| Grape Street | 300 | 28,900 | 0.77 | 18 | No |
| | • | | | | |
| | | | Year 2015 | | |
| | | | 10012010 | | I |
| | | | Total gate | | |
| Crossing | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 23,300 | 8.53 | 135 | No |
| Sassafras Street | 150 | 16,600 | | 49 | No |
| Palm Street | 75 | 900 | | 0 | No |
| | 300 | | | 1 | No |
| Laurel Street | | 28,900 | | 12 | |
| Hawthorn Street | 150 | 20,700 | | 22 | No |
| Grape Street | 300 | 31,500 | 0.80 | 22 | No |
| | | | | | |
| | | | Year 2020 | | |
| | | | | | |
| Crossing | | | Total gate | | |
| 0.000g | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,500 | 8.94 | 166 | Yes |
| Sassafras Street | 150 | 16,900 | | 60 | No |
| Palm Street | 75 | 300 | | 0 | No |
| Laurel Street | 300 | 30,300 | | 1 | No |
| Hawthorn Street | 150 | 23,400 | | 23 | No |
| Grape Street | 300 | 34,400 | 1.13 | 44 | No |
| | | | | | |
| | | | Year 2025 | | |
| | | | | | |
| 0 | | | Total gate | | |
| Crossing | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,900 | | 180 | Yes |
| Sassafras Street | 150 | 18,400 | | 71 | No |
| Palm Street | 75 | 100 | | 0 | No |
| Laurel Street | 300 | 31,800 | | 0 | No |
| Hawthorn Street | 150 | 24,800 | 1.46 | 31 | No |
| Grape Street | 300 | 35,700 | 1.46 | 59 | No |
| | | | | | |
| | 1 | | Year 2030 | | |
| | | | Teal 2030 | | |
| | | | Total gate | | |
| Crossing | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| | | | | VHD | VHD Limit |
| Machinetes Ct.:: | Threshold | Volume | (hours) | | |
| Washington Street | 150 | 19,200 | 9.95 | 138 | No No |
| Sassafras Street | 75 75 | 14,600 | | 56 | No No |
| Palm Street | 75 | 100 | | 0 | No |
| Laurel Street | 300 | 34,600 | | 0 | No |
| Hawthorn Street | 300 | 26,600 | | 44 | No No |
| Grape Street | 300 | 37,500 | 1.85 | 82 | No |
| Source: HNTB, 2007 | | | | | |

Numbers may not add due to rounding.

VHD = vehicle-hours of delay ADT = average daily traffic

D.5.1.3.6 Transit

Under the Implementation Plan (With Parking Structure) no existing or planned transit routes would be modified. Therefore, no significant impact would occur to transit operations and no mitigation is required.

D.5.1.3.7 Parking

The Implementation Plan (With Parking Structure) would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. In addition, the Implementation Plan (With Parking Structure) would provide additional airport public parking

spaces (as previously discussed in **Section D.5.1**) that would address the projected parking shortfall under the No Project Alternative. This is considered as a favorable parking impact of the Implementation Plan (With Parking Structure) compared to the No Project Alternative.

D.5.1.3.8 Terminal Curbside

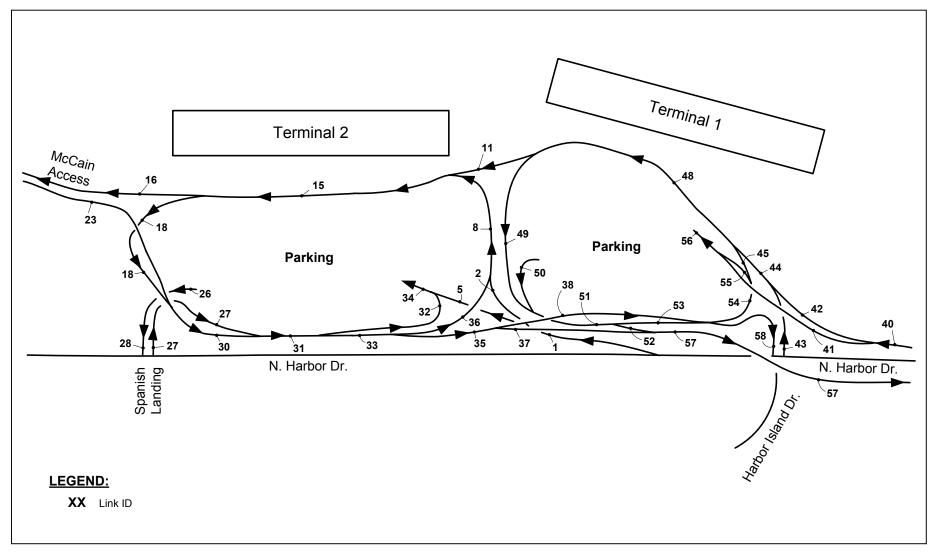
Currently 6,630 linear feet of curbside is available between all three terminals. In 2015 under the Implementation Plan (with Parking Structure), 7,150 linear feet of curbside is required at all terminals to accommodate private and commercial vehicle demand. Out of that total 3,660 feet of private and commercial vehicle curbside is required at Terminal 2 to accommodate demand associated with passengers at the new and existing aircraft gates. Currently Terminal 2 has 2,820 linear feet of curbside which is 840 feet short of the 2015 requirement. The No Project Alternative would maintain the existing curbside supply, which would result in a curbside deficit of 520 linear feet, Under the Implementation Plan (With Parking Structure) an additional 1,370 linear feet of curbside would be provided at Terminal 2 for a total of 8,000 linear feet, providing an airport-wide surplus of 760 linear feet in 2015. Therefore, the Implementation Plan (With Parking Structure) would result in favorable curbside impact compared to the No Project Alternative.

D.5.1.3.9 On-Airport Traffic Circulation

Table D-58 shows the on-airport roadway operations for each analysis year under the Implementation Plan (With Parking Structure). Please refer to **Figure D.5-2** for link ID key map. As shown, all terminal roadways would operate at LOS D or better during peak hours under the Implementation Plan (With Parking Structure). Therefore, there would be no significant on-airport traffic circulation impact under the Implementation Plan (With Parking Structure) compared to the No Project Alternative, and no mitigation is required.

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Appendix D.5-2

On-Airport Roadway Link ID Key Map Proposed Airport Implementation Plan (with Parking Structure)

Table D-58
2010-2030 On-Airport Roadway Peak Hour Operations – Proposed Airport Implementation Plan

| | | | | 10 | | | | 45 | | | | 2022 | | |
|--------------|-------|------------|-------------|----------------|--------|------------|--------------|----------------|--------|---------------|--------|---------------------|---------|--|
| Link ID | Lanes | AM | LOS | 10 PM | LOS | AM | LOS | 15 PM | LOS | AM | LOS | 2020 PM | LOS | |
| 1 | 2 | 450 | A | 371 | A | 563 | В | 464 | A | 637 | В | 526 | В | |
| 2 | 2 | 369 | A | 313 | A | 454 | A | 387 | A | 509 | В | 435 | A | |
| 3 | | 000 | Link No | | , , | 101 | Link No | | | 000 | | Link Not Use | | |
| 4 | | | | ot Used | | | Link No | | | | | Link Not Use | | |
| 5 | 2 | 82 | Α | 58 | Α | 109 | Α | 77 | Α | 127 | Α | 91 | Α | |
| 6 | | | Link No | ot Used | | | Link No | ot Used | • | Link Not Used | | | | |
| 7 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Use | b | |
| 8 | 4 | 470 | Α | 399 | Α | 577 | Α | 491 | Α | 646 | Α | 551 | Α | |
| 9 | | | Link No | ot Used | | | Link No | ot Used | | 0 | Α | 0 | Α | |
| 10 | | | | ot Used | | | Link No | | | 0 | Α | 0 | Α | |
| 11 | 1 | 179 | Α | 201 | Α | 202 | Α | 227 | Α | 220 | Α | 248 | В | |
| 12 | | | | ot Used | | | | ot Used | | | | Link Not Use | | |
| 13 | | | | ot Used | | | | ot Used | | | | Link Not Use | | |
| 14 | | 0.40 | | ot Used | | 770 | Link No | | | 000 | | Link Not Use | | |
| 15 | 8 | 649 | A | 600 | A | 779 | A | 718 | A | 866 | A | 799 | A | |
| 16 17 | 2 | 153 | A Link N | 134 ot Used | Α | 181 | A Link No | 156 ot Used | Α | 198 | Α | 172 Link Not Use | A | |
| 18 | 2 | 495 | B | 466 | Α | 598 | B EINK INC | 562 | В | 667 | В | 627 | В | |
| 19 | | 495 | | ot Used | A | 396 | Link No | | ь | 007 | | Link Not Use | | |
| 20 | | | | ot Used | | | Link No | | | | | Link Not Use | | |
| 21 | | | | ot Used | | | Link No | | | | | Link Not Use | | |
| 22 | | | | ot Used | | | | ot Used | | | | Link Not Use | | |
| 23 | 2 | 67 | A | 57 | Α | 79 | Α | 66 | A | 86 | Α | 74 | Α | |
| 24 | | | Link No | ot Used | | | Link No | ot Used | • | | | Link Not Use | <u></u> | |
| 25 | | | Link No | ot Used | | | Link No | ot Used | | | | Link Not Use | d | |
| 26 | 2 | 49 | Α | 106 | Α | 66 | Α | 142 | Α | 77 | Α | 166 | Α | |
| 27 | 1 | 80 | Α | 66 | Α | 100 | Α | 83 | Α | 113 | Α | 93 | Α | |
| 28 | 2 | 49 | Α | 106 | Α | 66 | Α | 142 | Α | 77 | Α | 166 | Α | |
| 29 | | | | ot Used | | | | ot Used | | | | Link Not Use | | |
| 30 | 2 | 562 | В | 523 | В | 677 | В | 628 | В | 754 | В | 701 | В | |
| 31 | 3 | 642 | Α | 589 | A | 777 | В | 711 | В | 867 | В | 794 | В | |
| 32 | 1 | 14 | Α | 10 | A | 19 | A | 14 | A | 23 | A | 16 | Α | |
| 33 | 3 | 628 | A A | 579 | A | 758 128 | В | 697 91 | A | 844 150 | В | 778 107 | B | |
| | 2 | 96 | B | 68 | A B | | A | - | A B | | A B | | A B | |
| 35 36 | 1 | 526 101 | A | 493 86 | A | 635 123 | B A | 593 104 | A | 708 136 | A | 661 117 | A | |
| 37 | 1 | 471 | C | 442 | C | 574 | C | 537 | C | 642 | D | 601 | D | |
| 38 | 1 | 55 | A | 51 | A | 61 | A | 57 | A | 66 | A | 61 | A | |
| 39 | · | - 00 | | ot Used | , , | 0. | | ot Used | | - 00 | | Link Not Use | | |
| 40 | 2 | 540 | В | 498 | В | 601 | В | 559 | В | 656 | В | 612 | В | |
| 41 | 1 | 68 | Ā | 49 | A | 68 | A | 48 | Ā | 68 | Ā | 49 | A | |
| 42 | 2 | 472 | В | 449 | Α | 533 | В | 511 | В | 589 | В | 564 | В | |
| 43 | 1 | 75 | Α | 62 | Α | 84 | Α | 69 | Α | 92 | Α | 77 | Α | |
| 44 | 3 | 547 | Α | 511 | Α | 617 | Α | 580 | Α | 680 | Α | 640 | Α | |
| 45 | 1 | 32 | Α | 27 | А | 37 | Α | 31 | Α | 41 | Α | 35 | Α | |
| 46 | | | | ot Used | | | Link No | | | | | Link Not Use | | |
| 47 | | | | ot Used | | | Link No | | | | | Link Not Use | | |
| 48 | 4 | 579 | Α | 538 | A | 654 | Α | 611 | Α | 721 | Α | 675 | A | |
| 49 | 2 | 400 | A | 337 | A | 452 | A | 384 | A | 501 | В | 427 | A | |
| 50 | 1 | 42 | A | 90 | A | 41 | A | 89 | A | 41 | A | 89 | Α | |
| 51 | 3 | 442 | A | 427 | A | 493 403 | A | 473 | A | 542 | A | 516 | A | |
| 52 53 | 2 | 360 82 | A A | 351 77 | A A | 90 | A A | 389 84 | A | 444 98 | A | 425 91 | A A | |
| 53 | 1 | 82 45 | A | 36 | A | 50 | A | 40 | A | 98 54 | A | 44 | A | |
| 55 | 1 | 13 | A | 9 | A | 13 | A | 9 | A | 13 | A | 9 | A | |
| 56 | 4 | 81 | A | 58 | A | 81 | A | 57 | A | 81 | A | 58 | A | |
| 57 | 2 | 831 | B | 792 | B | 977 | B | 926 | B | 1,086 | C | 1,026 | B | |
| 58 | 2 | 92 | A | 92 | A | 101 | A | 101 | A | 110 | A | 1,020 | A | |
| Source: HNTB | | | | | | | | | | | | | | |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.5-2 – Proposed Airport Implementation Plan

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Table D-58 (continued)
2010-2030 On-Airport Roadway Peak Hour Operations – Proposed Airport Implementation Plan

| | I. | T | 20 | 125 | | 2030 | | | | | | | |
|-----------------|-------|------------|---------------|-----------|--------|------------|----------|-----------|--------|--|--|--|--|
| Link ID | Lanes | AM | LOS | PM | LOS | AM | LOS | PM | LOS | | | | |
| 1 | 2 | 694 | В | 572 | В | 722 | В | 597 | В | | | | |
| 2 | 2 | 554 | В | 473 | В | 578 | В | 495 | В | | | | |
| 3 | | 001 | | ot Used | | 0/0 | | ot Used | | | | | |
| 4 | | | | ot Used | | | | ot Used | | | | | |
| 5 | 2 | 140 | A | 99 | Α | 144 | A | 103 | А | | | | |
| 6 | _ | | | ot Used | , , | | | ot Used | | | | | |
| 7 | | | | ot Used | | | | ot Used | | | | | |
| 8 | 4 | 701 | A | 599 | Α | 765 | Α | 654 | А | | | | |
| 9 | | 0 | Α | 0 | Α | | Link No | ot Used | | | | | |
| 10 | | 0 | Α | 0 | Α | | Link No | ot Used | | | | | |
| 11 | 1 | 232 | Α | 262 | В | 241 | В | 273 | В | | | | |
| 12 | | | Link No | ot Used | • | | Link No | ot Used | | | | | |
| 13 | | | Link No | ot Used | | | Link No | ot Used | | | | | |
| 14 | | | Link No | ot Used | | | Link No | ot Used | | | | | |
| 15 | 8 | 933 | Α | 861 | Α | 1,006 | Α | 927 | Α | | | | |
| 16 | 2 | 211 | Α | 184 | Α | 253 | Α | 219 | Α | | | | |
| 17 | | | Link No | ot Used | | | Link No | ot Used | | | | | |
| 18 | 2 | 722 | В | 677 | В | 753 | В | 708 | В | | | | |
| 19 | | | Link No | ot Used | | | Link N | ot Used | | | | | |
| 20 | | | | ot Used | | | Link N | ot Used | | | | | |
| 21 | | | Link No | ot Used | | | Link No | ot Used | | | | | |
| 22 | | | Link No | ot Used | | | Link N | ot Used | | | | | |
| 23 | 2 | 92 | Α | 79 | Α | 97 | Α | 83 | Α | | | | |
| 24 | | | Link No | ot Used | | | Link No | ot Used | | | | | |
| 25 | | | Link No | ot Used | | | Link N | ot Used | | | | | |
| 26 | 2 | 84 | Α | 182 | Α | 91 | Α | 197 | Α | | | | |
| 27 | 1 | 123 | Α | 102 | Α | 169 | Α | 140 | Α | | | | |
| 28 | 2 | 84 | Α | 182 | Α | 91 | Α | 197 | Α | | | | |
| 29 | | | | ot Used | | | | ot Used | | | | | |
| 30 | 2 | 814 | С | 756 | В | 850 | С | 790 | В | | | | |
| 31 | 3 | 937 | В | 857 | В | 1,019 | В | 930 | В | | | | |
| 32 | 1 | 25 | Α | 18 | Α | 34 | Α | 24 | Α | | | | |
| 33 | 3 | 912 | В | 839 | В | 985 | В | 906 | В | | | | |
| 34 | 4 | 165 | A | 117 | Α | 178 | A | 127 | A | | | | |
| 35 | 2 | 765 | В | 714 | В | 798 | С | 746 | В | | | | |
| 36 | 1 | 147 | A | 126 | Α | 186 | A | 159 | A | | | | |
| 37 | 1 | 696 | <u>D</u> | 650 | D | 727 | <u>D</u> | 680 | D | | | | |
| 38 | 1 | 69 | A | 63 | Α | 72 | A | 66 | Α | | | | |
| 39 | | 222 | | ot Used | | 070 | | ot Used | | | | | |
| 40 | 2 | 689 | <u>B</u> | 644 | В | 679 | <u>B</u> | 639 | В | | | | |
| 41 | 1 | 68 | A | 49 | A | 65 | <u>A</u> | 46 | A | | | | |
| 42 | 2 | 621 | В | 595 | В | 614 | В | 593 | В | | | | |
| 43 | | 96 | A | 80 675 | A | 120 | A | 101 | A | | | | |
| 44 | 3 | 717 | B | 675 | A | 734 | B | 694 | Α | | | | |
| 45 | 1 | 43 | A Link N | 37 | Α | 45 | A Link N | 39 | Α | | | | |
| 46 | | | | ot Used | | - | | ot Used | | | | | |
| 47 | А | 760 | | ot Used | ٨ | 770 | | ot Used | Λ | | | | |
| 48 | 2 | 760 528 | <u>А</u> В | 712 | Α Λ | 779 538 | A B | 733 | Α | | | | |
| 49 | 1 | 528 42 | | 450 90 | A | 538 | | 460 | A | | | | |
| 50 51 | 3 | 570 | A A | 540 | A A | 42 580 | A A | 90 550 | Α | | | | |
| 52 | 2 | 467 | A | 446 | A | 452 | A | 431 | A A | | | | |
| 53 | 1 | 103 | A | 95 | A | 129 | A | 119 | A | | | | |
| 54 | 1 | 56 | A | 46 | A | 61 | A | 51 | A | | | | |
| 55 55 | 1 | 13 | A | 9 | A | 16 | A | 12 | A | | | | |
| | 4 | 81 | | 58 | | 81 | | 58 | | | | | |
| <u>56</u> 57 | 2 | 1,164 | A C | 1,096 | A C | 1,178 | A C | 1,111 | A C | | | | |
| 58 | 2 | 1,164 | A | 1,096 | A | 1,176 | A | 134 | A | | | | |
| 36 | 2 | 110 | Α | 112 | А | 130 | Α | 134 | | | | | |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.5-2 – Proposed Airport Implementation Plan

D.5.2 <u>Proposed Airport Implementation Plan (Without Parking Structure)</u>

For this variation of the Preferred Alternative all elements of the Proposed Airport Implementation Plan are the same as described in Section D.5.1, *Proposed Airport Implementation Plan (with Parking Structure)* except that no parking structure will be constructed. The existing Terminal Two parking lot will be maintained.

D.5.2.1 Assumptions

Except for the parking structure, this scenario shares most of the assumptions used for the Proposed Implementation Plan (With Parking Structure), including construction of a second level roadway/curbside at Terminal 2 independent of the parking structure to serve curbside demand. Assumptions that differ from previous discussion include:

 Excess parking demand will be served by remote parking facilities, both Airport operated SAN Park facilities and privately owned facilities, and alternate modes of transportation.

D.5.2.2 Trip Generation and Terminal Distribution

Total trip generation associated with the Implementation Plan (Without Parking Structure) is summarized in **Table D-59**. As shown, total airport trip generation would increase from approximately 94,600 ADT in 2010 to 134,600 ADT in 2030. This corresponds to an increase in air passenger forecast of 19.5 million annual passengers (MAP) in 2010 to 28.2 MAP in 2030. This represents an increase in trip generation of approximately 5,900 ADT or 4.4% from the No Project Alternative in 2030. Trips from most airport modes increase in relation to passenger growth, however, schedule driven modes such as public buses, and airport operated inter-terminal, employee parking and public parking shuttles grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate from 4.86 1.85 to 1.81 in 2010 and 2030, respectively. The total trip generation rate for the Implementation Plan (without Parking Structure) also decreases slightly from the Implementation Plan (With Parking Structure) in 2030, 1.81 versus 1.82 respectively. This is the result of severely constrained parking conditions in 2030, however, much of the benefit gained from passengers switching to higher occupancy vehicles is offset by increased curbside trips in private vehicles and taxicabs which produce more trips per passenger than terminal parking.

Terminal passenger distribution is assumed to be the same under the Implementation Plan with and without parking structure and is discussed in Section D.5.1.2, *Proposed Airport Implementation Plan*. Therefore, the terminal passenger distribution for the Implementation Plan (Without Parking Structure) would be the same as for the Proposed Airport Implementation Plan (With Parking Structure), as shown previously in Table D-39.

Table D-59

2010-2030 Airport Trip Generation – Proposed Airport Implementation Plan
(Without Parking Structure)

| | | | Υe | ear | | |
|----------------------------------|--------|--------|---------|---------|---------|---------|
| Activity | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
| | | | | | | |
| Airport Passenger Activity Level | | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 19.5 | 22.8 | 25.1 | 26.6 | 28.2 |
| Million Annual O&D Passengers | 16.7 | 18.6 | 21.8 | 24.0 | 25.4 | 27.0 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,770 | 66,220 | 70,553 | 74,199 |
| | | | | | | |
| Airport Trip Generation (1) | | | | | | |
| Daily | 85,100 | 94,600 | 109,500 | 120,650 | 128,200 | 134,600 |
| In | 42,600 | 47,350 | 54,800 | 60,400 | 64,150 | 67,350 |
| Out | 42,500 | 47,250 | 54,700 | 60,300 | 64,050 | 67,250 |
| AM Peak Hour | 3,180 | 3,530 | 4,095 | 4,500 | 4,800 | 5,065 |
| In | 1,760 | 1,955 | 2,265 | 2,500 | 2,650 | 2,785 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,245 | 3,620 | 4,190 | 4,650 | 4,950 | 5,185 |
| In | 1,500 | 1,675 | 1,940 | 2,150 | 2,300 | 2,410 |
| Out | 1,745 | 1,945 | 2,250 | 2,500 | 2,650 | 2,775 |
| Trip Rate | | | | | | |
| Daily | 1.86 | 1.85 | 1.83 | 1.82 | 1.82 | 1.81 |
| | | | | | | |

O&D = origin and destination

Notes:

Source: HNTB, 2007.

D.5.2.3 Traffic Impacts

Traffic impacts of the Implementation Plan (Without Parking Structure) would be primarily the same as under the Implementation Plan (With Parking Structure) except for the on-airport (terminal) roadways, street segments and intersections along North Harbor Drive directly serving Terminals 1 and 2. Specific impact categories are discussed in this section.

D.5.2.3.1 Street Segments

Table D-60 summarizes the street segment operations for each analysis year under the Implementation Plan (With<u>out</u> Parking Structure).

Table D-61 compares the street segment volume to capacity (v/c) ratios under the Implementation Plan (Without Parking Structure) against the No Project Alternative to identify traffic impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria* measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.02 for streets operating at LOS E and 0.01 for streets operating at LOS F under the No Project Alternative. The following roadway segments would have potentially significant traffic impacts:

Street Segments with Significant Traffic Impacts

Year 2010

Sassafras Street between Kettner Boulevard and India Street, which operates at LOS F under both
the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an
increase in v/c ratio of over 0.01 under the Implementation Plan (without Parking Structure) compared
to the No Project Alternative

⁽¹⁾ Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

See Section D.5.1.3.1 for a description of Sassafras Street.

Year 2015

- All locations identified in Year 2010
- Sassafras Street between Pacific Highway and Kettner Boulevard, which operates at LOS F under both the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an increase in volume to capacity (v/c) ratio of over 0.01 under the Implementation Plan (without Parking Structure) compared to the No Project Alternative.
- Kettner Boulevard between Sassafras Street and Palm Street, which increased from LOS D under the No Project Alternative to LOS E under the Implementation Plan (without Parking Structure).

Year 2020

 All locations identified in Year 2015, except Kettner Boulevard between Sassafras Street and Palm Street (LOS F under both No Project and Implementation Plan (without Parking Structure) but the increase in volume to capacity ratio is less than 0.02.

Year 2025

- All locations identified in Year 2020
- North Harbor Drive between Terminal 1 Access and Laurel Street, which operates at LOS E and F
 under both the Implementation Plan (without Parking Structure) and No Project Alternative and
 experiences an increase in v/c ratio of over 0.02 under the Implementation Plan compared to the No
 Project Alternative.
- Kettner Boulevard between Washington Street and Palm Street, which operates at LOS F under both the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2025
- North Harbor Drive between Laurel Street and Hawthorn Street, which operates at LOS F under both
 the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an
 increase in v/c ratio of over 0.01 under the Implementation Plan compared to the No Project
 Alternative.
- Grape Street between North Harbor Drive and I-5, which operates at LOS F under both the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan (without Parking Structure) compared to the No Project Alternative.
- Hawthorn Street between North Harbor Drive and I-5, which operates at LOS F under both the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan (without Parking Structure) compared to the No Project Alternative.
- Laurel Street between Pacific Highway and Kettner Boulevard, which operates at LOS F under both
 the Implementation Plan and No Project Alternative and experiences an increase in v/c ratio of over
 0.01 under the Implementation Plan (without Parking Structure) compared to the No Project
 Alternative.
- India Street between Laurel Street and Sassafras Street, which operates at LOS F under both the Implementation Plan (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan (without Parking Structure) compared to the No Project Alternative.

Table D-60 2010-2030 Street Segment Operations – Proposed Airport Implementation Plan (Without Parking Structure, 2010-2020)

| | | | | | | | Year 2010 | | | | | Year 2015 | | | Year 2020 | | | | | |
|--------------------|-----------------------------|---------------------------|-------|--------------------------------|----------|-----------------------|-----------|-----------|-----|-------------------|-----------------------|-----------|-----------|-----|-----------|--------------------------|-----------|-----------|----------|--|
| Roadway | Seament | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | SDIA ADT | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 11.1 | 17.7 | 28.8 | 0.48 | В | 12.8 | 20.4 | 33.2 | 0.55 | B | 14.1 | 25.2 | 39.3 | 0.65 | C | |
| North Harbor Brive | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 12.3 | 15.1 | 27.4 | 0.46 | B | 13.5 | 16.3 | 29.8 | 0.50 | B | 14.5 | 20.7 | 35.2 | 0.59 | C | |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 11.4 | 14.9 | 26.3 | 0.44 | B | 12.2 | 16.2 | 28.4 | 0.30 | В | 12.9 | 18.3 | 31.2 | 0.52 | В | |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 23.7 | 15.0 | 38.7 | 0.60 | C | 27.0 | 16.3 | 43.3 | 0.47 | C | 29.4 | 18.2 | 47.6 | 0.73 | C | |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 22.4 | 18.3 | 40.7 | 0.63 | C | 25.3 | 18.4 | 43.7 | 0.67 | C | 27.3 | 19.1 | 46.4 | 0.71 | C | |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 36.5 | 18.3 | 54.8 | 0.78 | C | 41.0 | 18.3 | 59.3 | 0.85 | C | 44.5 | 19.1 | 63.6 | 0.91 | D | |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 38.1 | 18.4 | 56.5 | 0.70 | C | 43.3 | 18.4 | 61.7 | 0.88 | D | 47.3 | 19.1 | 66.4 | 0.95 | F | |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 63.2 | 20.8 | 84.0 | 1.40 | F | 72.8 | 20.7 | 93.5 | 1.56 | F | 80.1 | 22.1 | 102.2 | 1.70 | F | |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 40.9 | 15.2 | 56.1 | 0.93 | Ė | 47.0 | 15.4 | 62.4 | 1.04 | F | 51.6 | 16.7 | 68.2 | 1.14 | F | |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.6 | 14.0 | 39.6 | 0.66 | Č | 29.4 | 13.4 | 42.8 | 0.71 | Ċ | 32.3 | 14.0 | 46.3 | 0.77 | Ċ | |
| Grape Street | Harbor - Pacific | 3-Lane Maior 1-Way | 3U | 25.0 | 13.7 | 6.7 | 20.4 | 0.81 | D | 15.7 | 7.1 | 22.8 | 0.71 | F | 17.3 | 8.5 | 25.8 | 1.03 | F | |
| Grape Greet | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 16.4 | 28.9 | 1.16 | F | 14.4 | 17.1 | 31.5 | 1.26 | Ė | 15.8 | 18.5 | 34.3 | 1.03 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.3 | 23.3 | 35.6 | 1.42 | F | 14.2 | 23.7 | 37.9 | 1.52 | - | 15.7 | 21.1 | 36.8 | 1.47 | F | |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.5 | 5.1 | 20.6 | 0.82 | D | 17.8 | 5.4 | 23.2 | 0.93 | Ė | 19.6 | 6.7 | 26.3 | 1.05 | F | |
| Hawtholli Street | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 6.0 | 18.5 | 0.74 | C | 14.5 | 6.2 | 20.7 | 0.83 | D | 15.9 | 7.4 | 23.4 | 0.93 | Ė | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.7 | 1.19 | F | 14.5 | 19.2 | 33.7 | 1.35 | | 15.9 | 20.4 | 36.4 | 1.46 | F | |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.2 | 7.2 | 7.4 | 0.29 | A | 0.2 | 7.2 | 7.4 | 0.30 | ^ | 0.3 | 9.6 | 9.9 | 0.39 | A | |
| Kettilei Divu | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 9.0 | 13.0 | 22.0 | 0.23 | D | 10.5 | 13.1 | 23.6 | 0.94 | Ê | 11.6 | 16.0 | 27.6 | 1.10 | F | |
| S | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 9.1 | 11.0 | 20.1 | 0.81 | D | 10.6 | 11.9 | 22.5 | 0.90 | - | 11.7 | 18.7 | 30.4 | 1.22 | F | |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 7.6 | 8.6 | 16.2 | 0.65 | C | 8.8 | 9.5 | 18.3 | 0.73 | C | 9.7 | 16.0 | 25.7 | 1.03 | F | |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.2 | 7.2 | 0.03 | A | 0.1 | 7.9 | 8.0 | 0.73 | A | 0.2 | 13.3 | 13.5 | 0.54 | В | |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 14.8 | 14.8 | 0.59 | Ĉ | 0.1 | 16.8 | 16.9 | 0.68 | Ĉ | 0.2 | 21.5 | 21.7 | 0.87 | D | |
| Laurel Street | Harbor - Pacific | 4-Lane Major 1-vvay | 4U | 40.0 | 22.3 | 6.3 | 28.6 | 0.33 | C | 25.8 | 6.7 | 32.5 | 0.81 | D | 28.5 | 6.0 | 34.5 | 0.86 | D | |
| Laurer Street | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 18.0 | 7.2 | 25.2 | 0.71 | Ē | 21.1 | 7.8 | 28.9 | 0.96 | F | 23.5 | 6.9 | 30.3 | 1.01 | F | |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 10.4 | 8.5 | 18.9 | 0.63 | C | 12.6 | 9.6 | 22.2 | 0.74 | D | 14.2 | 8.0 | 22.2 | 0.74 | D | |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 4.1 | 22.8 | 26.9 | 0.54 | B | 4.8 | 27.3 | 32.1 | 0.64 | C | 5.4 | 24.3 | 29.8 | 0.60 | C | |
| r acilic riigiiway | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 6.9 | 17.5 | 24.4 | 0.49 | В | 8.0 | 21.0 | 29.0 | 0.58 | C | 8.9 | 20.9 | 29.8 | 0.60 | C | |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 6.9 | 18.1 | 25.0 | 0.50 | B | 8.0 | 21.7 | 29.7 | 0.59 | C | 8.9 | 21.0 | 29.9 | 0.60 | C | |
| | Laurel - Hawthorn | 6-Lane Maior | 6D | 50.0 | 2.1 | 19.1 | 21.2 | 0.30 | B | 2.8 | 22.6 | 25.4 | 0.55 | B | 3.2 | 25.5 | 28.7 | 0.57 | Č | |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 4.9 | 19.6 | 24.5 | 0.49 | B | 5.8 | 23.2 | 29.0 | 0.58 | C | 6.5 | 26.0 | 32.5 | 0.65 | C | |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | A | 0.0 | 0.9 | 0.9 | 0.11 | A | 0.0 | 0.3 | 0.3 | 0.04 | A | |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 3.3 | 8.3 | 11.6 | 0.97 | Ë | 4.3 | 9.7 | 14.0 | 1.17 | F | 5.0 | 9.3 | 14.3 | 1.19 | F | |
| Cuccanac Circoi | Kettner-India | 2-Lane Collector | 2U | 8.0 | 1.7 | 8.5 | 10.1 | 1.27 | F | 2.2 | 9.7 | 11.9 | 1.48 | F | 2.5 | 9.4 | 11.9 | 1.48 | F | |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 3.9 | 16.5 | 20.4 | 0.68 | D | 4.7 | 18.6 | 23.3 | 0.78 | D | 5.4 | 19.1 | 24.5 | 0.82 | D | |
| gton oueet | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.6 | 23.3 | 26.9 | 0.90 | Ē | 4.3 | 25.5 | 29.8 | 0.70 | F | 4.8 | 28.6 | 33.4 | 1.11 | F | |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.4 | 8.7 | 16.1 | 2.02 | F | 8.6 | 10.2 | 18.9 | 2.36 | F | 9.6 | 7.9 | 17.5 | 2.19 | F | |
| 011001 | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 7.4 | 13.2 | 20.7 | 1.72 | F | 8.6 | 15.4 | 24.0 | 2.00 | F | 9.6 | 12.6 | 22.2 | 1.85 | F | |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 5.1 | 13.5 | 18.6 | 1.55 | F | 6.5 | 14.6 | 21.1 | 1.76 | F | 7.6 | 15.2 | 22.7 | 1.89 | F | |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 5.2 | 40.1 | 45.3 | 0.91 | F | 5.9 | 42.4 | 48.3 | 0.97 | Ē | 6.5 | 34.3 | 40.8 | 0.82 | D | |
| 1.000014110 | Nimitz Quimby - Barnett | 4 lane Major-5-lane Major | 4U 5U | 40.0-4 5.0 | 5.2 | 35.9 | 41.1 | 1.03 0.91 | F-E | 5.9 | 35.4 | 41.3 | 1.03-0.92 | F.F | 6.5 | 31.1 | 37.6 | 0.94-0.84 | E-D | |
| - | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 5.2 | 35.9 | 41.1 | 1.03 | F | 5.9 | 35.4 | 41.3 | 1.03 | F | 6.5 | 31.1 | 37.6 | 0.94 | F | |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 9.5 | 8.7 | 18.2 | 0.45 | B | 10.9 | 8.5 | 19.4 | 0.49 | B | 12.0 | 11.2 | 23.1 | 0.58 | C | |
| ource: HNTB, 2007. | | o major | | .0.0 | 0.0 | U | | 0.10 | | .0.0 | 0.0 | | 0.10 | | .2.0 | | | 0.00 | <u> </u> | |

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-60 (continued)

2010-2030 Street Segment Operations – Proposed Airport Implementation Plan (Without Parking Structure, 2025-2030)

| | Segment | Classification | | | | | Year 2025 | | | Year 2030 | | | | | |
|--------------------|-----------------------------|---------------------------|-------|--------------------------------|-------------------|--------------------------|--------------------|----------------------|----------|-------------------|-----------------------|-----------|-----------|-----|--|
| Roadwav | | | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 14.9 | 26.7 | 41.6 | 0.69 | С | 19.5 | 28.5 | 48.0 | 0.80 | С | |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 15.2 | 21.8 | 36.9 | 0.62 | Ċ | 18.4 | 23.3 | 41.7 | 0.70 | C | |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 13.3 | 18.4 | 31.7 | 0.53 | В | 15.2 | 20.7 | 35.9 | 0.60 | C | |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 31.2 | 18.1 | 49.3 | 0.76 | С | 33.8 | 19.8 | 53.6 | 0.82 | С | |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 28.8 | 20.4 | 49.3 | 0.76 | С | 29.8 | 21.1 | 50.9 | 0.78 | С | |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 46.9 | 20.5 | 67.3 | 0.96 | Ē | 47.6 | 21.1 | 68.7 | 0.98 | E | |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 49.7 | 20.4 | 70.1 | 1.00 | F | 49.9 | 20.9 | 70.8 | 1.01 | F | |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 84.9 | 20.9 | 105.7 | 1.76 | F | 85.0 | 21.7 | 106.7 | 1.78 | F | |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 54.6 | 17.5 | 72.1 | 1.20 | F | 57.1 | 18.2 | 75.3 | 1.26 | F | |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 34.3 | 14.8 | 49.0 | 0.82 | С | 35.9 | 14.8 | 50.7 | 0.85 | D | |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 18.3 | 9.0 | 27.3 | 1.09 | F | 19.2 | 9.7 | 28.9 | 1.15 | F | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.7 | 18.8 | 35.5 | 1.42 | F | 17.5 | 19.8 | 37.2 | 1.49 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.6 | 21.8 | 38.4 | 1.54 | F | 17.4 | 24.7 | 42.1 | 1.68 | F | |
| Hawthorn Street | Harbor - Pacific | 3-Lane Maior 1-Way | 3U | 25.0 | 20.8 | 7.0 | 27.8 | 1.11 | F | 21.8 | 7.9 | 29.7 | 1.19 | F | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.9 | 7.8 | 24.7 | 0.99 | Е | 17.7 | 8.7 | 26.5 | 1.06 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.9 | 21.8 | 38.7 | 1.55 | F | 17.7 | 24.5 | 42.2 | 1.69 | F | |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 10.7 | 11.1 | 0.44 | В | 0.4 | 4.2 | 4.6 | 0.18 | A | |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 12.3 | 14.1 | 26.4 | 1.06 | F | 11.0 | 17.4 | 28.4 | 1.14 | F | |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.4 | 17.2 | 29.6 | 1.18 | F | 11.2 | 14.2 | 25.4 | 1.02 | F | |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.4 | 13.7 | 24.0 | 0.96 | E | 9.0 | 12.6 | 21.5 | 0.86 | D | |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 11.0 | 11.3 | 0.45 | В | 0.3 | 11.4 | 11.7 | 0.47 | В | |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 19.9 | 20.2 | 0.81 | D | 0.3 | 21.5 | 21.8 | 0.87 | D | |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 30.3 | 4.0 | 34.3 | 0.86 | D | 27.9 | 4.3 | 32.3 | 0.81 | D | |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 25.1 | 6.8 | 31.8 | 1.06 | F | 22.7 | 12.1 | 34.8 | 1.16 | F | |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.4 | 8.1 | 23.5 | 0.78 | D | 14.5 | 12.9 | 27.4 | 0.91 | E | |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 5.8 | 27.4 | 33.2 | 0.66 | C | 6.0 | 19.1 | 25.1 | 0.50 | B | |
| · acme · ng····ay | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 9.4 | 22.2 | 31.6 | 0.63 | Ċ | 9.8 | 16.3 | 26.1 | 0.52 | В | |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 9.4 | 22.0 | 31.4 | 0.63 | Č | 9.8 | 15.4 | 25.3 | 0.51 | В | |
| | Laurel - Hawthorn | 6-Lane Maior | 6D | 50.0 | 3.6 | 27.7 | 31.3 | 0.63 | C | 3.9 | 23.3 | 27.2 | 0.54 | В | |
| | Hawthorn - Grape | 6-Lane Maior | 6D | 50.0 | 7.0 | 28.1 | 35.1 | 0.70 | C | 7.4 | 24.1 | 31.4 | 0.63 | C | |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.01 | Ä | 0.0 | 0.1 | 0.1 | 0.01 | Ā | |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 5.4 | 10.4 | 15.8 | 1.32 | F | 5.8 | 6.1 | 11.9 | 0.99 | E | |
| 000001100 | Kettner-India | 2-Lane Collector | 2U | 8.0 | 2.7 | 9.8 | 12.5 | 1.56 | F | 2.9 | 8.0 | 10.9 | 1.36 | F | |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 5.9 | 18.9 | 24.9 | 0.83 | D | 6.4 | 12.7 | 19.1 | 0.64 | Ċ | |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.2 | 28.1 | 33.3 | 1.11 | F | 5.6 | 22.5 | 28.1 | 0.94 | Ē | |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.2 | 7.9 | 18.1 | 2.26 | F | 8.8 | 12.6 | 21.4 | 2.68 | F | |
| 011001 | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.2 | 12.5 | 22.6 | 1.89 | F | 8.8 | 16.5 | 25.3 | 2.11 | F | |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 8.3 | 14.7 | 22.9 | 1.91 | F | 7.6 | 21.5 | 29.1 | 2.42 | F | |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 6.9 | 34.6 | 41.5 | 0.83 | D | 10.7 | 33.7 | 44.4 | 0.89 | D | |
| | Nimitz Quimby - Barnett | 4-lane Major-5-lane Major | 4U 5U | 40.0-4 5.0 | 6.9 | 31.3 | 38.2 | 0.95 0.85 | ED | 10.7 | 29.0 | 39.7 | 0.99 0.88 | €D | |
| | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 6.9 | 31.3 | 38.2 | 0.95 | E | 10.7 | 29.0 | 39.7 | 0.99 | E | |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 12.7 | 11.8 | 24.5 | 0.61 | <u>-</u> | 17.2 | 11.7 | 28.9 | 0.72 | C | |

Source: HNTB, 2007.

Notes:

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-61

2010-2030 Street Segment Impacts – Proposed Airport Implementation Plan (Without Parking Structure, <u>2010-2020</u>)

| | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | |
|---------------------|-----------------------------|------------------|----------------|------------------|------------|----------|------------------|----------------|------------------|------------|----------|------------------|----------------|------------------|----------|----------|
| Roadwav | Segment | No Proj V/C | No Proj LOS | Proi V/C | Proi LOS | Diff V/C | No Proj V/C | No Proj LOS | Proi V/C | Proi LOS | Diff V/C | No Proj V/C | No Proj LOS | Proi V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.48 | В | 0.48 | B | 0.00 | 0.56 | В | 0.55 | В | 0.00 | 0.66 | C | 0.65 | C | 0.00 |
| THORAT FIGURE DITTO | NTC - Spanish Landing | 0.51 | В | 0.46 | В | -0.06 | 0.57 | В | 0.50 | В | -0.07 | 0.67 | Č | 0.59 | Č | -0.08 |
| | Spanish Landing - T2 Access | 0.43 | B | 0.44 | В | 0.01 | 0.47 | B | 0.47 | В | 0.01 | 0.52 | В | 0.52 | В | 0.00 |
| | T2 Access - Harbor Island | 0.56 | В | 0.60 | C | 0.03 | 0.63 | C | 0.67 | C | 0.04 | 0.68 | C | 0.73 | C | 0.05 |
| | Harbor Island - T1 Access | 0.58 | С | 0.63 | С | 0.04 | 0.62 | C | 0.67 | С | 0.05 | 0.64 | С | 0.71 | C | 0.07 |
| | T1 Access - Winship | 0.76 | C | 0.78 | С | 0.02 | 0.83 | C | 0.85 | С | 0.02 | 0.89 | D | 0.91 | D | 0.02 |
| | Winship - Rental Car Rd | 0.79 | С | 0.81 | С | 0.02 | 0.87 | D | 0.88 | D | 0.01 | 0.94 | E | 0.95 | Е | 0.01 |
| | Rental Car Rd - Laurel | 1.41 | F | 1.40 | F | -0.01 | 1.57 | F | 1.56 | F | -0.01 | 1.71 | F | 1.70 | F | -0.01 |
| | Laurel - Hawthorn | 0.94 | Е | 0.93 | E | 0.00 | 1.05 | F | 1.04 | F | -0.01 | 1.14 | F | 1.14 | F | -0.01 |
| | Hawthorn - Grape | 0.66 | С | 0.66 | С | 0.00 | 0.72 | С | 0.71 | С | -0.01 | 0.78 | С | 0.77 | С | 0.00 |
| Grape Street | Harbor - Pacific | 0.82 | D | 0.81 | D | 0.00 | 0.92 | Е | 0.91 | E | -0.01 | 1.04 | F | 1.03 | F | -0.01 |
| · | Pacific - Kettner | 1.16 | F | 1.16 | F | 0.00 | 1.26 | F | 1.26 | F | 0.00 | 1.37 | F | 1.37 | F | 0.00 |
| | Kettner - I-5 | 1.43 | F | 1.42 | F | 0.00 | 1.52 | F | 1.52 | F | -0.01 | 1.48 | F | 1.47 | F | -0.01 |
| Hawthorn Street | Harbor - Pacific | 0.83 | D | 0.82 | D | 0.00 | 0.94 | Е | 0.93 | E | -0.01 | 1.06 | F | 1.05 | F | -0.01 |
| | Pacific - Kettner | 0.75 | С | 0.74 | С | 0.00 | 0.83 | D | 0.83 | D | -0.01 | 0.94 | Е | 0.93 | Е | -0.01 |
| | Kettner - I-5 | 1.19 | F | 1.19 | F | 0.00 | 1.35 | F | 1.35 | F | -0.01 | 1.46 | F | 1.46 | F | -0.01 |
| Kettner Blvd | north of Washington | 0.29 | Α | 0.29 | Α | 0.00 | 0.30 | Α | 0.30 | Α | 0.00 | 0.39 | Α | 0.39 | Α | 0.00 |
| | Washington - Sassafras | 0.88 | D | 0.88 | D | 0.00 | 0.94 | Е | 0.94 | Е | 0.00 | 1.10 | F | 1.10 | F | 0.00 |
| | Sassafras - Palm | 0.80 | D | 0.81 | D | 0.00 | 0.897 | D | 0.901 | Е | 0.004 | 1.21 | F | 1.22 | F | 0.00 |
| | Palm - Laurel | 0.65 | С | 0.65 | С | 0.00 | 0.74 | С | 0.73 | С | 0.00 | 1.03 | F | 1.03 | F | 0.00 |
| | Laurel - Hawthorn | 0.29 | Α | 0.29 | Α | 0.00 | 0.32 | Α | 0.32 | Α | 0.00 | 0.54 | В | 0.54 | В | 0.00 |
| | Hawthorn - Grape | 0.59 | С | 0.59 | С | 0.00 | 0.68 | С | 0.68 | С | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.72 | С | 0.71 | С | 0.00 | 0.82 | D | 0.81 | D | -0.01 | 0.87 | D | 0.86 | D | -0.01 |
| | Pacific - Kettner | 0.85 | E | 0.84 | E | -0.01 | 0.97 | E | 0.96 | E | -0.01 | 1.02 | F | 1.01 | F | -0.01 |
| | Kettner - I-5 | 0.64 | С | 0.63 | С | -0.01 | 0.75 | D | 0.74 | D | -0.01 | 0.75 | D | 0.74 | D | -0.01 |
| Pacific Highway | Washington - Sassafras | 0.54 | В | 0.54 | В | 0.00 | 0.64 | С | 0.64 | С | 0.00 | 0.59 | С | 0.60 | С | 0.00 |
| | Sassafras - Palm | 0.48 | В | 0.49 | В | 0.00 | 0.57 | С | 0.58 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Palm - Laurel | 0.49 | В | 0.50 | В | 0.00 | 0.59 | С | 0.59 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Laurel - Hawthorn | 0.42 | В | 0.42 | В | 0.00 | 0.50 | В | 0.51 | В | 0.00 | 0.57 | С | 0.57 | С | 0.00 |
| | Hawthorn - Grape | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 | 0.65 | С | 0.65 | С | 0.00 |
| Palm Street | Pacific - Kettner | 0.11 | Α | 0.11 | Α | 0.00 | 0.11 | Α | 0.11 | Α | 0.00 | 0.04 | Α | 0.04 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 0.95 | Е | 0.97 | E | 0.018 | 1.14 | F | 1.17 | F | 0.02 | 1.17 | F | 1.19 | F | 0.02 |
| | Kettner-India | 1.25 | F | 1.27 | F | 0.013 | 1.46 | F | 1.48 | F | 0.02 | 1.46 | F | 1.48 | F | 0.02 |
| Washington Street | Pacific - Kettner | 0.68 | D | 0.68 | D | 0.00 | 0.78 | D | 0.78 | D | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Kettner - San Diego | 0.90 | E | 0.90 | Е | 0.00 | 0.99 | E | 0.99 | E | 0.00 | 1.11 | F | 1.11 | F | 0.00 |
| India Street | Laurel - Palm | 2.03 | F | 2.02 | F | -0.01 | 2.38 | F | 2.36 | F | -0.02 | 2.20 | F | 2.19 | F | -0.01 |
| | Palm - Sassafras | 1.73 | F | 1.72 | F | -0.01 | 2.01 | F | 2.00 | F | -0.01 | 1.86 | F | 1.85 | F | -0.01 |
| | Sassafras - Washington | 1.57 | F | 1.55 | F | -0.02 | 1.79 | F | 1.76 | F | -0.03 | 1.93 | F | 1.89 | F | -0.04 |
| Rosecrans | Barnett - Sport Arena | 0.91 | E | 0.91 | Е | 0.00 | 0.97 | E | 0.97 | E | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Nimitz Quimby - Barnett | 1.03 <u>0.91</u> | <u>₽ E</u> | 1.03 <u>0.91</u> | ₽ <u>E</u> | 0.00 | 1.03 <u>0.92</u> | <u>F-E</u> | 1.03 <u>0.92</u> | <u>F-E</u> | 0.00 | 0.94 <u>0.84</u> | <u> </u> | 0.94 <u>0.84</u> | <u> </u> | 0.00 |
| | Nimitz - Quimby | 1.03 | F | 1.03 | <u>F</u> | 0.00 | 1.03 | F | 1.03 | F | 0.00 | 0.94 | <u>E</u> | 0.94 | <u>E</u> | 0.00 |
| Nimitz | Harbor - Rosecrans | 0.46 | В | 0.45 | В | 0.00 | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 |

Source: HNTB, 2007.

V/C = Volume to capacity ratio LOS = Level of service

Legend:



Table D-61 (continued)

2010-2030 Street Segment Impacts – Proposed Airport Implementation Plan (Without Parking Structure, 2025-2030)

| | | | | Year 2025 | | | Year 2030 | | | | | |
|---------------------|-----------------------------|-----------------------|----------------|----------------------|----------|----------|----------------|----------------|----------|----------|----------|--|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | |
| North Harbor Drive | West of NTC | 0.69 | С | 0.69 | С | 0.00 | 0.79 | С | 0.80 | С | 0.01 | |
| | NTC - Spanish Landing | 0.70 | С | 0.62 | С | -0.08 | 0.79 | С | 0.70 | С | -0.09 | |
| | Spanish Landing - T2 Access | 0.53 | В | 0.53 | В | 0.00 | 0.60 | C | 0.60 | С | 0.00 | |
| | T2 Access - Harbor Island | 0.70 | С | 0.76 | С | 0.06 | 0.76 | С | 0.82 | С | 0.06 | |
| | Harbor Island - T1 Access | 0.68 | С | 0.76 | С | 0.08 | 0.69 | C | 0.78 | С | 0.09 | |
| | T1 Access - Winship | 0.93 | Е | 0.96 | E | 0.03 | 0.94 | Е | 0.98 | E | 0.04 | |
| | Winship - Rental Car Rd | 0.98 | Е | 1.00 | F | 0.03 | 0.97 | Е | 1.01 | F | 0.04 | |
| | Rental Car Rd - Laurel | 1.75 | F | 1.76 | F | 0.012 | 1.73 | F | 1.78 | F | 0.05 | |
| | Laurel - Hawthorn | 1.19 | F | 1.20 | F | 0.008 | 1.22 | F | 1.26 | F | 0.03 | |
| | Hawthorn - Grape | 0.81 | С | 0.82 | С | 0.00 | 0.82 | С | 0.85 | D | 0.02 | |
| Grape Street | Harbor - Pacific | 1.09 | F | 1.09 | F | 0.00 | 1.13 | F | 1.15 | F | 0.019 | |
| | Pacific - Kettner | 1.41 | F | 1.42 | F | 0.008 | 1.46 | F | 1.49 | F | 0.03 | |
| | Kettner - I-5 | 1.53 | F | 1.54 | F | 0.00 | 1.66 | F | 1.68 | F | 0.02 | |
| Hawthorn Street | Harbor - Pacific | 1.10 | F | 1.11 | F | 0.007 | 1.16 | F | 1.19 | F | 0.03 | |
| | Pacific - Kettner | 0.98 | E | 0.99 | Е | 0.00 | 1.03 | F | 1.06 | F | 0.02 | |
| | Kettner - I-5 | 1.54 | F | 1.55 | F | 0.00 | 1.66 | F | 1.69 | F | 0.02 | |
| Kettner Blvd | north of Washington | 0.44 | В | 0.44 | В | 0.00 | 0.18 | Α | 0.18 | Α | 0.00 | |
| | Washington - Sassafras | 1.04 | F | 1.06 | F | 0.012 | 1.11 | F | 1.14 | F | 0.02 | |
| | Sassafras - Palm | 1.17 | F | 1.18 | F | 0.013 | 0.99 | E | 1.02 | F | 0.02 | |
| | Palm - Laurel | 0.96 | E | 0.96 | E | 0.00 | 0.85 | D | 0.86 | D | 0.01 | |
| | Laurel - Hawthorn | 0.45 | B | 0.45 | B | 0.00 | 0.47 | B | 0.47 | В | 0.00 | |
| | Hawthorn - Grape | 0.81 | D | 0.81 | D | 0.00 | 0.87 | D | 0.87 | D | 0.00 | |
| Laurel Street | Harbor - Pacific | 0.85 | D | 0.86 | D | 0.01 | 0.78 | D | 0.81 | D | 0.03 | |
| | Pacific - Kettner | 1.06 | F | 1.06 | F | 0.00 | 1.13 | F | 1.16 | F | 0.03 | |
| | Kettner - I-5 | 0.78 | D | 0.78 | D | 0.00 | 0.90 | E | 0.91 | E | 0.015 | |
| Pacific Highway | Washington - Sassafras | 0.66 | C | 0.66 | C | 0.00 | 0.50 | В | 0.50 | В | 0.01 | |
| | Sassafras - Palm | 0.62 | C | 0.63 | C | 0.01 | 0.51 | B | 0.52 | B | 0.01 | |
| | Palm - Laurel | 0.62 | Č | 0.63 | Č | 0.01 | 0.49 | В | 0.51 | В | 0.01 | |
| | Laurel - Hawthorn | 0.62 | C | 0.63 | C | 0.01 | 0.54 | В | 0.54 | В | 0.01 | |
| | Hawthorn - Grape | 0.70 | C | 0.70 | C | 0.01 | 0.62 | C | 0.63 | Č | 0.01 | |
| Palm Street | Pacific - Kettner | 0.01 | A | 0.01 | Ā | 0.00 | 0.01 | A | 0.01 | Ā | 0.00 | |
| Sassafras Street | Pacific - Kettner | 1.28 | F | 1.32 | F | 0.03 | 0.94 | E | 0.99 | E | 0.05 | |
| Caccanac Caroot | Kettner-India | 1.53 | F | 1.56 | F | 0.03 | 1.32 | F | 1.36 | F | 0.04 | |
| Washington Street | Pacific - Kettner | 0.83 | D | 0.83 | D | 0.00 | 0.63 | C | 0.64 | C | 0.01 | |
| g.c ooct | Kettner - San Diego | 1.11 | F | 1.11 | F | 0.00 | 0.93 | E | 0.94 | E | 0.01 | |
| India Street | Laurel - Palm | 2.25 | F | 2.26 | F | 0.007 | 2.64 | F | 2.68 | F | 0.04 | |
| 011001 | Palm - Sassafras | 1.88 | F | 1.89 | F | 0.00 | 2.09 | F | 2.11 | F | 0.04 | |
| | Sassafras - Washington | 1.93 | F | 1.91 | F | -0.02 | 2.411 | F | 2.421 | F | 0.0099 | |
| Rosecrans | Barnett - Sport Arena | 0.83 | D | 0.83 | D | 0.00 | 0.88 | D | 0.89 | D | 0.0033 | |
| 11000010110 | Nimitz Quimby - Barnett | 0.95 -0.85 | E-D | 0.95 0.85 | E-D | 0.00 | 0.98-0.87 | ED | 0.03 | €D | 0.01 | |
| | Nimitz - Quimby | 0.95 | E | 0.95 | E | 0.00 | 0.98 | E | 0.99 | E | 0.01 | |
| Nimitz | Harbor - Rosecrans | 0.61 | C | 0.61 | C | 0.00 | 0.71 | C | 0.72 | C | 0.02 | |
| Source: HNTB, 2007. | Tidibol - Noscolalis | 0.01 | <u> </u> | 0.01 | U | 0.00 | 0.7 1 | U | 0.72 | | 0.02 | |

Source: HNTB, 2007.

V/C = Volume to capacity ratio LOS = Level of service



D.5.2.3.2 Intersections

Tables D-62, D-63, D-64, D-65, D-66, D-67, D-68, D-69, D-70, and D-71 show the intersection turning volumes under the Implementation Plan (Without Parking Structure) for each analysis year. Table D-72 shows the resulting intersection operations. Future intersection lane configurations are assumed to remain the same under all alternatives and are shown previously on Figure D.5-1 Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- <u>In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound approaches.</u>

Table D-73 compares the intersection operations under the Airport Implementation Plan (Without Parking Structure) against the No Project Alternative to identify intersection impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in vehicle delay of greater than 2 seconds for streets operating at LOS E and greater than 1 second for streets operating at LOS F under the No Project Alternative. The following intersections would have potentially significant traffic impacts due to the project:

Intersections with Potentially Significant Traffic Impacts

Year 2010 and 2015

 No potentially significant impacts to intersections in the Study Area are anticipated to occur under the Implementation Plan (without Parking Structure) compared to the No Project Alternative in 2010 and 2020 2015.

Year 2020

 Sassafras Street and Kettner Boulevard (PM), which operates at LOS F in the AM peak hour under both the Implementation Plan (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan compared to the No Project Alternative.

Year 2025

- All locations identified in Year 2020
- Hawthorn Street and North Harbor Drive (AM), which operates at LOS F in the AM peak hour and LOS F in the PM peak hour under both the Implementation Plan (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 seconds under the Implementation Plan compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2025
- Hawthorn Street and North Harbor Drive (AM and PM), which operates at LOS F in the AM peak hour and LOS E in the PM peak hour under both the Implementation Plan (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Implementation Plan compared to the No Project Alternative.
- Grape Street and I-5 Southbound On-Ramp (PM), which operates at LOS F in the PM peak hour under both the Implementation Plan (without Parking Structure) and No Project Alternative and would

experience an increase in delay greater than 1 second under the Implementation Plan compared to the No Project Alternative.

Table D-62 2010 Intersection Turning Volumes - AM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| North Harbor Diver / North Elivar | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|----------------|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| North Hathor Drive / Ministr Bind Agrort 0 0 0 373 0 0 0 33 0 0 0 25 26 26 26 26 27 27 28 28 28 28 28 28 | 111t TT | | Total | | | | | | | | | | | | | |
| North Harbor Direc MacCan St | 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 191 | 0 | 0 | 0 | 33 | 0 | 0 | 25 | 149 | 398 |
| North Harbor Drive / Michael St. Agreet 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Bestimorn | • | North Harbor Drive (MacCair Ot | | | | | | | | | | | | | | |
| North Harbor Driver Spanish Landing | 2 | NOTTH Hardor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Direck Sparink Landing Regional 0 0 0 33 0 7 79 183 0 0 171 0 489 | | | | | | | | | | | | | | | | |
| ## North Nation Drive Nation Section Sec | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| ## North Harbor Drey Hebror Island Drey Mary Ma | | | | | | | | | | | | | | | | |
| Secure | | | | | | | | | | | | | | | | |
| Section | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Habrot Dine / Weship Lare Hampson Q | | | | | _ | | | | | | | | | | | |
| Bacaground 0 | 5 | North Harbor Drive / Winshin Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road Aznerari Size Azner | 0 | North Harbor Brive? Williamp Earle | | | | | | | | | | | | | | |
| Packagnor Pack | | | | | | | | | | | | | | | | |
| Sheration / Hartford Island Drive | 6 | North Harbor Drive / Rental Car Road | Airport | 53 | 0 | 43 | 10 | 0 | 14 | 16 | 960 | 67 | 113 | 1,144 | 19 | 2,439 |
| Sherston / Hurbor laland Drive | | | | | | | | | | | | | | | | |
| Basingsound 33 55 0 0 131 169 155 0 27 0 0 0 147 170 | 7 | Charatan / Harbar Island Drive | | | | | | | | | | | | | | |
| Bendergound Folial 0 0 0 0 0 0 38 82 88 0 0 0 62 1 260 | / | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Benderground Company | | | | | | | | | | | | | | | | |
| Sassafras Steet / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Arport 68 61 0 0 0 0 0 0 0 0 20 0 0 1 237 0 453 | | , ., | | | | | | | | | | | | | 0 | |
| Beagground 0 433 71 47 466 0 0 0 0 202 0 53 1,272 | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drivo | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurer Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthom Street / North Harbor Drive | | | | | | | | | | | | | | | | |
| Background 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 212 4 434 217 0 0 0 0 0 0 0 0 0 | | | | 0 | 71 | 0 | 0 | | | 0 | 0 | 0 | 75 | 0 | | |
| Background | | | Total | | | | | | | | | | | | | |
| Total Same Total Same | 12 | Grape Street / North Harbor Drive | | | | | | | | | _ | | | | | |
| Aliport 0 47 0 3 29 88 76 292 0 0 364 5 994 | | | | | | | | | | | | | | | | |
| Background 35 273 85 77 230 281 13 228 2 47 330 86 1,643 | 12 | Laural Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurer Street / Facility Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 114 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport Color Co | | | | | | | | | | | | | | | | |
| Background O | | | | | | | | | | | | | | | | |
| Total Care Airport Care Car | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Background Color | | | | | | | | | | | | | | | | |
| Background 0 0 0 233 321 244 0 317 45 39 173 0 1,372 | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 0 0 0 0 154 82 0 0 0 156 2,501 0 2,893 | | Edulor Substitution Bodiovard | | | | | | | | | | | | | | |
| Background Color | | | | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,501 | 0 | 2,893 |
| Total | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Mingroff 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 40 | Ones Otes t / Kathara Baulaurad | | | | | | | | | | | | | | |
| Total 65 86 73 0 0 0 42 430 1,057 0 0 0 1,753 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 3 3 | | | | | | | | | | | | | | | | |
| Background 65 86 73 0 0 0 42 427 669 0 0 0 1362 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp Background Af5 43 0 0 0 0 0 0 0 0 0 | | , , | | | | | | | | | | | | | | |
| Background 45 43 0 0 0 0 0 0 0 0 0 | | | Total | | | | | | | | | | | | | |
| Color | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport Street India Street Airport Street Street India Street Airport Street Airport Street Airport Street Airport | | | | | | | | | | | | | | | | |
| Background 44 108 19 0 0 0 225 315 0 0 182 195 1,088 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Total | -1 | Laurer Oneet/ maia oneet | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 302 33 0 17 17 0 34 0 403 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Sassafras Street / India Street India Street Sassafras Street / India Street India Street Sassafras Street / India Street India Street Sassafras Street / India Street Sassafras Street Sassafras Street Sassafras Street / India Street Sassafras Str | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 64 237 0 0 0 0 32 0 0 0 0 0 333 | | | Background | 0 | 0 | 0 | 113 | 950 | 297 | 0 | 33 | | 121 | 49 | 0 | 1,588 |
| Background 126 554 11 0 0 0 76 24 50 0 33 21 895 | | | | | | | | | | | | | | | | |
| Vashington Street / Pacific Highway SB-Ramps Total 0 0 0 185 32 53 0 64 37 148 154 0 673 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| 24 Washington Street / Pacific Highway SB-Ramps Airport 0 0 0 0 0 0 28 11 66 26 0 131 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 7 0 49 0 0 0 0 0 0 28 84 0 0 542 26 Washington Street / Pacific Highway NB-Ramps (1) Airport 7 0 49 0 0 0 0 28 84 0 0 168 Background 58 11 68 26 6 18 22 0 202 228 143 47 997 26 Washington Street / Hancock Street Total 0 258 103 321 376 0 354 165 130 0 0 0 1,707 27 Washington Street / Hancock Street Total 94 579 0 0 534 165 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | | | | | | | | | |
| Background O O O 185 32 53 O 36 26 82 128 O 542 | 24 | Washington Street / Pacific Highway SR-Ramps | | | | | | | | | | | | | | |
| Total 65 11 117 26 6 18 22 0 230 312 143 47 997 | | | | | | | | | | | | | | | | |
| Mashington Street / Pacific Highway NB-Ramps (1) Airport 7 0 49 0 0 0 0 0 0 28 84 0 0 0 168 | | | | | | | | | | | | | | | | |
| Total 0 258 103 321 376 0 354 165 130 0 0 0 0 1,707 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 7 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 28 | 84 | 0 | 0 | 168 |
| 26 Washington Street / Hancock Street Airport 0 64 13 0 76 0 0 0 0 9 0 0 0 162 | | | | | | | | | | | | | | | | |
| Background O 194 90 321 300 O 354 165 121 O O O 0 1,545 | 20 | Washington Street / II | | | | | | | | | | | | | | |
| Total 94 579 0 0 539 536 0 0 0 174 204 7 2,133 | ∠ 6 | wasnington Street / Hancock Street | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 81 528 0 0 0 472 536 0 0 0 165 204 7 1,993 28 Rosecrans Street / Pacific Highway 29 RosecransStreet / Nimitz Boulevard RosecransStreet / Nimitz Boulevard Background 81 528 0 0 0 472 536 0 0 0 0 165 204 7 1,993 Total 200 148 220 99 145 61 60 173 143 301 147 86 1,783 20 8 0 3 1 0 1 0 1 0 10 2 0 2 2 2 8 0 3 1 0 0 1 0 10 2 0 27 Background 200 146 212 99 142 60 60 172 143 291 145 86 1,756 Total 16 111 86 39 126 40 148 639 28 111 637 40 2,021 Airport 0 68 81 0 87 0 0 0 0 0 104 0 0 340 Background 16 43 5 39 39 40 148 639 28 7 637 40 1,681 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 2 8 0 3 1 0 1 0 10 2 0 27 Background 200 146 212 99 142 60 60 172 143 291 145 86 1,756 Total 16 111 86 39 126 40 148 639 28 111 637 40 2,021 Property 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | 0 | | 8 | 0 | | | | 1 | 0 | | | | 27 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 68 81 0 87 0 0 0 0 104 0 0 340 Background 16 43 5 39 39 40 148 639 28 7 637 40 1,681 | | | | | | | | | | | | | | | | |
| Background 16 43 5 39 39 40 148 639 28 7 637 40 1,681 | 20 | December Ctreet / Nimits Devisional | | | | | | | | | | | | | | |
| | ∠9 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | Course: Likita | 2 2007 | Dackyrourid | 10 | 40 | | აყ | วช | 40 | 140 | 039 | ∠0 | | 037 | 40 | 1,001 |

Table D-63 2010 Intersection Turning Volumes – PM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--------------|--|-----------------------|------------|--------------|-----------|------------|--------------|------------|-----------|----------------|-----------|------------|--------------|----------|----------------|
| IIIL# | | Total | 0 | 0 | 0 | 456 | 0 | 56 | 36 | 562 | 0 | 14 | 584 | 768 | 2,476 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 27 | 0 | 0 | 31 | 166 | 376 |
| | | Background | 0 | 0 | 0 | 304 | 0 | 56 | 36 | 535 | 0 | 14 | 553 | 602 | 2,100 |
| | | Total | 0 | 0 | 0 | 441 | 0 | 212 | 34 | 919 | 0 | 0 | 994 | 104 | 2,704 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 104 | 0 | 70 | 9 | 170 | 0 | 0 | 127 | 54 | 534 |
| | | Background | 0 | 0 | 0 | 337 | 0 | 142 | 25 | 749 | 0 | 0 | 867 | 50 | 2,170 |
| • | | Total | 7 | 0 | 25 | 84 | 0 | 15 | 65 | 1,613 | 18 | 5 | 1,127 | 0 | 2,959 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 7 | 0 | 0 | 84 | 0 | 15 | 65 | 209 | 0 | 0 | 166 | 0 | 539 |
| | | Background Total | 154 | 0 4 | 25 327 | 0 21 | 0 8 | 0 63 | 0 58 | 1,404 1,541 | 18 122 | 5 463 | 961 1,283 | 0 | 2,420 4,044 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 4 | 52 | 21 | 8 | 63 | 58 | 215 | 20 | 56 | 459 | 0 | 968 |
| - | Notti Harbor Brive / Harbor Island Brive | Background | 142 | 0 | 275 | 0 | 0 | 0 | 0 | 1,326 | 102 | 407 | 824 | 0 | 3,076 |
| | | Total | 0 | 0 | 0 | 97 | 0 | 195 | 61 | 1,828 | 0 | 0 | 2,050 | 218 | 4,449 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 97 | 0 | 195 | 61 | 227 | 0 | 0 | 818 | 218 | 1,616 |
| | · | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | | Total | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 2,628 | 74 | 86 | 2,178 | 14 | 5,190 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 83 | 22 | 0 | 16 | 15 | 1,027 | 74 | 86 | 946 | 14 | 2,357 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| - | Observators / Heathers Jalanced Dates | Total | 23 | 408 | 0 | 0 | 524 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,129 |
| 7 | Sheraton / Harbor Island Drive | Airport | 23 | 68 340 | 0 | 0 | 84 440 | 70 | 77 | 2 | 0 25 | 0 | 0 | 0 | 152 977 |
| | | Background Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 95 | 0 | 0 | 126 | 1 | 345 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 15 | 0 | 0 | 13 | 1 | 152 |
| o | Employee Lot? Harbor Island Brive | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 113 | 0 | 193 |
| | | Total | 61 | 857 | 353 | 125 | 949 | 8 | 13 | 175 | 88 | 165 | 106 | 44 | 2,944 |
| 9 | Sassafras Street / Pacific Highway | Airport | 61 | 73 | 0 | 0 | 65 | 8 | 13 | 175 | 88 | 0 | 106 | 0 | 589 |
| | | Background | 0 | 784 | 353 | 125 | 884 | 0 | 0 | 0 | 0 | 165 | 0 | 44 | 2,355 |
| | | Total | 0 | 0 | 0 | 72 | 0 | 11 | 1,112 | 1,919 | 0 | 0 | 1,609 | 105 | 4,828 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 414 | 718 | 0 | 0 | 658 | 0 | 1,790 |
| | | Background | 0 | 0 | 0 | 72 | 0 | 11 | 698 | 1,201 | 0 | 0 | 951 | 105 | 3,038 |
| | ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Total | 0 | 581 | 0 | 0 | 2,090 | 0 | 0 | 0 | 0 | 133 | 0 | 1,059 | 3,863 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 170 | 0 | 0 | 718 | 0 | 0 | 0 | 0 | 5 | 0 | 488 | 1,381 |
| | | Background | 0 | 411 640 | 0 267 | 0 1,155 | 1,372 | 0 | 0 | 0 | 0 | 128 0 | 0 | 571 0 | 2,482 3,153 |
| 12 | Grape Street / North Harbor Drive | Total Airport | 0 | 170 | 6 | 482 | 1,091 241 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 899 |
| 12 | Grape Street / North Harbor Drive | Background | 0 | 470 | 261 | 673 | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,254 |
| | | Total | 111 | 604 | 145 | 138 | 479 | 369 | 471 | 692 | 58 | 51 | 795 | 77 | 3,990 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 45 | 0 | 6 | 65 | 82 | 84 | 330 | 0 | 0 | 306 | 4 | 922 |
| | | Background | 111 | 559 | 145 | 132 | 414 | 287 | 387 | 362 | 58 | 51 | 489 | 73 | 3,068 |
| | | Total | 126 | 591 | 0 | 0 | 556 | 49 | 0 | 0 | 0 | 147 | 1,030 | 82 | 2,581 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 91 | 44 | 0 | 0 | 60 | 5 | 0 | 0 | 0 | 0 | 397 | 0 | 597 |
| | | Background | 35 | 547 | 0 | 0 | 496 | 44 | 0 | 0 | 0 | 147 | 633 | 82 | 1,984 |
| | | Total | 0 | 666 | 448 | 237 | 541 | 0 | 50 | 1,595 | 37 | 0 | 0 | 0 | 3,574 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 129 | 0 | 1 | 60 | 0 | 6 | 445 | 37 | 0 | 0 | 0 | 678 |
| | | Background | 0 | 537 | 448 | 236 282 | 481 | 0 570 | 44 0 | 1,150 | 79 | 0 54 | 0 290 | 0 | 2,896 |
| 16 | Laurel Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 0 | 601 0 | 578 241 | 0 | 873 337 | 0 | 0 | 69 | 0 | 2,757 647 |
| 10 | Laurer Street / Nettrier Boulevard | Background | 0 | 0 | 0 | 282 | 601 | 337 | 0 | 536 | 79 | 54 | 221 | 0 | 2,110 |
| | | Total | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 1,380 | 0 | 2,044 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 398 | 0 | 398 |
| | | Background | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 982 | 0 | 1,646 |
| | | Total | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 3,113 | 90 | 0 | 0 | 0 | 3,911 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 434 | 11 | 0 | 0 | 0 | 445 |
| | | Background | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 2,679 | 79 | 0 | 0 | 0 | 3,466 |
| | | Total | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 532 | 2,072 | 0 | 0 | 0 | 3,098 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 431 | 0 | 0 | 0 | 434 |
| | | Background | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 529 | 1,641 | 0 | 0 | 0 | 2,664 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total Airport | 36 0 | 57 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,486 395 | 61 0 | 1,640 395 |
| 20 | Hawatorii Gaeet / 1-3 Northbound Off-Namp | Background | 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,091 | 61 | 1,245 |
| | | Total | 83 | 290 | 86 | 0 | 0 | 0 | 658 | 499 | 39 | 0 | 273 | 267 | 2,195 |
| 21 | Laurel Street / India Street | Airport | 39 | 0 | 0 | 0 | 0 | 0 | 263 | 34 | 39 | 0 | 30 | 0 | 405 |
| | | Background | 44 | 290 | 86 | 0 | 0 | 0 | 395 | 465 | 0 | 0 | 243 | 267 | 1,790 |
| | | Total | 0 | 0 | 0 | 186 | 1,736 | 257 | 0 | 211 | 98 | 85 | 86 | 0 | 2,659 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 241 | 32 | 0 | 54 | 55 | 0 | 32 | 0 | 414 |
| | | Background | 0 | 0 | 0 | 186 | 1,495 | 225 | 0 | 157 | 43 | 85 | 54 | 0 | 2,245 |
| 20 | Conneivon Circo t / In dia Circo t | Total | 177 | 1,330 | 31 | 0 | 0 | 0 | 299 | 60 | 110 | 0 | 14 | 17 | 2,038 |
| 23 | Sassafras Street / India Street | Airport Background | 53 124 | 263 1,067 | 0 31 | 0 | 0 | 0 | 87 212 | 0 60 | 0 110 | 0 | 0 14 | 0 17 | 403 1,635 |
| | | Total | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 223 | 51 | 199 | 80 | 0 | 1,100 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 53 | 46 | 0 | 136 |
| | g | Background | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 196 | 41 | 146 | 34 | 0 | 964 |
| | | Total | 37 | 25 | 199 | 57 | 55 | 7 | 55 | 14 | 592 | 327 | 207 | 59 | 1,634 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 13 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 27 | 86 | 0 | 0 | 187 |
| | | Background | 24 | 25 | 138 | 57 | 55 | 7 | 55 | 14 | 565 | 241 | 207 | 59 | 1,447 |
| | | Total | 0 | 652 | 157 | 343 | 379 | 0 | 555 | 331 | 155 | 0 | 0 | 0 | 2,572 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 75 | 13 | 0 | 70 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 174 |
| | | Background | 0 | 577 | 144 | 343 | 309 | 0 | 555 | 331 | 139 | 0 | 0 | 0 | 2,398 |
| 27 | Washington Street / San Di A | Total | 187 | 1,153 | 0 | 0 | 572 | 489 | 0 | 0 | 0 | 185 | 276 | 17 | 2,879 |
| 27 | Washington Street / San Diego Avenue | Airport | 12 | 63 | 0 | 0 | 55 517 | 490 | 0 | 0 | 0 | 160 | 0 | 0 17 | 146 |
| | | Background Total | 175 351 | 1,090 287 | 0 636 | 0 120 | 517 139 | 489 67 | 0 111 | 0 459 | 0 170 | 169 246 | 276 304 | 129 | 2,733 3,019 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 2 | 0 | 0 | 459 | 0 | 8 | 1 | 0 | 25 |
| 0 | 1.0000.a.to 0.000171 dollo Flighway | Background | 351 | 284 | 626 | 120 | 137 | 67 | 111 | 458 | 170 | 238 | 303 | 129 | 2,994 |
| | | Total | 18 | 194 | 110 | 30 | 103 | 30 | 332 | 812 | 33 | 173 | 653 | 53 | 2,541 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 76 | 90 | 0 | 69 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 318 |
| | | Background | 18 | 118 | 20 | 30 | 34 | 30 | 332 | 812 | 33 | 90 | 653 | 53 | 2,223 |
| Source: HNTE | 2 0007 | | | | | | | | | | | | | | |

Source: HNTB; 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl et
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 et

ebt wbt wbr2

Table D-64 2015 Intersection Turning Volumes - AM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Tota |
|---|--|-----------------------|----------------------------|------------|-----------|------------|------------|------------|--------------------------|------------------------|-------------------|-----------|----------------|--------------|--------------|
| | | Total | 0 | 0 | 0 | 604 | 0 | 22 | 13 | 519 | 0 | 8 | 681 | 342 | 2,18 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 218 | 0 | 0 | 0 | 39 | 0 | 0 | 30 651 | 173 | 460 |
| | | Background Total | 0 | 0 | 0 | 386 139 | 0 | 22 117 | 13 188 | 480 658 | 0 | 8 | 651 807 | 169 432 | 1,72 2,34 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 62 | 0 | 88 | 13 | 244 | 0 | 0 | 115 | 76 | 598 |
| | | Background | 0 | 0 | 0 | 77 | 0 | 29 | 175 | 414 | 0 | 0 | 692 | 356 | 1,74 |
| | | Total | 5 | 0 | 18 | 39 | 0 | 7 | 95 | 776 | 5 | 16 | 1,583 | 0 | 2,54 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 39 | 0 | 7 | 95 | 211 | 0 | 0 | 184 | 0 | 53 |
| | | Background Total | 5 44 | 5 | 18 149 | 0 19 | 10 | 0 73 | 0 79 | 565 668 | 5 86 | 16 240 | 1,399 2,016 | 0 | 2,0 3,3 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 5 | 40 | 19 | 10 | 73 | 79 | 150 | 21 | 66 | 633 | 0 | 1,1 |
| 7 | North Harbor Brive / Harbor Island Brive | Background | 32 | 0 | 109 | 0 | 0 | 0 | 0 | 518 | 65 | 174 | 1,383 | 0 | 2,2 |
| | | Total | 0 | 0 | 0 | 92 | 0 | 187 | 71 | 764 | 0 | 0 | 2,671 | 273 | 4,0 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 92 | 0 | 187 | 71 | 137 | 0 | 0 | 1,114 | 273 | 1,8 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 0 | 0 | 1,557 | 0 | 2,1 |
| 6 | North Harbor Drive / Rental Car Road | Total | 63 | 0 | 50 | 10 | 0 | 14 | 16 | 1,744 | 78 | 133 | 2,868 | 19 | 4,9 |
| 6 | North Harbor Drive / Rental Car Road | Airport Background | 63 0 | 0 | 50 0 | 10 0 | 0 | 14 0 | 16 0 | 1,117 627 | 78 0 | 133 | 1,311 1,557 | 19 0 | 2,8 2,1 |
| | | Total | 13 | 113 | 0 | 0 | 237 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 58 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 56 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | Background | 13 | 57 | 0 | 0 | 140 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 42 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 95 | 0 | 0 | 69 | 1 | 28 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 15 | 0 | 0 | 19 | 1 | 15 |
| | | Background Total | 0 78 | 0 592 | 0 86 | 0 56 | 0 651 | 0 11 | 0 5 | 80 76 | 0 48 | 0 248 | 50 152 | 0 65 | 2,0 |
| 9 | Sassafras Street / Pacific Highway | Airport | 78 | 73 | 0 | 0 | 94 | 11 | 5 | 76 | 48 | 0 | 152 | 0 | 53 |
| 0 | Cassanas Circer i adme i ligitway | Background | 0 | 519 | 86 | 56 | 557 | 0 | 0 | 0 | 0 | 248 | 0 | 65 | 1,5 |
| | | Total | 0 | 0 | 0 | 26 | 0 | 4 | 450 | 1,195 | 0 | 0 | 1,965 | 39 | 3,6 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 430 | 747 | 0 | 0 | 940 | 0 | 2,1 |
| | | Background | 0 | 0 | 0 | 26 | 0 | 4 | 20 | 448 | 0 | 0 | 1,025 | 39 | 1,5 |
| 11 | Hawthorn Street / North Harbor Drive | Total | 0 | 309 | 0 | 0 | 1,127 | 0 | 0 | 0 | 0 | 87 | 0 | 2,067 | 3,5 |
| 11 | nawmom Sueet / North Harbor Drive | Airport Background | 0 | 241 68 | 0 | 0 | 747 380 | 0 | 0 | 0 | 0 | 8 79 | 0 | 700 1,367 | 1,6 |
| | | Total | 0 | 251 | 110 | 872 | 510 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,7 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 241 | 7 | 500 | 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,0 |
| | · | Background | 0 | 10 | 103 | 372 | 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| | | Total | 41 | 381 | 108 | 97 | 321 | 414 | 102 | 585 | 2 | 52 | 778 | 66 | 2,9 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 58 | 7 | 4 | 37 | 101 | 88 | 343 | 0 | 1 | 421 | 6 | 1,0 |
| | | Background | 41 130 | 323 245 | 101 | 93 | 284 190 | 313 | 14 0 | 242 | 2 | 51 | 357 | 60 | 1,8 |
| 14 | Hawthorn Street / Pacific Highway | Total Airport | 130 | 60 | 0 | 0 | 29 | 63 8 | 0 | 0 | 0 | 267 0 | 1,974 569 | 92 5 | 2,9 |
| 1-4 | Trawthorn Street / Facility Frightway | Background | 0 | 185 | 0 | 0 | 161 | 55 | 0 | 0 | 0 | 267 | 1,405 | 87 | 2,1 |
| | | | 0 | 649 | 182 | 170 | 946 | 0 | 70 | 884 | 42 | 0 | | 0 | 2,9 |
| Total 0 649 182 170 946 0 70 884 42 0 0 0 0 15 Grape Street / Pacific Highway Airport 0 184 0 0 29 0 7 458 42 0 0 0 0 | | | | | | | | | | | | | | | 7: |
| | | Background | 0 | 465 | 182 | 170 | 917 | 0 | 63 | 426 | 0 | 0 | 0 | 0 | 2,2 |
| 40 | | Total | 0 | 0 | 0 | 261 | 355 | 614 | 0 | 696 | 49 | 46 | 279 | 0 | 2,3 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 257 | 0 | 345 269 | 0 | 353 343 | 0 49 | 2 44 | 83 196 | 0 | 1,5 |
| | | Background Total | 0 | 0 | 0 | 0 | 355 171 | 90 | 0 | 0 | 0 | 173 | 2,792 | 0 | 3,2 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 5 |
| | | Background | 0 | 0 | 0 | 0 | 169 | 90 | 0 | 0 | 0 | 173 | 2,218 | 0 | 2,6 |
| | | Total | 0 | 0 | 0 | 105 | 524 | 0 | 0 | 1,433 | 95 | 0 | 0 | 0 | 2,1 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 452 | 6 | 0 | 0 | 0 | 46 |
| | | Background | 0 | 0 | 0 | 103 | 524 | 0 | 0 | 981 | 89 | 0 | 0 | 0 | 1,6 |
| 19 | Grane Street / LE Southhound On Rome (1) | Total | 77 0 | 102 | 87 0 | 0 | 0 | 0 | 43 0 | 437 3 | 1,131 451 | 0 | 0 | 0 | 1,8 45 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport Background | 77 | 102 | 87 | 0 | 0 | 0 | 43 | 434 | 680 | 0 | 0 | 0 | 1,4 |
| | | Total | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,521 | 77 | 2,6 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | Ö | 0 | 0 | Ö | Ö | Ö | 0 | Ö | 570 | 0 | 5 |
| | · | Background | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,951 | 77 | 2,1 |
| | | Total | 97 | 135 | 23 | 0 | 0 | 0 | 526 | 386 | 51 | 0 | 258 | 231 | 1,7 |
| 21 | Laurel Street / India Street | Airport | 43 | 2 | 0 | 0 | 0 | 0 | 274 | 33 | 51 | 0 | 42 | 0 | 4 |
| | | Background Total | 54 0 | 133 | 23 | 0 115 | 1,318 | 0 347 | 252 0 | 353 60 | 0 52 | 0 139 | 216 101 | 231 | 1,2 2,1 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 350 | 44 | 0 | 22 | 22 | 0 | 45 | 0 | 4 |
| | Table Table Notice Board and | Background | 0 | 0 | 0 | 115 | 968 | 303 | 0 | 38 | 30 | 139 | 56 | 0 | 1,6 |
| | | Total | 223 | 919 | 12 | 0 | 0 | 0 | 125 | 28 | 58 | 0 | 34 | 22 | 1,4 |
| 23 | Sassafras Street / India Street | Airport | 76 | 276 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 39 |
| | | Background | 147 | 643 | 12 | 0 | 0 | 0 | 87 | 28 | 58 | 0 | 34 | 22 | 1,0 |
| 24 | Washington Street / Basifis History CB D | Total | 0 | 0 | 0 | 200 | 35 | 57 | 0 | 76 | 42 | 164 | 174 | 0 | 7- |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport Background | 0 | 0 | 0 | 200 | 0 35 | 0 57 | 0 | 39 37 | 15 27 | 76 88 | 36 138 | 0 | 10 50 |
| | | Total | 94 | 16 | 155 | 29 | 7 | 20 | 24 | 0 | 258 | 359 | 162 | 53 | 1,1 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 10 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 39 | 101 | 0 | 0 | 20 |
| | | Background | 84 | 16 | 98 | 29 | 7 | 20 | 24 | 0 | 219 | 258 | 162 | 53 | 9 |
| | | Total | 0 | 297 | 120 | 351 | 417 | 0 | 358 | 167 | 134 | 0 | 0 | 0 | 1,8 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 78 | 18 | 0 | 89 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 19 |
| | | Background Total | 0 107 | 219 637 | 102 0 | 351 0 | 328 564 | 0 553 | 358 0 | 167 0 | 122 0 | 0 194 | 0 225 | 0 8 | 1,6 2,2 |
| 27 | Washington Street / San Diego Avenue | Airport | 18 | 59 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 10 |
| | . Jack and State of Carl Diogo / Worlde | Background | 89 | 578 | 0 | 0 | 487 | 553 | 0 | 0 | 0 | 182 | 225 | 8 | 2, |
| | | Total | 237 | 177 | 261 | 116 | 170 | 72 | 63 | 183 | 151 | 314 | 153 | 89 | 1,9 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 9 | 0 | 3 | 1 | 0 | 1 | 0 | 12 | 2 | 0 | - 3 |
| | | Background | 237 | 174 | 252 | 116 | 167 | 71 | 63 | 182 | 151 | 302 | 151 | 89 | 1,9 |
| 00 | D | Total | 16 | 122 | 99 | 14 | 114 | 15 | 155 | 671 | 30 | 124 | 627 | 40 | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 79 94 0 100 0 0 0 0 118 0 0 391 | | | | | | | | | | | | | | | |
| ırce: HNTI | I 2007 | Background | 16 | 43 | 5 | 14 | 14 | 15 | 155 | 671 | 30 | 6 | 627 | 40 | 1,0 |
| ote: | mbers above for the following 5-leg intersections rep Grape Street / I-5 Southbound On-Ramp Washington Street / Pacific Highway NB-Ramps | | mes for nbt nbl+nbl2 | nbr | nbr2 | | - | esents th | e 5th leg ebl ebl2 | / on-ran ebt ebl | np. ebr ebt | | wbr2 | wbr | |

wbt wbr2

Table D-65 2015 Intersection Turning Volumes – PM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Int # | | 1 | LND | NOT | LNDD | l er: | CDT 1 | cen | ED: | EDT | EDD | I WD: | WOT | LWED | Te 1-1 |
|--------------|--|-----------------------|-----------|------------|-----------|------------|-----------|----------|------------|--------------|-----------|------------|--------------|------------|----------------|
| Int# | | Total | NBL | NBT | NBR | SBL 478 | SBT ∩ | SBR | EBL | EBT | EBR | WBL 17 | WBT 674 | WBR | 7 Total |
| 1 | North Harbor Drive / Nimitz Blvd | Total Airport | 0 | 0 | 0 | 478 175 | 0 | 55 0 | 44 0 | 677 32 | 0 | 17 0 | 674 36 | 896 190 | 2,841 433 |
| ' | NOTH HAIDOLD (IVE / INITIAL DIVU | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| | | Total | 0 | 0 | 0 | 518 | 0 | 259 | 40 | 966 | 0 | 0 | 1,006 | 117 | 2,906 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 104 | 0 | 84 | 9 | 198 | 0 | 0 | 142 | 55 | 592 |
| | | Background | 0 | 0 | 0 | 414 | 0 | 175 | 31 | 768 | Ö | 0 | 864 | 62 | 2,314 |
| | | Total | 7 | 0 | 25 | 84 | 0 | 15 | 79 | 1,798 | 20 | 6 | 1,163 | 0 | 3,197 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 84 | 0 | 15 | 79 | 223 | 0 | 0 | 182 | 0 | 583 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,575 | 20 | 6 | 981 | 0 | 2,614 |
| | | Total | 160 | 4 | 337 | 21 | 9 | 70 | 65 | 1,711 | 131 | 467 | 1,383 | 0 | 4,358 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 4 | 53 | 21 | 9 | 70 | 65 | 222 | 20 | 57 | 543 | 0 | 1,077 |
| | | Background | 147 | 0 | 284 | 0 | 0 | 0 | 0 | 1,489 | 111 | 410 | 840 | 0 | 3,281 |
| 5 | North Harber Drive / Winship Lane | Total | 0 | 0 | 0 | 119 | 0 | 223 | 64 | 2,004 | 0 | 0 | 2,189 | 257 | 4,856 |
| 5 | North Harbor Drive / Winship Lane | Airport Background | 0 | 0 | 0 | 119 0 | 0 | 223 0 | 64 0 | 231 1,773 | 0 | 0 | 939 1,250 | 257 0 | 1,833 3,023 |
| | | Total | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 2,952 | 87 | 100 | 2,343 | 14 | 5,733 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 87 | 0 | 97 | 22 | 0 | 16 | 15 | 1,179 | 87 | 100 | 1,093 | 14 | 2,710 |
| | Notarriandor Brive / Nettai dar Noda | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 23 | 423 | 0 | 0 | 537 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,157 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 70 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| | | Background | 23 | 353 | 0 | 0 | 451 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,001 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 136 | 1 | 364 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 18 | 0 | 0 | 15 | 1 | 157 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 72 | 1,027 | 424 | 150 | 1,137 | 9 | 15 | 203 | 102 | 202 | 127 | 54 | 3,522 |
| 9 | Sassafras Street / Pacific Highway | Airport | 72 | 86 | 0 | 0 | 78 | 9 | 15 | 203 | 102 | 0 | 127 | 0 | 692 |
| | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| 10 | Laurel Street / North Harber Drive | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,174 | 2,014 | 0 | 0 | 1,682 | 102 | 5,059 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 76 | 0 | 0 11 | 479 695 | 819 | 0 | 0 | 756 926 | 0 102 | 2,054 3,005 |
| | | Background Total | 0 | 587 | 0 | 0 | 2,148 | 0 | 0 | 1,195 0 | 0 | 145 | 926 | 1,166 | 4,046 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 194 | 0 | 0 | 819 | 0 | 0 | 0 | 0 | 9 | 0 | 562 | 1,584 |
| | Hawthorn Street / North Halbor Drive | Background | 0 | 393 | 0 | 0 | 1,329 | 0 | 0 | 0 | 0 | 136 | 0 | 604 | 2,462 |
| | | Total | 0 | 647 | 261 | 1,194 | 1,093 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,195 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 194 | 10 | 549 | 279 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,032 |
| | | Background | 0 | 453 | 251 | 645 | 814 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,163 |
| | | Total | 131 | 718 | 176 | 166 | 574 | 438 | 507 | 768 | 62 | 59 | 886 | 85 | 4,570 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 56 | 5 | 8 | 77 | 94 | 96 | 383 | 0 | 3 | 357 | 6 | 1,085 |
| | | Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 3,485 |
| | | Total | 146 | 705 | 0 | 0 | 658 | 61 | 0 | 0 | 0 | 152 | 1,111 | 89 | 2,922 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 105 | 57 | 0 | 0 | 71 | 9 | 0 | 0 | 0 | 0 | 457 | 4 | 703 |
| | | Background | 41 | 648 | 0 | 0 | 587 | 52 | 0 | 0 | 0 | 152 | 654 | 85 | 2,219 |
| 45 | O Ot (Dif- Hi-b | Total | 0 | 756 | 504 | 280 | 639 | 0 | 57 | 1,744 | 42 | 0 | 0 | 0 | 4,022 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 152 604 | 0 504 | 1 279 | 70 569 | 0 | 10 47 | 507 1,237 | 42 0 | 0 | 0 | 0 | 782 3,240 |
| | | Background Total | 0 | 0 | 0 | 314 | 664 | 649 | 0 | 977 | 86 | 66 | 337 | 0 | 3,093 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 0 | 277 | 0 | 396 | 0 | 5 | 88 | 0 | 769 |
| 10 | Eduloi Glicoti Notinci Bodievara | Background | 0 | 0 | 0 | 311 | 664 | 372 | 0 | 581 | 86 | 61 | 249 | 0 | 2,324 |
| | | Total | 0 | 0 | 0 | 0 | 446 | 79 | 0 | 0 | 0 | 213 | 1,548 | 0 | 2,286 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 460 | 0 | 465 |
| | | Background | 0 | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | 1,821 |
| | | Total | 0 | 0 | 0 | 256 | 554 | 0 | 0 | 3,272 | 94 | 0 | 0 | 0 | 4,176 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 496 | 12 | 0 | 0 | 0 | 514 |
| | | Background | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 2,776 | 82 | 0 | 0 | 0 | 3,662 |
| | | Total | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 541 | 2,164 | 0 | 0 | 0 | 3,289 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 497 | 0 | 0 | 0 | 501 |
| | | Background | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 537 | 1,667 | 0 | 0 | 0 | 2,788 |
| 20 | Houstborn Ctroot / LE North d Off Do | Total | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,540 | 60 | 1,700 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 | 0 | 457 |
| | | Background Total | 39 113 | 61 362 | 106 | 0 | 0 | 0 | 0 743 | 0 560 | 0 59 | 0 | 1,083 323 | 60 317 | 1,243 2,583 |
| 21 | Laurel Street / India Street | Airport | 59 | 5 | 0 | 0 | 0 | 0 | 301 | 40 | 59 | 0 | 323 | 0 | 499 |
| | 233.51 Olloct / Ilidia Olloct | Background | 54 | 357 | 106 | 0 | 0 | 0 | 442 | 520 | 0 | 0 | 288 | 317 | 2,084 |
| | | Total | 0 | 0 | 0 | 189 | 1,804 | 270 | 0 | 249 | 117 | 97 | 102 | 0 | 2,828 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 280 | 41 | 0 | 66 | 67 | 0 | 41 | 0 | 495 |
| | | Background | 0 | 0 | 0 | 189 | 1,524 | 229 | 0 | 183 | 50 | 97 | 61 | 0 | 2,333 |
| | | Total | 208 | 1,544 | 36 | 0 | 0 | 0 | 344 | 69 | 126 | 0 | 15 | 18 | 2,360 |
| 23 | Sassafras Street / India Street | Airport | 64 | 306 | 0 | 0 | 0 | 0 | 101 | 0 | 0 | 0 | 0 | 0 | 471 |
| | | Background | 144 | 1,238 | 36 | 0 | 0 | 0 | 243 | 69 | 126 | 0 | 15 | 18 | 1,889 |
| | | Total | 0 | 0 | 0 | 527 | 53 | 12 | 0 | 240 | 56 | 219 | 99 | 0 | 1,206 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 37 | 14 | 61 | 62 | 0 | 175 |
| | | Background | 0 | 0 | 0 | 527 | 53 | 11 | 0 | 203 | 42 | 158 | 37 | 0 | 1,031 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total | 52 | 36 | 270 | 63 | 60 | 8 | 60 | 15 | 649 | 378 | 234 | 66 | 1,891 |
| 25 | washington offeet/ Pacific Highway NB-Ramps (1) | Airport | 17 35 | 0 36 | 70 200 | 0 63 | 0 60 | 0 | 0 60 | 0 15 | 37 612 | 106 272 | 234 | 0 66 | 230 |
| | | Background Total | 0 | 741 | 179 | 376 | 423 | 8 | 562 | 335 | 162 | 0 | 0 | 0 | 1,661 2,778 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 89 | 179 | 0 | 85 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 212 |
| 20 | Washington offeet / Harloock Offeet | Background | 0 | 652 | 162 | 376 | 338 | 0 | 562 | 335 | 141 | 0 | 0 | 0 | 2,566 |
| | | Total | 208 | 1,264 | 0 | 0 | 596 | 504 | 0 | 0 | 0 | 207 | 304 | 19 | 3,102 |
| 27 | Washington Street / San Diego Avenue | Airport | 17 | 72 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 21 | 0 | 1 | 175 |
| | J | Background | 191 | 1,192 | 0 | 0 | 532 | 504 | 0 | 0 | 0 | 186 | 304 | 18 | 2,927 |
| | | Total | 418 | 341 | 756 | 141 | 163 | 78 | 119 | 485 | 180 | 257 | 315 | 134 | 3,387 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 31 |
| | | Background | 418 | 338 | 745 | 141 | 160 | 78 | 118 | 483 | 180 | 247 | 314 | 134 | 3,356 |
| | | Total | 18 | 205 | 123 | 11 | 92 | 11 | 348 | 852 | 34 | 183 | 643 | 52 | 2,572 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 87 | 103 | 0 | 80 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 365 |
| | | Background | 18 | 118 | 20 | 11 | 12 | 11 | 348 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| Source: HNTE | | | | | | | | | | | | | | | |

Source: HNTB; 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl eb

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 eb

wbt wbr2 ebt

Table D-66 2020 Intersection Turning Volumes – AM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Norm Name Name Sweet Name Sweet Name | Int # | | 1 | MIDI | NIDT | Nipp | CD: | CDT | CDD | ED. | EDT | EDD | Wibi | MET | Wibb | Teks |
|--|--------------|---|------------|------|------|------|-----|-------|-----|-----|-------|-----|------|-------|------|-------|
| Membrach Charle Charles Major Ma | Int# | | Tetal | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| North Harbor Drive / McCan St. September 1 | 1 . | Neath Heaters D. 1888 28 D. 1 | | | | | | _ | | | | | | | | |
| Part | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Section March Harbor Drive Michael St. Section March Harbor Drive Spenish Landing March Harbor Drive | | | Background | | _ | | | _ | 30 | | _ | | | | | |
| Henderground C | | | Total | 0 | 0 | 0 | 147 | 0 | 130 | 205 | 734 | 0 | 0 | 820 | 466 | 2,502 |
| North Harbor Drive Spenish Landing Finds 5 | 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 62 | 0 | 98 | 13 | 268 | 0 | 0 | 126 | 77 | 644 |
| North Harbor Drive Spenish Landing Finds 5 | | | Background | 0 | 0 | 0 | 85 | 0 | 32 | 192 | 466 | 0 | 0 | 694 | 389 | 1,858 |
| Second Second Second Landing Second | | | | | 0 | | | | | | | | | | | |
| ## North Harbor Divine / Harbor Island Divine ## Apport 19 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Morth Herbor Drive / Harbor Island Drive Arbor A | Ŭ | 140/11/1/larbor brive / opariisir Lariding | | | | | | | | | | | | | | |
| ## North Harbor Drive Namor Island Drive Execution 13 of 10 of | - | | | | | | | | | | | | | | | |
| Secretary Part Pa | | North Harber Drive / Harber Island Drive | | | | | | | | | | | | | | |
| North Harbor Driver / Winshig Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Security | | | | | | | | | | | | | | | | |
| Bestground 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Part | 5 | North Harbor Drive / Winship Lane | Airport | 0 | | | 102 | 0 | 204 | 75 | 142 | | | 1,215 | 305 | |
| Besicon North Harbor Drive Renatal Car Road Alignort 70 0 56 10 0 0 14 15 1250 87 147 1,385 13 5,000 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,633 | 0 | 2,322 |
| Sheration / Harbon Island Drive | | | Total | 70 | 0 | 56 | 10 | 0 | 14 | 16 | 1,924 | 87 | 147 | 3,069 | 19 | 5,412 |
| Sheratan / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | Airport | 70 | 0 | 56 | 10 | 0 | 14 | 16 | 1,235 | 87 | 147 | | 19 | 3,090 |
| Sheration / Harbor Island Drive | | | | 0 | 0 | | 0 | 0 | | | | | | | 0 | 2.322 |
| Sheridon / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Besignord 13 62 0 0 154 69 85 27 0 0 0 144 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bender Final Column Final Column Col | , | Sileratori / Flarbor Island Drive | | | | | | | | | | | | | | |
| 8 Employee Lot / Harbor Halmod Drive Beskeymund 6 | | | | | | | | | | | | | | | | |
| Sessifical Street / Pacific Highway | | E | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway 10 Laurel Street / North Harbor Drive 11 Hardhorn Street / North Harbor Drive 12 Crape Street / North Harbor Drive 13 Crape Street / North Harbor Drive 14 Hardhorn Street / Pacific Highway 15 Eachground 16 Sassafras Street / North Harbor Drive 16 Eachground 17 Crape Street / North Harbor Drive 17 Crape Street / North Harbor Drive 18 Eachground 19 Crape Street / North Harbor Drive 19 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 10 Crape Street / North Harbor Drive 11 Crape Street / North Harbor Drive 12 Crape Street / North Harbor Drive 13 Crape Street / North Harbor Drive 14 Crape Street / North Harbor Drive 15 Crape Street / North Harbor Drive 16 Eachground 17 Crape Street / North Harbor Drive 18 Eachground 19 Crape Street / North Harbor Drive 19 Eachground 10 Crape Street / North Harbor Drive 10 Crape Street / Pacific Highway 11 Eachground 12 Crape Street / Pacific Highway 13 Crape Street / Pacific Highway 14 Harwhorn Street / Pacific Highway 15 Crape Street / Pacific Highway 16 Crape Street / Pacific Highway 17 Crate Street / Returner Soulevard 18 Crape Street / Returner Soulevard 19 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soulevard 10 Crape Street / Returner Soul | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Sassafras Street / Pacific Highway Sassafras Street / Sackground O 517 Sackground O 517 Sackground O 518 Sackground O 518 Sackground O 518 Sackground O 518 Sackground O Sackground O Sackground O Sackground O Sackground O O O O O O O O O | | | Background | | | | | | | | | | | | | |
| Besignound | | | | | | | | | | | | | | | | |
| Besignound | 9 | Sassafras Street / Pacific Highway | Airport | 85 | 83 | 0 | 0 | 107 | 12 | 6 | 83 | 51 | 0 | 166 | 0 | 593 |
| Laurel Street / North Harbor Drive Apport 0 0 0 0 23 0 4 469 1,302 0 0 2,162 44 4,094 1,002 1 1 1 1 1 1 1 1 1 | | | Background | 0 | 517 | 85 | 50 | 497 | 0 | 0 | 0 | 0 | 233 | 0 | 61 | 1,443 |
| 10 | | | | | _ | | | _ | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Amport 0 202 0 0 0 0 0 0 0 | 10 | Laurer Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 262 0 0 823 0 0 0 0 0 12 0 756 1,862 | \vdash | | | | | | | | | | | | | | | |
| Background | l ,. ! | | | | | | | | | | | | | | | |
| Total O 271 104 339 349 O O O O O O O O O | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background No. 9 | | | Total | 0 | 271 | 104 | 939 | 549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,863 |
| Background | 12 | Grape Street / North Harbor Drive | Airport | 0 | 262 | 10 | 551 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,107 |
| Total A | | • | Background | 0 | 9 | 94 | 388 | 265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 756 |
| 13 | | | | | | | | | | | | 1 | | | | |
| Background | 12 | Laural Street / Basific Highway | | | | | | | | | | , | | | | |
| Hawthorn Street / Pacific Highway | 13 | Ladiei Street / Ladiic Llighway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 143 70 0 0 0 134 12 0 0 0 0 0 622 8 88 89 | | | | | | | | | | | | | | | | |
| Background O 208 O O 108 62 C O O C 204 1,546 66 C 2,389 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background O 501 195 191 1,030 O 75 510 O O O O 2,502 | | | Total | 0 | 703 | 195 | 191 | 1,063 | 0 | 85 | 1,014 | | | | 0 | 3,298 |
| Background O 501 195 191 1,030 O 75 510 O O O O 2,502 | 15 | Grape Street / Pacific Highway | Airport | 0 | 202 | 0 | 0 | 33 | 0 | 10 | 504 | 47 | 0 | 0 | 0 | 796 |
| Laurel Street / Kettner Boulevard Airport 0 0 0 0 440 697 830 0 702 43 40 299 0 2911 | | | | | | | | | | | | | | | | |
| Airport O | | | | | | | | | | | | | 40 | | | |
| Background O | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | _ | |
| Hawthorn Street / Kether Boulevard | 10 | Laurer Street / Nettrier Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background Sector | | | | | _ | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 0 4 0 0 0 0 4 0 0 | | | Background | 0 | 0 | 0 | 0 | 285 | 152 | 0 | 0 | 0 | 181 | 2,323 | 0 | 2,941 |
| Background December Decembe | | | Total | 0 | 0 | 0 | 136 | 671 | 0 | 0 | 1,561 | 103 | 0 | 0 | 0 | 2,471 |
| Background December Decembe | 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 498 | 7 | 0 | 0 | 0 | 509 |
| Total 121 159 136 0 0 0 0 38 390 1,105 0 0 0 1,949 | | | | | | | | | | | | | | | | |
| Part | | | | | | | | | | | | | | | | |
| Background 121 159 136 0 0 0 38 387 606 0 0 0 0 1.447 | 10 | Crana Street / LE Southhound On Romn (1) | | | | | | | | | | | | | | |
| Total 52 49 0 0 0 0 0 0 0 0 0 | 19 | Grape Street / 1-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport December Flags Airport December Dec | \vdash | | | | | | | | _ | | | | | | _ | |
| Background Society Alpha Society Alpha Society Alpha Society Alpha Society Alpha | | | | | | | | | | | | | | | | |
| Color | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport Saked Airport Saked Air | | | | | | | | | | | | | | | | |
| Background A3 106 18 0 0 0 0 211 295 0 0 205 219 1,097 | | | Total | | | | | | | | | | | | | |
| Background A3 106 18 0 0 0 0 211 295 0 0 205 219 1,097 | 21 | Laurel Street / India Street | Airport | 54 | 4 | 0 | 0 | 0 | 0 | 302 | 36 | 69 | 1 | 46 | 0 | 512 |
| Total O O O O O O O O O | | | | 43 | 106 | 18 | 0 | 0 | 0 | | | 0 | 0 | 205 | 219 | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 386 51 0 25 26 0 52 0 540 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Mashington Street / Pacific Highway NB-Ramps (1) Total 20 31 31 32 31 31 32 32 33 34 31 31 32 33 34 31 31 31 32 33 34 31 31 31 32 33 34 31 31 31 31 31 31 | 22 | Sassafras Street / Kettner Roulevard | | | | | | | | | | | | | | |
| Total 203 834 10 0 0 0 127 27 57 0 37 23 1,318 | | Outstand Street / Nettrier Doulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Alirport 83 306 0 0 0 0 0 0 0 0 0 | \vdash | | | | | | 2/4 | 2,312 | 123 | | | | 13/ | | | |
| Washington Street / Pacific Highway SB-Ramps Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | 0 | . ota. | | 00. | | Û | Ú | Û | | | 31 | Û | Ŭ, | | 1,010 |
| Total 0 0 0 0 226 40 65 0 93 48 178 198 0 848 | 23 | Sassarras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | | | 0 | | | 226 | 40 | 65 | | | | | | 0 | |
| Background O O O O O C26 40 65 O 39 28 95 149 O 642 | 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 20 | 83 | 49 | 0 | 206 |
| Total Tota | | | | 0 | 0 | 0 | 226 | 40 | 65 | 0 | 39 | | | 149 | 0 | 642 |
| Airport 13 0 63 0 0 0 1 0 53 118 0 0 248 | | | | | | | | | | | | | | | | |
| Background 57 11 66 31 7 21 26 0 235 264 166 54 938 | 25 | Washington Street / Pacific Highway NR-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 315 129 394 488 0 473 221 179 0 0 0 0 2,179 | 20 | 1. acington offect / Lacine Flighway ND-Italips (1) | | | | | | | | | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 91 25 1 101 0 0 0 17 0 0 0 235 | \vdash | | | | | | | | | | | | | | | |
| Background O 224 104 393 367 O 473 221 162 O O 0 1,944 | -00 | Machineton Chart / II | | | | | | | | | | | | | | |
| Total 124 713 0 0 673 668 0 0 0 0 206 233 8 2,625 Airport 25 66 0 0 85 0 0 0 0 17 0 0 193 Background 99 647 0 0 588 668 0 0 0 1 193 Total 206 154 229 99 146 61 64 182 150 345 168 98 1,902 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 139 111 35 145 37 124 536 24 135 551 35 1,863 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | 26 | vvasnington Street / Hancock Street | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 99 647 0 0 0 588 668 0 0 0 0 189 233 8 2,432 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 1 2 0 13 3 2 0 36 Background 206 151 219 99 146 61 64 182 150 345 168 98 1,902 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 139 111 35 145 37 124 536 24 135 551 35 1,892 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 109 0 0 0 0 0 129 0 0 2 2 8 8 8 8 1,902 | | | | 124 | 713 | | | 673 | 668 | 0 | | | 206 | 233 | 8 | 2,625 |
| Background 99 647 0 0 0 588 668 0 0 0 0 189 233 8 2,432 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 1 2 0 13 3 2 0 36 Background 206 151 219 99 146 61 64 182 150 345 168 98 1,902 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 139 111 35 145 37 124 536 24 135 551 35 1,892 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 109 0 0 0 0 0 129 0 0 2 2 8 8 8 8 1,902 | 27 | Washington Street / San Diego Avenue | Airport | 25 | 66 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 193 |
| 28 Rosecrans Street / Pacific Highway Total 206 154 229 99 146 61 64 182 150 345 168 98 1,902 | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 32 166 98 1,866 29 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 109 0 0 0 0 129 0 0 429 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | | |
| Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 139 111 35 145 37 124 536 24 135 551 35 1,892 PRosecransStreet / Nimitz Boulevard 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | 20 | Possorane Street / Posific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 20 | Noscirans Succel/ Facilic Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 109 0 0 0 0 129 0 0 429 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | | |
| Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTD 2007 | | | Background | 20 | 52 | 7 | 35 | 36 | 37 | 124 | 536 | 24 | 6 | 551 | 35 | 1,463 |
| GOUIGE, FINTE, 2007 | Source: HNTE | 3. 2007 | | | | | | | | | | | | | | |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl ebr ebt wbt wbr2

Table D-67 2020 Intersection Turning Volumes – PM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Morth Hartor Driver / Expert Morth Hartor Driver / Hartor H | | | | | | | | | | | | | | | | |
|--|--------------|--|------------|-----|-----|-----|-------|-------|-----|-----|-------|-----|-----|-------|-------|-------|
| North Harbor Driver / Michael Submit Regent C D C Sig D D D D D D D D D | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| North Harbor Driver / Michael Report | | | Total | 0 | 0 | 0 | 583 | 0 | | 45 | 703 | 0 | 20 | 826 | 1,053 | 3,302 |
| North Harbor Drive / McCan St Morth State North Harbor Drive / Speak Morth Harbor Drive Morth H | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| North Harbor Drive / McCan St. Property April Property April Property April Property April Property April April Property April A | | | | | | | | | | | | | | | | |
| North Hebro Drive / McCan St. August C 0 0 100 0 0 100 0 100 0 | | | | | | | | | | | | | | | | |
| Secretary Secr | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Drive / Sparish Lundrig | - | Notal Halber Blive / McGalli Gt | | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Amount Amo | | | | | | | | | | | | | | | | |
| North Harbor Driver / Harbor Island Drive Resignment 7, 0 22 0 0 0 0 1, 174 22 7 1979 0 0 0 2, 282 2 1 0 0 7, 77 2, 283 0 0 0 0 0 0 0 0 0 | 0 | North Hadron Daire / Consider Londing | | | | | | | | | | | | | | |
| ## North Harbor Island Drive Angel 100 77 77 77 77 77 77 7 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Amount | | | | | | | | | | | | | | | | |
| Beagground 152 | | | | | | | | | | | | | | | | |
| North Narbor Drive / Wriship Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Section Amount State Chine Westing Lare Engagement 0 | | | Background | | | 294 | | | | | | 124 | | | | |
| Sessignord 0 0 0 0 0 0 0 0 0 | | | Total | 0 | 0 | 0 | 136 | 0 | 244 | 67 | 2,180 | 0 | 0 | 2,327 | 289 | 5,243 |
| North Harbor Driver / Rental Car Road Arport of 10 0 10 10 10 10 10 10 | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 136 | 0 | 244 | 67 | 235 | 0 | 0 | 1,029 | 289 | 2,000 |
| North Habbor Drive / Rental Car Road Amptot 96 0 108 22 0 10 105 1296 60 111 1296 142 2379 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| North Habrot Drive Rental Car Road Amptor 66 0 109 22 0 16 15 1296 56 111 1296 14 2.399 | | | Total | 96 | 0 | 108 | 22 | 0 | 16 | 15 | 3,240 | 96 | 111 | 2,504 | 14 | 6,222 |
| Sherston Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | Airport | 96 | 0 | 108 | 22 | 0 | 16 | 15 | 1,295 | 96 | 111 | 1,206 | 14 | 2,979 |
| Sheration / Harbor Island Drive | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| Sheration Harricor Island Drive Amptor 0 772 0 0 488 0 0 0 0 0 0 0 0 0 | | | | 23 | 441 | 0 | 0 | 566 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1.204 |
| Baudgound 33 350 0 0 0 478 70 77 27 2 5 0 0 0 1,044 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendeling | | | | | | | | | | | | | | | | |
| Bernplayer American Street Pacific Highway American Street | | | | | | | | | | | | | | | | |
| Sassafras Steet / Pacific Highway | Ω | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway 10 Laurel Street / Pacific Highway 11 Hawthorn Street / Pacific Highway 12 Hawthorn Street / Pacific Highway 14 Hawthorn Street / Pacific Highway 15 Grape Street / Pacific Highway 16 Hawthorn Street / Pacific Highway 16 Hawthorn Street / Rotth Harbor Drive 17 Hawthorn Street / Rotth Harbor Drive 18 Hawthorn Street / Rotth Harbor Drive 18 Hawthorn Street / Rotth Harbor Drive 19 Hawthorn Street / Rotth Harbor Drive 19 Hawthorn Street / Rotth Harbor Drive 19 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 21 Hawthorn Street / Rotth Harbor Drive 22 Hawthorn Street / Rotth Harbor Drive 23 Hawthorn Street / Rotth Harbor Drive 24 Hawthorn Street / Rotth Harbor Drive 25 Hawthorn Street / Rotth Harbor Drive 26 Hawthorn Street / Rotth Harbor Drive 26 Hawthorn Street / Rotth Harbor Drive 27 Hawthorn Street / Rotth Harbor Drive 28 Hawthorn Street / Rotth Harbor Drive 29 Hawthorn Street / Rotth Harbor Drive 29 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 20 Hawthorn Street / Rotth Harbor Drive 21 Hawthorn Street / Rotth Harbor Drive 22 Hawthorn Street / Rotth Harbor Drive 23 Hawthorn Street / Rotth Harbor Drive 24 Hawthorn Street / Rotther Boulevard 25 Hawthorn Street / Rotther Boulevard 26 Hawthorn Street / Rotther Boulevard 27 Hawthorn Street / Rotther Boulevard 28 Hawthorn Street / Hawthorn Street / Hawthorn Street / Rotther Boulevard 29 Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Rotther Boulevard 20 Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Rotther Boulevard 29 Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Street / Hawthorn Stree | o | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Amport 78 98 0 0 89 10 16 218 110 0 338 0 759 | | | | | | | | | | | | | | | | |
| Beadground 0 837 422 334 944 0 0 0 0 0 10 10 5 5 2879 | | Connefron Ctreat / D16- 111-b | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Amport 0 0 0 68 0 10 1,273 2,172 0 0 1,874 115 5,512 | Э | Sassarras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 4- | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 212 0 0 0 885 0 0 0 0 13 0 618 1738 | | | | | | | | | | | | | | | | |
| Background 0 | | | | | | | | | | | | | | | | |
| Total Carpe Street / North Harbor Drive Airport Carpe Street North Harbor Drive Airport Carpe Street North Harbor Drive Airport Carpe Street Airport | 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 212 | 0 | 0 | 895 | 0 | 0 | 0 | 0 | 13 | 0 | 618 | 1,738 |
| Total Carpo Street / North Harbor Drive Alprott O 128 245 1,271 1,157 O O O O O O O O O | | | Background | 0 | 410 | 0 | 0 | 1,475 | 0 | 0 | 0 | 0 | 169 | 0 | 753 | 2,807 |
| 12 Grape Street / North Harbor Drive Airport 0 212 14 599 309 0 0 0 0 0 0 0 0 0 | | | | 0 | 629 | 245 | 1,271 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Background National Process Section National Process Nationa | 12 | Grape Street / North Harbor Drive | | | 212 | | | | 0 | | 0 | 0 | | | 0 | |
| Total 148 812 202 1632 588 438 471 765 55 55 54 863 75 4,613 | | • | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 148 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | East of October 1 domo 1 lightnay | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 116 68 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 48 728 0 0 0 666 59 0 0 0 1677 719 93 2.478 | 1.1 | Hawthern Street / Basifia Highway | | | | | | | | | | | | | | |
| Total | 14 | nawthorn Street / Pacific nighway | | | | | | | | | | | | | | |
| Airport O 169 O T 77 O 14 554 46 O O O 0 881 | | | | | | | | | | | | | | | | |
| Background Color | 45 | O Ot (D: 11: | | | | | | | | | | | | | | |
| Total Airport Color Co | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Background Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 0 0 0 523 1,116 626 0 512 76 51 208 0 3,112 1704 0 2,756 1 1704 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Total | 16 | Laurel Street / Kettner Boulevard | Airport | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Barkground 0 | | | Background | 0 | 0 | 0 | 523 | | 626 | 0 | 512 | 76 | | | 0 | |
| Background | | | Total | 0 | 0 | 0 | 0 | 752 | 134 | 0 | 0 | 0 | 223 | 1,647 | 0 | 2,756 |
| Total | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 508 | 0 | 518 |
| Total O O O 330 709 O O 3,552 100 O O O 4,891 | | | Background | 0 | 0 | 0 | 0 | 742 | 134 | 0 | 0 | 0 | 223 | 1,139 | 0 | 2,238 |
| Minort O O O O O O O O O | | | | 0 | 0 | 0 | 330 | 709 | 0 | 0 | 3,552 | 100 | | | 0 | |
| Background O O O O O O O O O | 18 | Grape Street / Kettner Boulevard | | 0 | 0 | 0 | | 1 | 0 | 0 | | | 0 | 0 | 0 | |
| Total 183 348 340 0 0 0 0 23 483 2,034 0 0 0 0 3,411 | - | | | | 0 | | | | | | | | | | | |
| Seed Part | | | | | | | | | | | | | | | | |
| Background 183 348 340 0 0 0 23 479 1.487 0 0 0 0 2.8670 | 10 | Grane Street / L-5 Southhound On-Ramp (1) | | | | | | | | | | | | | | |
| Packground Alternative A | 13 | Orașe Street / 1-3 Southbourid Ori-Namp (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 42 65 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / L5 Northhound Off Doma | | | | | | | | | | | | | | |
| Total | 20 | riawatorn oacet / 1-5 Norabound On-Ramp | | | | | | | | | | | | | | |
| Airport Facilitation Facing Fac | | | | | | | | | | | | | | | | |
| Background 43 285 84 0 0 0 369 435 0 0 274 301 1,791 | 24 | Laural Chroat / India Other at | | | | | | | | | | | | | | |
| Total | ∠1 | Laurer Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 310 47 0 74 75 0 48 0 554 | | | | | | | | | | | | | | | | |
| Background O O O 452 3,639 548 O 176 48 96 61 O 5,020 | 00 | Connection Character (1/C-than 2 | | | | | | | | | | | | | | |
| Sassafras Street / India Street | 22 | Sassairas Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 70 338 0 0 0 0 109 0 0 0 0 0 0 517 | | | | | | | | | | | | | | | | |
| Background 118 1,016 30 0 0 0 240 68 124 0 16 19 1,631 | | | | | | | | | | | | | | | | |
| Total 0 0 0 0 596 60 13 0 262 63 237 125 0 1,356 60 13 0 262 63 237 125 0 1,356 60 13 0 262 63 237 125 0 1,356 60 12 0 213 44 170 40 0 1,135 60 125 60 125 125 60 125 125 60 125 125 60 125 125 60 125 125 60 125 125 60 125 125 60 125 125 125 125 125 125 125 125 125 125 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 1 0 49 19 67 85 0 221 | | | | | | | | | | | | | | | | |
| Background O O O 596 60 12 O 213 44 170 40 O 1,135 | | | | | | | | | 13 | | | | | | | |
| Background O O O 596 60 12 O 213 44 170 40 O 1,135 | 24 | Washington Street / Pacific Highway SB-Ramps | Airport | | | | | | | | | | | | | 221 |
| Total 47 25 212 67 65 8 65 16 707 407 240 68 1,927 | | | Background | 0 | 0 | 0 | 596 | 60 | 12 | 0 | 213 | 44 | 170 | 40 | 0 | 1,135 |
| Airport 24 0 76 0 0 0 1 0 49 129 0 0 0 279 | | | | 47 | 25 | 212 | | 65 | _ 8 | _65 | | 707 | | 240 | 68 | |
| Background 23 25 136 67 65 8 64 16 658 278 240 68 1,648 Total 0 769 189 422 479 0 742 443 215 0 0 0 3,259 Airport 0 102 23 1 100 0 0 0 29 0 0 0 0 255 Background 0 667 166 421 379 0 742 443 186 0 0 0 3,004 Total 237 1,415 0 0 714 609 0 0 0 22 315 20 3,532 Airport 23 79 0 71 0 0 0 0 22 315 20 3,532 Airport 23 79 0 0 71 0 0 0 0 29 0 1 20 3,532 Background 214 1,336 0 0 643 609 0 0 0 222 315 20 3,532 Background 214 1,336 0 0 643 609 0 0 0 29 0 1 203 Background 214 1,336 0 0 643 609 0 0 0 193 315 19 3,329 Total 363 297 660 120 139 68 118 482 178 283 348 147 3,203 Airport 0 3 12 0 3 1 1 2 0 3 1 1 2 0 0 3 1 1 2 0 0 3 1 1 2 0 0 35 Background 363 294 648 120 136 67 117 480 178 272 346 147 3,168 Total 22 240 137 28 119 28 278 680 27 182 566 46 2,353 Total 22 240 137 28 119 28 278 680 27 78 566 46 1,953 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 769 189 422 479 0 742 443 215 0 0 0 3,259 23 1 100 0 0 0 0 29 0 0 0 0 255 25 25 25 25 25 25 25 25 25 25 25 25 | | 3 | | | | | | | | | | | | | | |
| Airport 0 102 23 1 100 0 0 29 0 0 0 255 | | | | | | | | | | | | | | | | |
| Background Deckground Dec | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 237 1,415 0 0 714 609 0 0 0 222 315 20 3,532 | | | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 214 1,336 0 0 643 609 0 0 0 193 315 19 3,329 Total 363 297 660 120 139 68 118 482 178 283 348 147 3,203 Airport 0 3 12 0 3 1 1 2 0 0 11 2 0 0 11 2 0 0 35 Background 363 294 648 120 136 67 117 480 178 272 346 147 3,168 Total 22 240 137 28 119 28 278 680 27 182 566 46 2,353 Airport 0 95 113 0 88 0 0 0 0 0 104 0 0 0 400 Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | 27 | Washington Street / San Diogo Avenus | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Forbid Rosecrans Street / Nimitz Boulevard Rosecrans Rosecrans Street / Nimitz Boulevard Rosecrans R | 41 | washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background 363 294 648 120 136 67 117 480 178 272 346 147 3,168 Total 22 240 137 28 119 28 278 680 27 182 566 46 2,353 Airport 0 95 113 0 88 0 0 0 0 0 104 0 0 0 400 Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | | D | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Total 22 240 137 28 119 28 278 680 27 182 566 46 2,353 Airport 0 95 113 0 88 0 0 0 0 104 0 0 400 Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 95 113 0 88 0 0 0 0 104 0 0 400 Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | | | | | | | | | | | | | | | | |
| Background 22 145 24 28 31 28 278 680 27 78 566 46 1,953 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | Background | 22 | 145 | 24 | 28 | 31 | 28 | 278 | 680 | 27 | 78 | 566 | 46 | 1,953 |
| | Source: HNTE | 3, 2007 | | | | | | | | | | | | | | |

Source: HNTs, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements: "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl et

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 et

wbt wbr2 ebt

Table D-68 2025 Intersection Turning Volumes - AM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| North Harbor Driver / Shareh Lamiling Shareh Sh | Int# | | 1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|----------|---|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| Month Hathor Drive / Nortit Short | IIIL# | | Total | | | | | | | | | | | | | |
| North Harbor Drive / McClam St. St. Property Pr | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Part | ' | TOTAL TOTAL STITE / THIRTIE DIVE | | | | | | | | | | | | | | |
| Seminate Draw McCane St. Appendix Col. | | | | | | | | | | | | | | | | |
| Secretary Column | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Second S | | | | | 0 | | | | | | | | | | | 1,941 |
| ## Recognomy 6 0 10 0 0 0 0 0 0 0 | | | | 5 | | 18 | 39 | 0 | 7 | 113 | 863 | 6 | 18 | 1,759 | 0 | 2,828 |
| A North Hatbor Drive Hatbor Island Drive August | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| ## North Harbor Drive / Harbor Island Drive Algority 33 6 41 19 12 84 30 181 21 86 742 0 1255 ## North Harbor Drive / Whealty Lene Algority 0 0 10 0 0 0 0 0 0 | | | | | _ | | | | | | | | | | | |
| Secretary Part Pa | | | | | | | | | | | | | | | | |
| North Herbor Drive / Winshig Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Secondary March Harbor Dinner Margant O | | | | | | | | | | | | | | | | |
| Beckground C | | North Harbar Drive / Windria Land | | | | | | | | | | | | | | |
| North Harbor Drive / Renfal Carl Road Appairt Appa | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| Beach | - | | | | | | | | | | | | | | | |
| Sheration / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheritton / Harbor Island Drive | Ů | Horar Harbor Brito / Horital Gai Hoad | | | | | | | | | | | | | | |
| Sheridon / Harbor Island Drive Employee Lot | | | | | | | | | | | | | | | | |
| Bestground 13 62 0 0 1677 69 85 62 0 0 0 1457 1450 1500 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendergound Color | | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| Besignood 0 | | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 97 | 0 | 0 | 72 | 1 | 290 |
| Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 17 | 0 | 0 | 22 | 1 | 160 |
| Page | | | Background | 0 | | | | | 0 | | 80 | | | | | |
| Bearground | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Appart 0 0 0 15 0 3 351 1,285 0 0 2,297 48 4,217 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Alegory 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 40 | Loursel Street / North Hart Drive | | | _ | | | | | | | | | | | |
| Hawthon Street / North Harbor Drive Auron | 10 | Laurei Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 278 0 0 0 873 0 0 0 0 0 15 0 897 1,971 | | | | | | | | | | | | | | | | |
| Background 0 75 0 0 443 0 0 0 0 102 0 1,769 2,894 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total O 288 111 994 834 O O O O O O O O O | '' | Hawmom Sueet/ North Harbor Drive | | | | | | | | | | | | | | |
| Airport 10 276 12 584 304 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Declaration Part Pacific Highway Pacific High | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total Fig. Total Fig. Total Fig. Total Fig. Fig. Fig. Total Fig. Fi | 12 | Grape Greet, Horal Harbot Drive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | 1 | | | | |
| Background 50 897 123 94 288 318 8 143 1 44 310 52 1,828 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | 0 | | | | |
| Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 151 77 | | | | | | | | 235 | | | | 0 | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | 151 | 77 | 0 | 0 | 37 | 15 | 0 | 0 | 0 | 0 | 656 | 11 | 947 |
| Airport Seasorgound Airport | | | | | | | | | | | | | | | | |
| Beckground 0 530 207 208 1,121 0 78 532 0 0 0 0 0 2,676 | | | | | | | | | | | | | | | | |
| Laurel Street / Kettner Boulevard Airport 0 0 0 0 38 511 786 0 729 42 43 271 0 2.763 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport 0 | | | | | | | | | | | | | | | | |
| Background 0 | 10 | Loursel Ctroot / K-th David | | | | | | | | | | | | | | |
| Hawthorn Street / Kether Boulevard | 16 | Laurei Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | — | | | | | | | | | | | | | | | |
| Background Background O O O O O C 236 126 O O O 193 2478 O 3.033 | 17 | Hawthorn Street / Kettner Roulevard | | | | | | | | | | | | | | |
| Total | '' | Hawaioin Sueet/ Nettilei Doulevald | | | | | | | | | | | | | | |
| Airport 0 0 0 5 1 0 0 0 529 7 0 0 0 542 | | | | | _ | | | | | | | | | | | |
| Background Deck D | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 126 166 142 0 0 0 0 39 404 1,157 0 0 0 0 2,034 | | Tipe Titti Namor Banarara | | | | | | | | | | | | | | |
| Part | | | | | | | | | | | | | | | | |
| Background 126 166 142 0 0 0 39 400 626 0 0 0 1,499 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Total 10 10 10 10 10 10 10 1 | | | | | | | | | | | | | | | | |
| Background So So So So So So So S | | | | 55 | | | | 0 | 0 | 0 | | 0 | | 2,397 | 69 | 2,574 |
| Laurel Street / India Street Total 108 117 19 0 0 0 534 336 83 1 256 221 1,675 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | | | | | | | | | 663 | | 663 |
| Airport 63 6 0 0 0 0 0 321 39 83 1 49 0 562 | | | | | | | | | | | | | | | | |
| Background 45 111 19 0 0 0 0 213 297 0 0 0 207 221 1,113 | | | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 0 409 56 0 28 28 0 56 0 577 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Pacific Highway SB-Ramps Total 20 | | 0 | | | | | | | | | | | | | | |
| Sassafras Street / India Street | 22 | Sassarras Street / Kettner Boulevard | | | _ | | | | | | | | | | | |
| Sassafras Street / India Street Airport | - | | | | | | | | | | | | | | | |
| Washington Street / Pacific Highway SB-Ramps Total 0 0 0 0 0 0 0 0 0 | 22 | Saccafrae Street / India Street | | | | | | | | | | | | | | |
| Total 0 0 0 0 201 35 58 0 102 51 188 216 0 851 | 23 | Sassanas Sneet / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 1 0 64 24 87 57 0 233 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Total 44 5 99 31 7 22 29 0 314 391 165 54 1.161 | | | | | | | | | | | | | | | | |
| 25 Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | | | |
| Background 28 5 32 31 7 22 28 0 251 262 165 54 885 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 323 134 388 470 0 531 248 202 0 0 0 0 2,296 | | 3 3 3, 3, 4, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, | | | | | | | | | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 100 30 1 109 0 0 0 0 20 0 0 0 260 | | | | | | | | | | | | | | | | |
| Background Color | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 128 708 0 0 702 693 0 0 0 202 225 9 2.667 Airport 30 71 0 0 91 0 0 0 20 225 9 2.667 Background 98 637 0 0 611 693 0 0 0 182 225 8 2.454 Rosecrans Street / Pacific Highway Rosecrans Street / Nimitz Boulevard Total 209 156 234 100 148 62 65 186 152 348 169 98 1,927 Airport 0 3 11 0 4 1 1 2 0 14 2 0 38 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 RosecransStreet / Nimitz Boulevard RosecransStreet / Nimitz Boulevard Rosecrans Street / Nimitz Boulevard Total 21 147 117 9 125 10 121 524 23 142 554 35 1,828 Background 21 147 117 9 125 10 121 524 23 16 554 35 1,828 Background 21 147 117 9 10 11 10 11 152 34 23 6 554 35 1,374 | | <u> </u> | | 0 | 223 | | 387 | 361 | 0 | | | | 0 | 0 | | |
| Background 98 637 0 0 0 611 693 0 0 0 182 225 8 2,454 Rosecrans Street / Pacific Highway Rosecrans Street / Pimitz Boulevard Rosecrans Street / Nimitz Boulevard Background 98 637 0 0 0 611 693 0 0 0 182 225 8 2,454 Total 20 156 234 100 148 62 65 186 152 348 169 98 1,927 Airport 0 3 11 0 4 1 1 2 0 14 2 0 18 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 Total 21 147 117 9 125 10 121 524 23 142 554 35 1,828 Rosecrans Street / Nimitz Boulevard | | | Total | | 708 | | 0 | | | 0 | 0 | 0 | | | | 2,667 |
| 28 Rosecrans Street / Pacific Highway Face and | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport Background 0 3 11 0 4 1 1 2 0 14 2 0 38 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 29 RosecransStreet / Nimitz Boulevard Airport Airport 0 93 110 0 115 0 0 0 0 136 0 0 454 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | | | | | | | | | | | | | | | |
| Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 Probability 170 189 125 10 121 124 124 125 125 125 125 125 125 125 125 125 125 | | | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 93 110 0 115 0 0 0 0 136 0 0 454 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | | | | | | | | | | | | | | | |
| Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | -00 | Decempe Street / Nimite Devicement | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | Dackground | 21 | 54 | / | Э | 10 | 10 | 121 | 5∠4 | ∠3 | b | 554 | პნ | 1,374 |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-69 2025 Intersection Turning Volumes – PM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| North Harbor Drive / Name Brown Property Int# | | 1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|-------------|--|------------|-----|-------|-----|-----|-----|-----|-----|-------|-----|-----|-------|-------|-------|
| North Harbor Drive / Morchan Bit Morth Flates Drive Morth F | | | Total | | 0 | 0 | 618 | 0 | | | 737 | 0 | 22 | 876 | 1,110 | 3,486 |
| Patern Nember Chree / Michael St. Application Communication Communicat | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| North Harbor Done / Michael Segment Aground 0 0 0 0 150 0 150 0 22 0 0 150 0 250 0 0 250 250 2 | | | | | | | | | | | | | | | | |
| Reciprocal | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Driver Spanish Lundrig August 0 0 0 0 0 0 0 0 0 | - | Notti Halboi Brive / Wiccain St | | | | | | | | | | | | | | |
| ## North Harbor Driven / Herbor Island Drive Resignant 7, 0 25, 0 0 0 0 7,700 27, 7 1,108 0 2,805 ## North Harbor Driven / Herbor Island Drive Resignant 102 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Month Halthor Drive Harbor Island Drive Argunt 180 5 34 21 11 81 70 180 145 55 157 157 157 157 158 0 0 1.85 0 1.85 1.85 1.85 1.85 1.85 0 0 0 1.85 1. | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Drive / Histori teland Drive Exerginate 18 5 554 21 11 11 75 220 20 58 63 0 123 | | | | | | | | | | | | | | | | |
| Section | 4 | North Harbor Drive / Harbor Jaland Drive | | | | | | | | | | | | | | |
| Section | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Hatbor Drive / Winship Lane Resignant 0 | | | | | | | | | | | | | | | | |
| North Harbor Draw / Rental Car Road | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| North Habbot Drive Rental Carl Road Amption 102 0 115 22 0 16 15 1368 103 118 1278 14 3,152 17 18 1278 14 3,152 17 18 1278 14 3,152 17 18 1278 14 3,152 18 18 1278 14 3,152 18 18 1278 18 1278 14 3,152 18 18 1278 18 1278 18 1278 14 3,152 18 18 1278 1278 1278 1278 1278 127 | | • | Background | | | | | | | | | | | 1,390 | 0 | 3,344 |
| Sherston / Harbor Island Drive | _ | | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheaton / Hisbor Island Drive | | | | | | | | | | | | | | | | |
| Basingsound 33 366 0 0 0 066 70 77 72 25 0 0 0 1,075 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Benderour Performance Pe | | | | | | | | | | | | | | | | |
| Sessarias Site of Inflament | | | Total | | | | | | | 68 | | | | | | |
| 9 Sassafras Sireet / Pacific Highway Apport 63 1,101 448 151 1,169 11 17 7 230 110 210 140 68 37,22 10 Laurel Street / North Harbor Drive Apport 61 63 107 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Airport 83 107 0 0 97 11 17 230 116 0 149 0 810 | | | | | | | | | | | | | | | | |
| Bedrigound 0 984 448 151 1,062 0 0 0 0 219 0 68 2,932 | ۵ | Saccafrae Street / Dacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Marbor Drive Arport 0 0 0 0 55 0 77 1,263 24,93 0 0 0 1,374 121 5,568 | 9 | Gassarias Gueet / Facilic Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Asport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 562 | 943 | 0 | 0 | 877 | 0 | 2,382 |
| Hawthorn Street / North Harbor Drive | | | Background | | | | | | | | | | | | | |
| Beskground | ٦. ٦ | Handbarr Obsert (N. W. L. B. | | | | | | | | | | | | | | |
| Total Carpe Street / North Harbor Drive Apport 0 224 17 631 328 0 0 0 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 224 17 831 328 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O 439 243 710 898 O O O O O O O O C 2,288 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Alprort 0 71 12 9 93 109 112 20 0 6 424 7 1,233 | | | | | | | | | | | | | | | | |
| Background 160 812 210 161 506 350 243 227 36 48 458 68 3.279 | | | Total | 160 | 883 | | | | | 355 | | | | | 75 | |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 122 76 0 0 0 33 16 0 0 0 0 0 531 8 836 | | | | | | | | | | | | | | | | |
| Background 50 789 0 0 721 63 0 0 0 191 823 107 2,744 | 1.1 | Hauthorn Stroot / Basifia Highway | | | | | | | | | | | | | | |
| Total | 1-4 | riawtioni Street / Facilic riighway | | | | | | | | | | | | | | |
| Airport Airp | | | | | | | | | | | | | | | | |
| Laurel Street / Kethner Boulevard Airport 0 0 0 4658 9658 858 0 975 74 64 324 0 3,707 | 15 | Grape Street / Pacific Highway | | 0 | | | | | | | | | | | | |
| Bakaground O | | | | | | | | | | | | | | | | |
| Background 0 0 0 448 956 536 0 503 74 51 209 0 2,777 | 40 | | | | | | | | | | | | | | | |
| Total | 16 | Laurei Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 13 0 0 0 0 0 0 339 0 552 | | | | | | | | | | | | | | | | |
| Background | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 19 Grape Street / Kettner Boulevard Airport 0 0 0 12 1 0 0 572 12 0 0 0 0 597 | | | | | | | | | | | | | | | | |
| Background O O O 298 656 O O 3,055 90 O O O O 4,099 | | | Total | 0 | | 0 | 310 | 657 | 0 | 0 | 3,627 | 102 | 0 | | 0 | |
| Total 190 363 355 0 0 0 24 499 2,115 0 0 0 0 3,546 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 190 363 355 0 0 0 24 495 1,536 0 0 0 0 2,963 | 10 | Crana Street / LE Southhound On Rome (1) | | | | | | | | | | | | | | |
| Packground Found | 19 | Grape Street / 1-5 Southbound On-Kamp (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp Background 45 70 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 45 70 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport ST ST ST ST ST ST ST S | | · | Background | | | | | | | | | | | 963 | | 1,131 |
| Sassafras Street / Kettner Boulevard | ٥. | 1 10: 1:: :: :: :: | | | | | | | | | | | | | | |
| Total 0 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Airport | | | | | _ | | | | | | | | | | | |
| Background 192 1,363 29 0 0 0 3,219 484 0 195 53 98 62 0 4,511 | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport Airport 75 359 0 0 0 359 70 127 0 17 21 2,178 | | | | | | | | | | | | | | | | |
| Washington Street / Pacific Highway SB-Ramps Total 0 0 0 0 529 53 12 0 266 65 253 144 0 1,322 | | | Total | 192 | 1,363 | 29 | 0 | 0 | 0 | 359 | 70 | 127 | 0 | 17 | 21 | 2,178 |
| Total 0 0 0 529 53 12 0 266 65 253 144 0 1,322 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background O O O S29 S3 11 O 206 43 182 43 O 0 1,067 | 24 | Washington Street / Pacific Highway SR-Pomps | | | | | | | | | | | | | | |
| Total 39 12 146 69 66 8 69 17 760 421 238 67 1,912 | 47 | asimigron oncer i acino riigilway ob-Namps | | | | | | | | | | | | | | |
| Airport 28 0 80 0 0 0 1 0 59 144 0 0 0 312 | | | | | | | | | | | | | | | | |
| Total | 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 28 | 0 | 80 | 0 | | | 1 | 0 | 59 | 144 | 0 | 0 | |
| 26 Washington Street / Hancock Street Airport 0 111 28 1 110 0 0 0 34 0 0 0 0 284 | | | Background | | 12 | 66 | | 66 | | | | 701 | | | 67 | |
| Background O 663 165 414 372 O 833 498 209 O O O O 3,154 | | w o | | | | | | | | | | | | | | |
| Total 239 1,397 0 0 744 633 0 0 0 0 222 305 19 3,559 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | | | | | | | | | | | | | |
| Background 211 1,313 0 0 668 633 0 0 0 187 305 18 3,335 Rosecrans Street / Pacific Highway | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway For Intel Research Total 368 302 670 122 142 69 120 490 181 285 350 148 3,247 | | g oun blogs / troited | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 13 0 3 1 1 2 0 12 2 0 38 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 29 RosecransStreet / Nimitz Boulevard Airport 0 100 119 0 93 0 0 0 0 110 0 0 0 422 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | 368 | 302 | 670 | 122 | 142 | 69 | 120 | 490 | 181 | 285 | 350 | 148 | 3,247 |
| 29 RosecransStreet / Nimitz Boulevard Total 23 250 144 7 101 7 272 665 27 188 569 46 2,299 Airport 0 100 119 0 93 0 0 0 0 110 0 0 422 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 28 | Rosecrans Street / Pacific Highway | Airport | | 4 | 13 | 0 | 3 | | 1 | | 0 | 12 | 2 | | 38 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 100 119 0 93 0 0 0 0 110 0 0 422 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 20 | Pagagrang Ctrack / Nimite Device- | | | | | | | | | | | | | | |
| | ∠9 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | Causes I II | 2 2007 | Dackground | 23 | 100 | 25 | _ ′ | ٥ | _ ′ | 212 | 000 | 21 | 10 | 509 | 40 | 1,077 |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl ebt

Table D-70 2030 Intersection Turning Volumes - AM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| North Harbor Diner / Histor Edward Diner September | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|--------------|--|------------|-----|-----|-----|-----|-----|----------|-----|-----|-----|----------|-----|-------|----------|
| Month Harbor Driver / Ministre Ethod Agreett 0 0 0 0 0 0 0 0 0 | 111t TT | | Total | | | | | | | | | | | | | |
| North Harbor Drive MocCain St. August Col. 0 0 0 0 0 0 0 0 0 | 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 340 | 0 | 0 | 0 | 48 | 0 | 0 | 38 | 275 | 701 |
| Appendix | | | | | | | | | | | | | | | | |
| Besterours | • | Nedb Heder B. (M.O.) O | | | | | | | | | | | | | | |
| North Harbor Drive / Spanish Landrig | 2 | NORTH Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Sent Hethor Drive / Hethor Island Prive Apparent 2 | | | | | | | | | | | | | | | | |
| ## North Harbor Driver / Harbor Issand Drive ## Designation | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Hebro Drive / Habro Island Drive Airport 14, 0, 40, 19 13, 107 115, 177, 24, 64, 779, 0, 1, 349 | | · | | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 684 | 7 | 21 | | 0 | 2,338 |
| Beskground 33 | | | | | | | | | | | | | | | | |
| North Narther Chrise / Wreship Lane Total C | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Habro Chine / Weship Law | | | | | | | | | | | | | | | | |
| Besignord 0 0 0 0 0 0 0 0 0 | 5 | North Harbor Drive / Winshin Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road | 0 | North Harbor Brive? Williship Earle | | | | | | | | | | | | | | |
| Sheston / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Sheration / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheration Hambor Island Drive Background 3 62 0 0 179 69 68 68 67 72 0 0 0 172 | | | | | | | | | | | | | | | | |
| Bandpround 33 82 0 0 177 90 85 62 70 0 0 0 477 178 188 1 | 7 | Charatan / Harbar Jaland Drive | | | | | | | | | | | | | | |
| Bendy Find | / | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bergoprod Person | | | | | | | | | | | | | | | | |
| Sassafras Steet / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Arport 95 94 0 0 0 122 13 17 992 67 0 184 0 664 | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | 0 | | | | | | | | | | 0 | |
| Beactycound California | | | Total | | | | | | | 7 | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 0 77 0 3 498 1,384 0 0 2,393 49 4,343 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drivo | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurer Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthom Street / North Harbor Drive | | | | | | | | | | | | | | | | |
| Background 0 76 0 0 483 0 0 0 0 116 0 2,000 2,655 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 288 15 611 322 0 0 0 0 0 0 0 0 799 | | | Background | 0 | 76 | 0 | 0 | 463 | | 0 | 0 | 0 | 116 | 0 | 2,000 | 2,655 |
| Background 0 9 96 412 283 0 0 0 0 0 0 0 0 799 | | | | | | | | | | | | | | | | |
| Total April Apri | 12 | Grape Street / North Harbor Drive | | | | | | | | | | _ | | | | |
| Aliport O 76 Z1 6 S3 120 105 372 O 4 444 8 1,209 | | | | | | | | | | | | | | | | |
| Background 42 333 104 66 203 224 9 157 1 79 554 94 1,665 1054 157 1 79 554 94 1,665 1054 157 1 79 554 94 1,665 1054 157 1 79 157 1 79 1564 137 3,884 137 3,884 137 3,884 137 1384 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 10 | Education officer / Full deline Finghway | | | | | | | | | | | | | | |
| Background 0 190 0 0 197 67 0 0 0 78 197 123 2.89.2 | | | | | | 0 | | | | | | 0 | | | 137 | |
| Total | 14 | Hawthorn Street / Pacific Highway | Airport | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background 0 | 15 | Crops Street / Desifie Highway | | | | | | | | | | | | | | |
| Total 10 0 0 0 354 469 697 0 931 75 65 377 0 2.986 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 0 0 0 34 499 356 0 532 75 58 263 0 2,093 | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 7 0 0 0 0 0 | | | | 0 | 0 | 0 | 340 | 469 | 356 | 0 | 532 | 75 | 58 | 263 | 0 | 2,093 |
| Background | | | | | | | | | | | | | | | | |
| Total Q | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 18 | Grane Street / Kettner Roulevard | | | | | | | | | | | | | | |
| Total 206 272 233 0 0 0 0 0 44 457 1,266 0 0 0 0 0 2,478 | 10 | Grape Gireet / Nettrier Bodievard | | | | | | | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 44 453 709 0 0 0 0 561 | | | | | | | | | | | | | | | | |
| Name | 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | | | 0 | 0 | 0 | 0 | | 557 | 0 | 0 | 0 | 561 |
| Hawthorn Street / I-5 Northbound Off-Ramp Background 6.2 59 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background G2 59 0 0 0 0 0 0 0 0 0 | 20 | Houthorn Street / LE North and Off Da | | | | | | | | | | _ | | | | |
| Laurel Street / India Street Airport 70 98 16 0 0 0 616 517 95 1 341 310 2,101 | ∠0 | nawthorn Street / I-S Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport Facilitation Airport Facilitation | | | | | | | | | | | | | | | | |
| Background Street Methrer Boulevard Sassafras Street Kettner Boulevard Airport O O O O O O O O O | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O O 242 2,043 639 O 244 19 114 46 O 3,127 | | | Total | | | 0 | | | | | | | | | | |
| Sassafras Street / India Street Airport Airport Sassafras Street / India Street Airport Airport Sassafras Street / India Street Airport Airport Sackground 157 691 13 0 0 0 0 0 0 0 0 0 | 22 | Sassafras Street / Kettner Boulevard | Airport | _ | | | | | 60 | _ | 29 | | | 61 | _ | 535 |
| Sassafras Street / India Street | | | | | | | | | | | | | | | | |
| Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | 22 | Saccafrae Street / India Street | | | | | | | | | | | | | | |
| Vashington Street / Pacific Highway SB-Ramps Total 0 0 0 0 0 111 0 76 29 91 69 0 266 | 23 | Sassairas Sueet / Illuia Sueet | | | | | | | | | | | | | | |
| Washington Street / Pacific Highway SB-Ramps Airport 0 0 0 0 0 1 0 76 29 91 69 0 266 | | | | | | | | | | | | | | | | |
| Background O O O O St1 90 146 O 39 28 82 128 O 1,024 | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | |
| Airport 19 0 70 0 0 0 1 0 75 141 0 0 306 | | | Background | 0 | 0 | 0 | 511 | 90 | 146 | 0 | 39 | 28 | 82 | 128 | 0 | 1,024 |
| Background O O O O 24 6 17 22 O 202 176 111 36 594 | | | | | | | | | | | | | | | | |
| Total 0 260 106 312 407 0 208 97 95 0 0 0 0 1,485 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Airport O 110 36 2 118 O O 0 24 O O O 290 | | | Background | | | | | | | | | | | | | |
| Background O 150 70 310 289 O 208 97 71 O O O 0 1,195 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 113 584 0 0 681 665 0 0 0 277 313 12 2.645 | 20 | Washington Orest / Handock Street | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue Airport 35 74 0 0 95 0 0 0 0 24 0 1 229 | | | | | | | | | | | | | | | | |
| Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2,416 7 total 207 155 230 144 209 88 61 176 143 312 154 88 1,967 Airport 0 3 10 0 3 1 1 3 0 12 4 0 37 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 7 total 20 157 178 39 169 41 107 461 20 216 514 32 1,954 RosecransStreet / Nimitz Boulevard 4 Airport 0 174 171 0 129 0 0 0 0 0 211 0 0 615 Background 20 53 7 39 40 41 107 461 20 5 5 514 32 1,339 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 3 1 1 1 3 0 12 4 0 37 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 29 RosecransStreet / Nimitz Boulevard Airport 0 104 171 0 129 0 0 0 0 0 211 0 0 615 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | Background | 78 | | | 0 | | | | | | | | | 2,416 |
| Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 20 157 178 39 169 41 107 461 20 216 514 32 1,954 Property of the propert | | | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 104 171 0 129 0 0 0 0 211 0 0 615 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | | | | | | | | | | | | | | |
| Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | | | | | | | | | | | | | | |
| | | 1.0000 and 0.0007 Milling Douldvard | | | | | | | | | | | | | | |
| | Source: HNTF | 3, 2007 | | | | | | | <u> </u> | | | | <u> </u> | | | .,,,,,,, |

[|] Source: HNTB, 2007
| Note: | (1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp. | 19 | Grape Street / I-5 Southbound On-Ramp | nbt | nbr | nbr2 | ebl | ebt | 25 | Washington Street / Pacific Highway NB-Ramps | nbI+nbI2 | nbt | nbr | sbI | sbr2 | sbr | ebI2 | ebI

ebt

Table D-71 2030 Intersection Turning Volumes – PM Peak Hour - Proposed Airport Implementation Plan (Without Parking Structure)

| Int# | | 1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|------|--|-----------------------|-----------|--------------|------------|------------|----------------|------------|------------|----------------|-----------|------------|----------------|------------|----------------|
| | | Total | 0 | 0 | 0 | 687 | 0 | 75 | 52 | 807 | 0 | 23 | 934 | 1,240 | 3,818 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport Background | 0 | 0 | 0 | 276 411 | 0 | 75 | 0 52 | 40 767 | 0 | 23 | 45 889 | 296 944 | 657 3,161 |
| | | Total | 0 | 0 | 0 | 582 | 0 | 339 | 48 | 1,265 | 0 | 0 | 1,176 | 125 | 3,535 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 101 | 0 | 136 | 12 | 304 | 0 | 0 | 205 | 53 | 811 |
| | | Background | 7 | 0 | 0 | 481 | 0 | 203 | 36 | 961 | 0 | 0 | 971 | 72 | 2,724 |
| 3 | North Harbor Drive / Spanish Landing | Total Airport | 0 | 0 | 25 0 | 80 80 | 0 | 19 19 | 130 130 | 2,170 276 | 28 0 | 7 | 1,347 239 | 0 | 3,813 744 |
| · · | North Harbor Brive / Opariish Earlaing | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,894 | 28 | 7 | 1,108 | 0 | 3,069 |
| | | Total | 168 | 5 | 347 | 21 | 12 | 102 | 96 | 2,022 | 157 | 525 | 1,641 | 0 | 5,096 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 16 | 5 | 53 | 21 | 12 | 102 | 96 | 237 | 22 | 56 | 677 | 0 | 1,297 |
| | | Background Total | 152 0 | 0 | 294 0 | 0 135 | 0 | 0 276 | 0 74 | 1,785 2,316 | 135 0 | 469 0 | 964 2,537 | 0 311 | 3,799 5,649 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 135 | 0 | 276 | 74 | 237 | 0 | 0 | 1,104 | 311 | 2,137 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| _ | | Total | 114 | 0 | 115 | 21 | 0 | 17 | 15 | 3,450 | 114 | 119 | 2,718 | 14 | 6,697 |
| 6 | North Harbor Drive / Rental Car Road | Airport Background | 114 0 | 0 | 115 0 | 21 0 | 0 | 17 0 | 15 0 | 1,371 2,079 | 114 0 | 119 0 | 1,285 1,433 | 14 0 | 3,185 3,512 |
| | | Total | 23 | 443 | 0 | 0 | 624 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,264 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 74 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 |
| | | Background | 23 | 369 | 0 | 0 | 534 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,100 |
| 8 | Employee Lot / Harbor Island Drive | Total Airport | 0 | 0 | 0 | 0 | 0 | 55 55 | 68 68 | 105 22 | 0 | 0 | 137 19 | 1 | 366 165 |
| 0 | Employee Lot / Harbor Island Drive | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 118 | 0 | 201 |
| | | Total | 87 | 842 | 328 | 105 | 841 | 11 | 17 | 239 | 120 | 110 | 156 | 29 | 2,885 |
| 9 | Sassafras Street / Pacific Highway | Airport | 87 | 114 | 0 | 0 | 102 | 11 | 17 | 239 | 120 | 0 | 156 | 0 | 846 |
| | | Background Total | 0 | 728 0 | 328 0 | 105 49 | 739 0 | 7 | 0 1,250 | 0 2,236 | 0 | 110 0 | 0 2,059 | 29 126 | 2,039 5,727 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 523 | 985 | 0 | 0 | 918 | 0 | 2,426 |
| | | Background | 0 | 0 | 0 | 49 | 0 | 7 | 727 | 1,251 | 0 | 0 | 1,141 | 126 | 3,301 |
| | | Total | 0 | 669 | 0 | 0 | 2,603 | 0 | 0 | 0 | 0 | 218 | 0 | 1,568 | 5,058 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 234 | 0 | 0 | 985 | 0 | 0 | 0 | 0 | 19 | 0 | 684 | 1,922 |
| | | Background Total | 0 | 435 658 | 0 256 | 0 1,371 | 1,618 1,248 | 0 | 0 | 0 | 0 | 199 0 | 0 | 884 0 | 3,136 3,533 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 234 | 21 | 657 | 347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,259 |
| | | Background | 0 | 424 | 235 | 714 | 901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,274 |
| 40 | Laural Charat / Danifia Hilahaaa | Total | 135 | 759 | 191 | 123 | 454 99 | 359 | 381 | 657 | 40 | 94 | 1,206 | 130 | 4,529 |
| 13 | Laurel Street / Pacific Highway | Airport Background | 0 135 | 78 681 | 15 176 | 10 113 | 355 | 113 246 | 115 266 | 408 249 | 0 40 | 86 | 386 820 | 8 122 | 1,240 3,289 |
| | | Total | 170 | 747 | 0 | 0 | 695 | 72 | 0 | 0 | 0 | 214 | 1,477 | 129 | 3,504 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 128 | 83 | 0 | 0 | 88 | 19 | 0 | 0 | 0 | 0 | 556 | 10 | 884 |
| | | Background | 42 | 664 | 0 | 0 | 607 | 53 | 0 | 0 | 0 | 214 | 921 | 119 | 2,620 |
| 15 | Grape Street / Pacific Highway | Total Airport | 0 | 804 191 | 512 0 | 290 1 | 677 87 | 0 | 84 21 | 2,264 608 | 49 49 | 0 | 0 | 0 | 4,680 957 |
| | Grapo Grock Fragilita | Background | 0 | 613 | 512 | 289 | 590 | 0 | 63 | 1,656 | 0 | 0 | 0 | 0 | 3,723 |
| | | Total | 0 | 0 | 0 | 421 | 877 | 769 | 0 | 1,334 | 133 | 98 | 460 | 0 | 4,092 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 10 | 0 877 | 277 | 0 | 433 | 0 133 | 16 | 125 | 0 | 861 |
| | | Background Total | 0 | 0 | 0 | 411 0 | 656 | 492 115 | 0 | 901 | 0 | 82 266 | 335 1,925 | 0 | 3,231 2,962 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 566 | 0 | 582 |
| | | Background | 0 | 0 | 0 | 0 | 640 | 115 | 0 | 0 | 0 | 266 | 1,359 | 0 | 2,380 |
| 40 | Ones Otrest / Ketters Bankered | Total | 0 | 0 | 0 | 336 | 711 | 0 | 0 | 3,810 | 106 | 0 | 0 | 0 | 4,963 |
| 18 | Grape Street / Kettner Boulevard | Airport Background | 0 | 0 | 0 | 14 322 | 709 | 0 | 0 | 597 3,213 | 12 94 | 0 | 0 | 0 | 625 4,338 |
| | | Total | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 564 | 2,345 | 0 | 0 | 0 | 4,420 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 607 | 0 | 0 | 0 | 611 |
| | | Background | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 560 | 1,738 | 0 | 0 | 0 | 3,809 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total Airport | 50 0 | 78 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,900 562 | 74 0 | 2,102 562 |
| 20 | Hawatom Gueet / 1-5 Northbound Off-Namp | Background | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,338 | 74 | 1,540 |
| | | Total | 134 | 258 | 73 | 0 | 0 | 0 | 893 | 749 | 97 | 1 | 430 | 425 | 3,060 |
| 21 | Laurel Street / India Street | Airport | 97 | 15 | 1 | 0 | 0 | 0 | 297 | 48 | 97 | 1 | 43 | 0 | 599 |
| | | Background Total | 37 0 | 243 | 72 0 | 0 399 | 0 3,503 | 0 539 | 596 0 | 701 200 | 0 117 | 0 80 | 387 106 | 425 0 | 2,461 4,944 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 287 | 55 | 0 | 84 | 85 | 0 | 55 | 0 | 566 |
| | | Background | 0 | 0 | 0 | 399 | 3,216 | 484 | 0 | 116 | 32 | 80 | 51 | 0 | 4,378 |
| 0.7 | 0 (0 ::: :: :: :: | Total | 233 | 1,641 | 39 | 0 | 0 | 0 | 320 | 57 | 104 | 0 | 18 | 22 | 2,434 |
| 23 | Sassafras Street / India Street | Airport | 78 155 | 312 1,329 | 0 39 | 0 | 0 | 0 | 119 201 | 0 57 | 0 104 | 0 | 0 18 | 0 22 | 509 1,925 |
| | | Background Total | 0 | 0 | 0 | 1,347 | 134 | 28 | 0 | 286 | 72 | 220 | 155 | 0 | 2,242 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 | 27 | 74 | 121 | 0 | 293 |
| | ' | Background | 0 | 0 | 0 | 1,347 | 134 | 27 | 0 | 216 | 45 | 146 | 34 | 0 | 1,949 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total | 33 | 0 | 84 | 52 | 51 | 6 | 56 | 14 | 635 | 348 | 160 | 45 | 1,484 |
| 25 | vv asmington Street / Pacific Highway NB-Ramps (1) | Airport Background | 33 0 | 0 | 84 0 | 0 52 | 0 51 | 6 | 1 55 | 0 14 | 70 565 | 162 186 | 0 160 | 0 45 | 350 1,134 |
| | | Total | 0 | 566 | 144 | 333 | 420 | 0 | 326 | 194 | 122 | 0 | 0 | 0 | 2,105 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 120 | 33 | 1 | 121 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 316 |
| | | Background | 0 | 446 | 111 | 332 | 299 | 0 | 326 | 194 | 81 | 0 | 0 | 0 | 1,789 |
| 27 | Washington Street / San Diego Avenue | Total Airport | 202 33 | 1,141 88 | 0 | 0 | 721 80 | 607 0 | 0 | 0 | 0 | 300 41 | 423 0 | 28 2 | 3,422 244 |
| | | Background | 169 | 1,053 | 0 | 0 | 641 | 607 | 0 | 0 | 0 | 259 | 423 | 26 | 3,178 |
| | | Total | 364 | 297 | 661 | 174 | 201 | 98 | 113 | 464 | 171 | 257 | 315 | 133 | 3,248 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 12 | 0 | 3 | 1 | 1 | 4 | 0 | 11 | 3 | 0 | 38 |
| | | Background Total | 364 | 294 258 | 649 208 | 174 | 198 140 | 97 31 | 112 239 | 460 586 | 171 24 | 246 | 312 | 133 | 3,210 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 23 0 | 112 | 183 | 31 0 | 105 | 0 | 0 | 0 | 0 | 243 171 | 528 0 | 43 0 | 2,354 571 |
| | | Background | 23 | 146 | 25 | 31 | 35 | 31 | 239 | 586 | 24 | 72 | 528 | 43 | 1,783 |
| | | | | | | | | | | | | | | | |

Washington Street / Pacific Highway NB-Ramps nbt

Table D-72
2010-2030 Peak Hour Intersection Operations – Implementation Plan (Without Structure)

| | | | Year | 2010 | Year | 2015 | Year | 2020 | Year | 2025 | Year | 2030 |
|--------------|----------------------------------|------|--------|------|--------------|------|--------------|------|-------|------|--------------|------|
| Intersection | Intersection | Peak | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS |
| Number | | Hour | (Sec.) | | (Sec.) | | (SEC) | | (SEC) | | (Sec.) | |
| 1 | North Harbor Drive/ | AM | 20.2 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.8 | С |
| | Nimitz Boulevard | PM | 20.7 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.7 | С |
| 2 | North Harbor Drive/ | AM | 8.4 | Α | 9.2 | Α | 9.5 | Α | 9.9 | Α | 10.7 | В |
| | McCain Road | PM | 9.9 | Α | 10.8 | В | 11.1 | В | 11.3 | В | 11.9 | В |
| 3 | North Harbor Drive/ | AM | 7.8 | Α | 8.1 | Α | 8.2 | Α | 8.4 | Α | 9.4 | Α |
| | Spanish Landing | PM | 7.2 | Α | 7.4 | Α | 7.6 | Α | 7.6 | Α | 8.0 | Α |
| 4 | North Harbor Drive/ | AM | 19.7 | В | 19.5 | В | 19.6 | В | 19.5 | В | 20.3 | С |
| | Harbor Island Drive | PM | 30.5 | С | 31.0 | С | 32.3 | С | 32.9 | С | 34.6 | С |
| 5 | North Harbor Drive/ | AM | 9.5 | Α | 10.0 | Α | 10.4 | В | 10.5 | В | 11.1 | В |
| | Winship Lane | PM | 9.2 | Α | 9.7 | Α | 10.0 | Α | 10.3 | В | 10.6 | В |
| 6 | North Harbor Drive/ | AM | 6.7 | Α | 7.5 | Α | 8.2 | Α | 9.0 | Α | 9.5 | Α |
| | Rental Car Road | PM | 7.6 | Α | 8.5 | Α | 9.2 | Α | 9.7 | Α | 10.5 | В |
| 7 | Sheraton | AM | 12.4 | В | 12.3 | В | 12.0 | В | 11.7 | В | 11.6 | В |
| | Harbor Island Drive | PM | 7.6 | Α | 7.4 | Α | 7.2 | Α | 7.0 | Α | 6.9 | Α |
| 8 | Employee Lot | AM | 9.8 | Α | 9.9 | Α | 9.9 | Α | 9.9 | Α | 9.9 | Α |
| | Harbor Island Drive | PM | 10.1 | В | 10.1 | В | 10.2 | В | 10.2 | В | 10.2 | В |
| 9 | Sassafras Street/ | AM | 15.3 | В | 15.5 | В | 15.2 | В | 15.7 | В | 14.1 | В |
| | Pacific Highway | PM | 14.8 | В | 17.4 | В | 17.2 | В | 19.8 | В | 14.8 | В |
| 10 | Laurel Street/ | AM | 9.1 | Α | 10.0 | Α | 10.7 | В | 11.4 | В | 10.9 | В |
| | North Harbor Drive | PM | 15.4 | В | 16.2 | В | 18.6 | В | 19.5 | В | 20.1 | С |
| 11 | Hawthorn Street/ | AM | 31.5 | С | 48.4 | D | 111.6 | F | 133.4 | F | 179.9 | F |
| | North Harbor Drive | PM | 23.1 | С | 25.0 | С | 33.4 | С | 41.3 | D | 60.5 | E |
| 12 | Grape Street/ | AM | 8.2 | Α | 8.4 | Α | 8.3 | Α | 8.3 | Α | 8.4 | Α |
| | North Harbor Drive | PM | 10.9 | В | 11.0 | В | 10.7 | В | 11.0 | В | 11.0 | В |
| 13 | Laurel Street/ | AM | 32.1 | С | 33.7 | С | 33.9 | С | 34.5 | С | 34.0 | С |
| | Pacific Highway | PM | 48.9 | D | 62.2 | Е | 59.3 | E | 53.3 | D | 61.7 | E |
| 14 | Hawthorn Street/ | AM | 12.6 | В | 14.3 | В | 15.9 | В | 18.0 | В | 19.6 | В |
| | Pacific Highway | PM | 21.0 | С | 22.0 | С | 22.9 | С | 23.9 | С | 23.5 | С |
| 15 | Grape Street/ | AM | 18.5 | В | 19.0 | В | 19.9 | В | 20.3 | С | 20.3 | C |
| | Pacific Highway | PM | 26.1 | С | 32.7 | С | 53.0 | D | 68.9 | E | 57.6 | E |
| 16 | Laurel Street/ | AM | 18.8 | В | 19.5 | В | 19.6 | В | 19.9 | В | 22.0 | С |
| | Kettner Boulevard | PM | 21.3 | С | 22.8 | С | 25.6 | C | 24.7 | С | 32.5 | С |
| 17 | Hawthorn Street/ | AM | 5.5 | A | 6.2 | A | 10.3 | В | 9.6 | A | 13.3 | В |
| | Kettner Boulevard | PM | 10.9 | В | 11.2 | В | 15.5 | В | 13.8 | В | 14.2 | В |
| 18 | Grape Street/ | AM | 12.4 | В | 13.1 | В | 14.8 | В | 14.2 | В | 14.8 | В |
| | Kettner Boulevard | PM | 16.7 | В | 22.6 | С | 55.1 | E | 54.4 | D | 79.0 | E |
| 19 | Grape Street/ | AM | 11.1 | В | 10.8 | В | 11.5 | В | 11.6 | В | 15.3 | В |
| .0 | I-5 Southbound On-Ramp | PM | 28.3 | C | 34.6 | c | 32.6 | C | 38.7 | D | 124.0 | F |
| 20 | Hawthorn Street/ | AM | 11.0 | В | 10.6 | В | 10.8 | В | 11.0 | В | 15.8 | В |
| 20 | I-5 Northbound Off-Ramp | PM | 11.8 | В | 12.0 | В | 12.1 | В | 11.5 | В | 11.1 | В |
| 21 | Laurel Street/ | AM | 18.4 | В | 19.3 | В | 22.5 | C | 22.8 | C | 23.2 | C |
| | India Street | PM | 21.3 | C | 22.9 | c | 22.0 | Ċ | 22.4 | c | 32.5 | c |
| 22 | Sassafras Street/ | AM | 8.5 | A | 9.5 | A | 19.3 | В | 12.0 | В | 9.8 | A |
| | Kettner Boulevard | PM | 11.5 | В | 13.1 | В | 123.1 | F | 84.8 | F | 66.8 | E |
| 23 | Sassafras Street/ | AM | 8.2 | A | 8.3 | A | 8.8 | A | 9.1 | A | 8.1 | Ā |
| 20 | India Street | PM | 13.7 | В | 17.8 | В | 15.6 | В | 16.1 | В | 17.6 | В |
| 24 | Washington Street/ | AM | 12.6 | В | 12.7 | В | 13.0 | В | 12.8 | В | 12.5 | В |
| 27 | Pacific Highway SB-Ramps | PM | 14.9 | В | 15.1 | В | 15.3 | В | 15.5 | В | 17.6 | В |
| 25 | Washington Street/ | AM | 33.5 | C | 46.7 | D | 56.3 | E | 60.5 | E | 31.5 | C |
| 20 | Pacific Highway NB-Ramps | PM | 68.5 | E | 100.5 | F | 130.5 | F | 156.8 | F | 79.8 | E |
| 26 | Washington Street/ | AM | 27.8 | C | 28.1 | C | 28.7 | C | 28.8 | C | 25.9 | C |
| 20 | Hancock Street | PM | 30.2 | C | 30.8 | C | 32.4 | C | 32.7 | C | 28.0 | C |
| 27 | Washington Street/ | AM | 12.5 | В | 13.1 | В | 12.7 | В | 12.5 | В | 14.9 | В |
| 21 | San Diego Avenue | PM | 13.6 | В | 14.1 | В | 14.1 | В | 14.0 | В | 16.8 | В |
| 28 | Rosecrans Street/ | AM | 36.1 | D | 36.4 | D | 36.1 | D | 36.2 | D D | 37.3 | D D |
| ∠6 | | PM | 39.1 | D | 36.4 44.8 | D | 36.1 41.3 | D | 41.9 | D | 43.0 | D |
| 20 | Pacific Highway RosecransStreet/ | AM | 21.8 | С | 21.7 | С | 41.3 24.3 | С | 23.7 | С | 43.0 27.0 | С |
| 29 | | | | | | | | | | | | |
| | Nimitz Boulevard | PM | 25.0 | С | 25.2 | С | 26.7 | С | 26.5 | С | 29.1 | С |

LOS = level of service

Table D-73

2010-2030 Intersection Impacts – Proposed Airport Implementation Plan (Without Parking Structure)

| Intersection Intersection Peak No Peak Def. No Peak De | | | | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
|--|--------------|-------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|
| North Harbor Driver All 20 | Intersection | Intersection | Peak | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. |
| North Harbor Driver AM 202 202 00 204 203 -0.1 20.9 20.9 0.0 21.1 21.1 0.0 21.7 21.8 0.0 21.8 21.7 21.8 0.0 21.8 21.7 21.8 0.0 21.8 21.8 21.8 21.8 21.8 21.8 21.8 21.8 21.8 21.8 | Number | | Hour | Dalay (Saa) | Dalay (Saa) | Deley (See) | Delay (Can) | Dalay (Saa) | Dalau (Caa) | Delay (Can) | Dalay (Saa) | Deley (See) | Dalay (Saa) | Dalau (Saa) | Dalau (Caa) | Dalau (Caa) | Dalau (Saa) | Deleu (Cas) |
| No. | 1 | North Harbor Drive/ | AM | | | | | | | | | | | | | | | |
| 2 Northetero Driver ANI 67 | | | | | 1 | | | | | | | | | | | | | 0.1 |
| 3 North-Harbor Driver AM 101 7,8 23 109 8,1 2,8 112 82 3.0 117 8,4 3.3 131 94 337 4 North-Harbor Driver AM 204 197 0.7 204 195 0.9 209 196 -1.3 208 196 -1.3 219 203 3.1 4 North-Harbor Driver AM 204 197 0.7 204 195 0.9 209 196 -1.3 208 196 -1.3 219 203 3.1 5 Withhold Same PM 308 308 30.3 31.4 31.0 4.0 4.228 22.3 23.3 32.2 4.0 3.49 34.6 4.6 5 Withhold Lane PM 96 92 0.4 103 97 -0.6 104 100 -0.4 100 103 -0.3 107 10.6 0.0 6 North-Harbor Driver AM 2.7 6.7 6.7 0.0 7.5 7.5 0.0 8.2 8.2 0.0 6.8 8.0 0.2 9.0 9.5 5.0 7 Sharation AM 124 124 0.0 123 123 0.0 120 120 0.0 118 117 0.0 1.15 105 0.0 7 Harbor Instance PM 7.8 7.8 0.0 7.2 7.4 0.0 2.2 2.2 0.0 0.6 8.7 0.0 0.6 8.8 8.0 0.2 0.0 0.6 8.8 0.0 | 2 | | AM | | | | | | | | | | | | | | | 3.1 |
| Spanish Landing | | McCain Road | PM | 9.1 | 9.9 | -0.8 | 9.9 | 10.8 | 0.9 | 10.2 | 11.1 | 0.9 | 10.3 | 11.3 | 1.0 | 10.3 | 11.9 | 1.6 |
| 4 North Harbor Driver AM 20.4 19.7 0.7 20.4 10.5 -0.9 20.9 10.6 1.3 20.8 19.5 1.3 21.9 20.3 11.5 | 3 | North Harbor Drive/ | AM | 10.1 | 7.8 | 2.3 | 10.9 | 8.1 | -2.8 | 11.2 | 8.2 | -3.0 | 11.7 | 8.4 | -3.3 | 13.1 | 9.4 | -3.7 |
| Hustor Ishard Drive | | | | | | | | | | | | | | | | | | -3.2 |
| S | 4 | | | | | | | | | | | | | | - | - | | -1.6 |
| Winship Lane PM 9.6 9.2 0.4 10.3 9.7 -0.6 10.4 10.0 -0.4 10.0 10.3 -0.3 10.7 10.6 0.5 | | | | | | | | | | | | | | | | | | -0.3 |
| 6 North Harbor Driver AM 67 6 76 00 75 75 75 00 82 82 82 00 88 90 02 90 90 95 75 78 8 66 8 8 90 00 92 90 97 11 100 95 95 95 95 8 96 8 97 90 95 9 | 5 | | | | | | | | | | | | | | | | | |
| Rental Car Road | | | | | | | | | | | | | | | | | | |
| The Part | 6 | | | | | | | | | | | | | | | | | |
| Harbor Island Drive | | | | | | | | | | | | | | | | | | |
| B Employee Lot MM 98 98 00 99 99 00 99 99 00 99 99 00 0 99 99 9 | / | | | | | | | | | | | | | | | | | |
| Harbor Island Drive | | | | | | | | | | | | | | | | | | |
| 9 Sassafra Street/ AM 153 153 0.0 154 155 0.1 151 152 0.1 156 157 0.1 140 14.1 0.1 10 Pacific Highway PM 14.5 14.8 0.3 16.6 17.4 0.8 16.5 17.2 0.7 13.5 19.8 1.3 14.1 14.8 0.7 10 Laurel Street/ AM 9.2 9.1 0.1 10.1 10.0 0.1 10.8 10.7 0.1 11.3 11.4 0.1 10.5 10.9 0.0 11 North Harbor Drive PM 15.5 15.4 0.1 10.3 16.2 0.1 18.3 16.2 0.1 13.3 11.4 0.1 10.5 10.9 0.0 11 North Harbor Drive PM 23.2 23.1 0.1 25.2 25.0 0.2 23.7 3.3 40.0 11.3 11.4 0.1 10.5 10.9 10.5 11.8 North Harbor Drive PM 23.2 23.1 0.1 25.2 25.0 0.2 23.7 0.0 23.3 3.4 0.0 40.7 41.3 0.6 55.9 60.5 4.6 12 Grape Street/ AM 5.2 8.2 0.0 8.4 8.4 0.0 8.3 8.3 0.0 8.4 8.3 0.1 13.0 17.9 16.0 1.3 11.1 11.0 1.0 0.0 11.0 11.0 11.0 | 8 | | | | | | | | | | | | | | | | | |
| Padiic Highway PM | - 0 | | | | | | | | | | | | | | | | | |
| 10 | 9 | | | | | | | | | | | | | | | - | 1 | |
| North Harbor Drive PM 15.5 15.4 0.1 16.3 16.2 -0.1 18.7 18.6 -0.1 19.3 19.5 0.2 19.4 20.1 0.7 | 10 | | | | | | | | | | | | | | | | | 0.4 |
| 11 | 10 | | | - | 1 | | | | | | | | - | | | | | |
| 12 Graps Street | 11 | | | | | | | | | | | | | | | | | 6.9 |
| North Harbor Drive | | | | | | | | | | | | | 40.7 | | 0.6 | | | 4.6 |
| 13 Laurel Street | 12 | Grape Street/ | AM | 8.2 | 8.2 | 0.0 | 8.4 | 8.4 | 0.0 | 8.3 | 8.3 | 0.0 | 8.4 | 8.3 | -0.1 | 8.3 | 8.4 | 0.1 |
| Pacific Highway PM 49.0 49.9 0.1 62.4 62.2 0.0 25.5 59.3 -0.2 53.1 53.3 0.2 60.4 61.7 13.1 | | North Harbor Drive | PM | 10.9 | 10.9 | 0.0 | 11.0 | 11.0 | 0.0 | 10.7 | 10.7 | 0.0 | 11.0 | 11.0 | 0.0 | 10.9 | 11.0 | 0.1 |
| Hawthom Street | 13 | Laurel Street/ | AM | 32.1 | 32.1 | 0.0 | 33.7 | 33.7 | 0.0 | 33.9 | 33.9 | 0.0 | 34.4 | 34.5 | 0.1 | 33.7 | 34.0 | 0.3 |
| Pacific Highway PM 21.0 21.0 0.0 22.0 22.0 0.0 22.9 22.9 0.0 23.8 23.9 0.1 23.3 23.5 0.2 | | Pacific Highway | | | | | | | | | | | | | | | | 1.3 |
| 15 Grape Street AM 18.5 18.5 0.0 19.0 19.0 0.0 19.9 19.9 0.0 20.3 20.3 20.3 20.3 20.5 | 14 | | | | | | | | | | | | | | | | | 0.7 |
| Pacific Highway PM 26.2 26.1 0.1 32.8 32.7 0.1 53.1 53.0 0.1 88.6 68.9 0.3 56.5 57.6 1.1 | | | | | | | | | | | | | | | | | | 0.2 |
| 16 Laurel Street' AM 18.9 18.8 0.1 19.6 19.5 0.1 19.8 19.6 0.0 19.9 19.9 0.0 21.9 22.0 0.1 | 15 | | | | | | | | | | | | | | | | | |
| Kethner Boulevard PM 21.4 21.3 0.1 22.9 22.8 -0.1 25.9 25.6 -0.3 24.8 24.7 -0.1 31.9 32.5 0.6 | | | | | | | | | | | | | | | | | | |
| 17 Hawthorn Street/ AM 5.5 5.5 0.0 6.2 6.2 0.0 10.3 10.3 0.0 9.6 9.6 0.0 13.0 13.3 0.3 | 16 | | | | | | | | | | | | | | | - | | |
| Rettner Boulevard PM 10.9 10.9 0.0 11.3 11.2 -0.1 15.6 15.5 -0.1 13.9 13.8 -0.1 14.2 14.2 0.0 14.8 14.8 0.0 14.8 | 47 | | | | | | | | | | | | | | | | | |
| 18 Grape Street/ | 17 | | | | | | - | | | | | | | | | | | |
| Rettner Boulevard | 10 | | | | | | | | | | | | | | | | | |
| 19 Grape Street/ | 10 | ' | | | | | | | | | | | | | | | | |
| I-5 Southbound On-Ramp | 19 | | | | | | | | | | | | | | | | | 0.2 |
| 20 | 10 | ' | | | | | | | | | | | - | | | _ | | 36.9 |
| 21 Laurel Street/ AM 18.5 18.4 0.1 19.4 19.3 -0.1 22.6 22.5 -0.1 22.9 22.8 -0.1 23.0 23.2 0.2 | 20 | | | | | | | | | | | | | | | | | 0.5 |
| India Street | | I-5 Northbound Off-Ramp | PM | 11.8 | 11.8 | 0.0 | 12.0 | 12.0 | 0.0 | 12.1 | 12.1 | 0.0 | 16.4 | 11.5 | -4.9 | 11.0 | 11.1 | 0.1 |
| 22 Sassafras Street/ AM 8.3 8.5 -0.2 9.2 9.5 0.3 19.4 19.3 -0.1 11.9 12.0 0.1 9.6 9.8 0.2 Kettner Boulevard PM 11.1 11.5 -0.4 12.5 13.1 0.6 121.5 123.1 1.6 82.1 84.8 2.7 62.5 66.8 4.3 23 Sassafras Street/ AM 8.1 8.2 -0.1 8.2 8.3 0.1 8.7 8.8 0.1 9.0 9.1 1.0 1.0 8.0 8.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | 21 | Laurel Street/ | AM | 18.5 | 18.4 | 0.1 | 19.4 | 19.3 | -0.1 | 22.6 | 22.5 | -0.1 | 22.9 | 22.8 | -0.1 | 23.0 | 23.2 | 0.2 |
| Rettner Boulevard PM 11.1 11.5 -0.4 12.5 13.1 0.6 121.5 123.1 1.6 82.1 84.8 2.7 62.5 66.8 4.3 | | India Street | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.9 | 0.0 | 22.1 | 22.0 | -0.1 | 26.8 | 22.4 | -4.4 | 32.4 | 32.5 | 0.1 |
| Sassafras Street/ | 22 | | | | | | | | | | | | | | | | | 0.2 |
| India Street PM 13.5 13.7 -0.2 17.3 17.8 0.5 15.3 15.6 0.3 15.7 16.1 0.4 16.6 17.6 1.0 | | | | | | | | | | | | | | 1 1 | | | | 4.3 |
| 24 Washington Street/ Pacific Highway SB-Ramps AM 12.6 12.6 0.0 12.7 12.7 0.0 13.0 13.0 0.0 12.8 12.8 0.0 12.4 12.5 0.1 25 Washington Street/ Pacific Highway NB-Ramps AM 33.5 35.5 0.0 46.7 46.7 0.0 56.0 56.3 0.3 59.8 60.5 0.7 31.1 31.5 0.4 Pacific Highway NB-Ramps PM 67.7 68.5 -0.8 107.8 100.5 -7.3 130.2 130.5 0.3 156.4 156.8 0.4 79.3 79.8 0.5 26 Washington Street/ Hancock Street AM 27.8 27.8 0.0 28.1 28.1 0.0 28.7 28.7 0.0 28.8 28.8 0.0 25.9 25.9 0.0 27 Washington Street/ Hancock Street AM 12.5 12.5 0.0 13.1 13.1 0.0 28.7 28.7 0.0 <t< td=""><td>23</td><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.1</td></t<> | 23 | | | - | | | - | | | | | | | | | | | 0.1 |
| Pacific Highway SB-Ramps PM 14.9 14.9 0.0 15.1 15.1 0.0 15.3 15.3 0.0 15.5 15.5 0.0 17.4 17.6 0.2 25 Washington Street/ AM 33.5 33.5 0.0 46.7 46.7 0.0 56.0 56.3 0.3 59.8 60.5 0.7 31.1 31.5 0.4 Pacific Highway NB-Ramps PM 67.7 68.5 -0.8 107. | | | | | | | | | | | | | | | | | | 1.0 |
| 25 Washington Street/ AM 33.5 33.5 0.0 46.7 46.7 0.0 56.0 56.3 0.3 59.8 60.5 0.7 31.1 31.5 0.4 Pacific Highway NB-Ramps PM 67.7 68.5 -0.8 107.8 100.5 -7.3 130.2 130.5 0.3 159.8 60.5 0.7 31.1 31.5 0.4 79.3 79.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | 24 | | | | | | | | | | | | | | | | l . | |
| Pacific Highway NB-Ramps PM 67.7 68.5 -0.8 107.8 100.5 -7.3 130.2 130.5 0.3 156.4 156.8 0.4 79.3 79.8 0.5 26 Washington Street/ AM 27.8 27.8 0.0 28.1 28.1 0.0 28.7 28.7 0.0 28.8 28.8 0.0 25.9 25.9 0.0 14.0 14.0 14.0 14.0 15.0 15.0 15.0 14.9 -0.1 28.8 28.8 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 | | | | | | | | | | | | | | | | | | |
| 26 Washington Street/ Hancock Street AM 27.8 27.8 0.0 28.1 28.1 0.0 28.7 28.7 0.0 28.8 28.8 0.0 25.9 25.9 0.0 27 Washington Street/ San Diego Avenue AM 12.5 12.5 0.0 13.1 13.1 0.0 12.7 12.7 0.0 12.5 12.5 0.0 14.9 -0.1 San Diego Avenue PM 13.6 13.6 0.0 14.1 14.1 0.0 14.1 14.1 0.0 14.0 14.0 0.0 16.8 16.8 0.0 28 Rosecrans Street/ Pacific Highway AM 36.1 36.1 0.0 36.4 36.4 0.0 36.1 36.2 36.2 0.0 37.3 37.3 0.0 Pacific Highway PM 39.1 39.1 0.0 44.8 44.8 0.0 41.3 41.9 0.0 42.9 43.0 0.1 29 RosecransStreet/ | 25 | | | | | | | | | | | | | | | - | | |
| Hancock Street PM 30.2 30.2 0.0 30.8 30.8 0.0 32.4 32.4 0.0 32.7 32.7 0.0 28.0 28.0 0.0 27 Washington Street/ AM 12.5 12.5 0.0 13.1 13.1 0.0 12.7 12.7 0.0 12.5 12.5 0.0 15.0 14.9 -0.1 San Diego Avenue PM 13.6 13.6 0.0 14.1 14.1 0.0 14.1 14.1 0.0 14.0 14 | | | | | | | | | | | | | | | | | | |
| 27 Washington Street/ San Diego Avenue AM 12.5 12.5 0.0 13.1 13.1 0.0 12.7 12.7 0.0 12.5 12.5 0.0 14.9 -0.1 28 Rosecrans Street/ Pacific Highway AM 36.1 36.1 0.0 36.4 36.4 0.0 36.1 36.1 0.0 37.3 37.3 0.0 29 RosecransStreet/ RosecransStreet/ AM 21.8 21.8 0.0 21.8 21.7 -0.1 24.3 24.3 0.0 23.6 23.7 0.1 26.8 27.0 0.2 | 20 | | | | | | | - | | | | | | | | | | |
| San Diego Avenue PM 13.6 13.6 0.0 14.1 14.1 0.0 14.1 14.0 14.0 14.0 14.0 0.0 16.8 16.8 0.0 28 Rosecrans Street/ AM 36.1 36.1 0.0 36.4 36.4 0.0 36.1 36.1 0.0 36.2 36.2 0.0 37.3 37.3 0.0 Pacific Highway PM 39.1 39.1 0.0 44.8 44.8 0.0 41.3 41.3 0.0 41.9 41.9 0.0 42.9 43.0 0.1 29 RosecransStreet/ AM 21.8 21.8 0.0 21.8 21.7 -0.1 24.3 24.3 0.0 23.6 23.7 0.1 26.8 27.0 0.2 | 27 | | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street/ AM 36.1 36.1 0.0 36.4 36.4 0.0 36.1 36.1 0.0 36.2 36.2 0.0 37.3 37.3 0.0 Pacific Highway PM 39.1 39.1 0.0 44.8 44.8 0.0 41.3 41.3 0.0 41.9 41.9 0.0 42.9 43.0 0.1 29 RosecransStreet/ AM 21.8 21.8 0.0 21.8 21.7 -0.1 24.3 24.3 0.0 23.6 23.7 0.1 26.8 27.0 0.2 | 21 | | | | | | | | | | | | | | | | 1 | |
| Pacific Highway PM 39.1 39.1 0.0 44.8 44.8 0.0 41.3 41.3 0.0 41.9 41.9 0.0 42.9 43.0 0.1 29 RosecransStreet/ AM 21.8 21.8 0.0 21.8 21.7 -0.1 24.3 24.3 0.0 23.6 23.7 0.1 26.8 27.0 0.2 | 28 | | | | | | | | | | | | | | | | | |
| 29 RosecransStreet/ AM 21.8 21.8 0.0 21.8 21.7 -0.1 24.3 24.3 0.0 23.6 23.7 0.1 26.8 27.0 0.2 | 20 | | | | | | | | | | | | | | | | | 0.0 |
| | 29 | , | | | | | | | | | | | | | | | | 0.2 |
| | | Nimitz Boulevard | PM | 25.0 | 25.0 | 0.0 | 25.3 | 25.2 | -0.1 | 26.7 | 26.7 | 0.0 | 26.5 | 26.5 | 0.0 | 28.9 | 29.1 | 0.2 |

LOS E
LOS F
Significant Impact

D.5.2.3.3 Freeway Segments

The traffic forecasts on freeway segments for the Implementation Plan (Without Parking Structure) would be the same as for the Implementation Plan (With Parking Structure). As discussed in Section <u>D.5.1.4.2</u> <u>D.5.1.3.3</u>, the Implementation Plan would not result in any significant freeway impacts.

D.5.2.3.4 Freeway Ramps

The traffic forecasts on freeway ramps for the Implementation Plan (Without Parking Structure) would be the same as for the Implementation Plan (With Parking Structure). As discussed in Section D.5.1.4.3 D.5.1.3.4, the Implementation Plan would not result in any significant freeway ramp impacts.

D.5.2.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis report. Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44% increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32 trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips. For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-74 summarizes the railroad crossing delay analysis for each analysis year under the Implementation Plan (without parking structure). As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in 2010, 2015 and 2030. Washington Street railroad crossings exceeded the threshold of VHD in 2020 and 2025. However, due to shifts in regional background traffic described in Section D.2.1.1 *Airport Trip Generation and Background Traffic* total traffic on Washington Street in 2030 decreased, causing the VHD to decrease to a level of insignificance.

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Linscott, Law & Greenspan Engineers March 3, 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.

Table D-74

2010-2030 Railroad Crossing Operations – Proposed Airport Implementation Plan
(Without Parking Structure)

| (V | vitilout F | arking . | Structur | e) | |
|------------------------------------|------------------|------------------|------------------------------------|-----------|-----------------|
| | | | Year 2010 | | |
| | | | Total gate down time | | |
| | VHD | ADT | per day | VIIID | Exceeds |
| Crossing Washington Street | Threshold 150 | Volume 20,400 | (hours) 4.76 | VHD | VHD Limit No |
| Sassafras Street | 75 | 14,100 | 3.44 | 64 23 | No |
| Palm Street | 75 | 900 | 3.44 | 0 | No |
| Laurel Street | 300 | 25,200 | 0.77 | 1 | No |
| Hawthorn Street | 150 | 18,500 | 0.77 | 10 | No |
| Grape Street | 300 | 28,900 | 0.77 | 18 | No |
| | | | | | |
| | | | Year 2015 | | ı |
| Outsiles | VHD | ADT | Total gate down time per day | \/\ | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street Sassafras Street | 150 150 | 23,300 16,600 | 8.53 6.13 | 134 49 | No No |
| Palm Street | 75 | 900 | 6.13 | 49 | No No |
| Laurel Street | 300 | 28,900 | 0.80 | 1 | No |
| Hawthorn Street | 150 | 20,700 | 0.80 | 12 | No |
| Grape Street | 300 | 31,500 | 0.80 | 22 | No |
| | | <u> </u> | | | |
| - | | | Year 2020 | | |
| | \ // ID | 457 | Total gate down time | | |
| | VHD | ADT | per day | \ // UD | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street Sassafras Street | 150 150 | 24,500 16,900 | 8.94 6.46 | 166 60 | Yes |
| Palm Street | 75 | 300 | 6.46 | 0 | No No |
| Laurel Street | 300 | 30,300 | 1.13 | 1 | No |
| Hawthorn Street | 150 | 23,400 | 1.13 | 24 | No |
| Grape Street | 300 | 34,300 | 1.13 | 43 | No |
| | | | | | |
| | | | Year 2025 | | 1 |
| | VHD | ADT | Total gate down time per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,900 | 9.41 | 180 | Yes |
| Sassafras Street | 150 | 18,400 | 6.79 | 71 | No |
| Palm Street | 75 | 100 | 6.79 | 0 | No |
| Laurel Street | 300 | 31,800 | 1.46 | 0 | No |
| Hawthorn Street | 150 | 24,700 | 1.46 | 31 | No |
| Grape Street | 300 | 35,500 | 1.46 | 59 | No |
| | Ī | | Year 2030 | | |
| | | | Total gate down time | | |
| 0 | VHD | ADT | per day | \#15 | Exceeds |
| Crossing Washington Street | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street Sassafras Street | 150 75 | 19,100 14,600 | 9.95 7.18 | 137 56 | No No |
| Palm Street | 75 | 100 | 7.18 | 0 | No |
| Laurel Street | 300 | 34,800 | 1.85 | 0 | No |
| Hawthorn Street | 300 | 26,500 | 1.85 | 44 | No |
| Grape Street | 300 | 37,200 | 1.85 | 81 | No |
| | | | | | |

VHD = vehicle-hours of delay ADT = average daily traffic

D.5.2.3.6 Transit

Under the Implementation Plan (Without Parking Structure) no existing or planned transit routes would be modified. Therefore, no significant impact would occur to transit operations and no mitigation would be required.

D.5.2.3.7 Parking

The Implementation Plan (Without Parking Structure) would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. In addition, the Implementation Plan (Without Parking Structure) would provide 500 additional airport public parking spaces at SAN Park Pacific Highway and Terminal 2 roadway/curbside construction would eliminate 130 spaces at SAN Park NTC (as previously discussed in Section D.5.1.2 D.5.1.1) for a net parking increase of 370 spaces compared to the No Project Alternative. However, demand for terminal area spaces (8,400 spaces in 2015 and 10,500 spaces in 2030, as documented in the AMP facility requirements) would continue to exceed the supply of 3,955 spaces (4,085 less 130 SAN Park NTC spaces), resulting in a deficit of approximately 4,445 spaces in 2015 and 6,545 in 2030.

D.5.2.3.8 Terminal Curbside

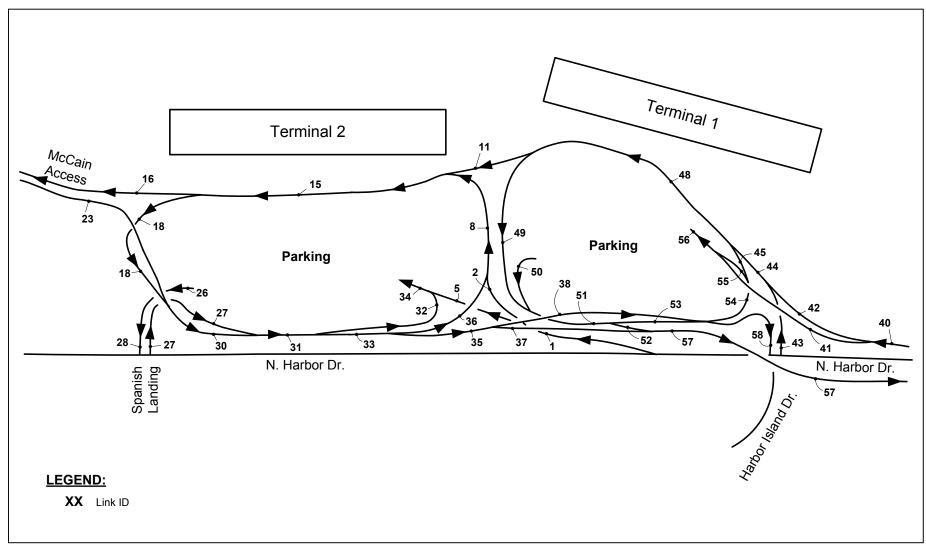
Currently 6,630 linear feet of curbside is available between all three terminals. In 2015 under the Implementation Plan (without Parking Structure), 7,150 linear feet of curbside is required at all terminals to accommodate private and commercial vehicle demand. Out of that total 3,660 feet of private and commercial vehicle curbside is required at Terminal 2 to accommodate demand associated with passengers at the new and existing aircraft gates. Currently Terminal 2 has 2,820 linear feet of curbside which is 840 feet short of the 2015 requirement. The No Project Alternative would maintain the existing curbside supply, which would result in a total curbside deficit of 520 linear feet, Under the Implementation Plan (Without Parking Structure) an additional 1,370 linear feet of curbside would be provided at Terminal 2 for a total of 8,000 linear feet, providing an airport-wide surplus of 760 linear feet in 2015. Therefore, the Implementation Plan (Without Parking Structure) would result in favorable curbside impact compared to the No Project Alternative.

D.5.2.3.9 On-Airport Traffic Circulation

Table D-75 shows the AM and PM peak hour traffic volumes and LOS on terminal roadways under the Implementation Plan (Without Parking Structure) (please refer to **Figure D.5-3** for link ID key map). As shown, all terminal roadways would operate at LOS D or better during peak hours under the Implementation Plan (Without Parking Structure), except segment 37 (the exit from Terminal 2 to eastbound North Harbor Drive), which operates at LOS E in 2030.

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT





Not to Scale

Appendix D.5-3

On-Airport Roadway Link ID Key Map
Proposed Airport Implementation Plan (without Parking Structure)

Table D-75
2010-2030 On-Airport Roadway Operations – Proposed Airport Implementation Plan
(Without Parking Structure)

| | <u> </u> | | 20 | 110 | | <u> </u> | 20 | l | | 2020 | | | |
|--------------|----------|-----------|----------|----------------|-----|--------------------------------|--------------|----------------|-----|-------|-------------|---------------------|-----|
| Link ID | Lanes | AM | LOS | PM | LOS | AM | LOS | PM | LOS | AM | LOS | PM | LOS |
| 1 | 2 | 445 | Α | 368 | Α | 532 | В | 444 | Α | 590 | В | 495 | В |
| 2 | 2 | 369 | Α | 313 | Α | 457 | Α | 390 | Α | 515 | В | 441 | Α |
| 3 | | | | ot Used | | | | ot Used | | | | _ink Not Use | |
| 4 | | | Link No | ot Used | | | Link No | ot Used | | | | _ink Not Use | d |
| 5 | 2 | 76 | Α | 54 | Α | 76 | Α | 54 | Α | 76 | Α | 54 | Α |
| 6 | | | | ot Used | | | | ot Used | | | | _ink Not Use | |
| 7 | | | | ot Used | | | | ot Used | | | | ink Not Use | |
| 8 | 4 | 470 | Α | 399 | Α | 580 | Α | 494 | Α | 652 | Α | 558 | Α |
| 9 | | | | ot Used | | | | ot Used | | | | _ink Not Use | |
| 10 | | | | ot Used | | | | ot Used | | | | ink Not Use | |
| 11 | 1 | 179 | Α | 201 | Α | 203 | Α | 228 | Α | 222 | A | 250 | B |
| 12 | | | | ot Used | | | | ot Used | | | | _ink Not Use | |
| 13 | | | | ot Used | | | | ot Used | | | | _ink Not Use | |
| 14 | | 0.40 | | ot Used | | 700 | | ot Used | | 074 | | ink Not Use | |
| 15 | 8 | 649 | A | 600 | A | 783 | A | 722 | A | 874 | A | 808 | A |
| 16 | 2 | 153 | A Limb N | 134 | Α | 181 | A | 156 | Α | 198 | A | 173 | A |
| 17 | 2 | 405 | | ot Used | | 000 | | ot Used | | 075 | | ink Not Use | |
| 18 19 | | 495 | B Link N | 466 ot Used | Α | 602 | B Link Na | 566 ot Used | В | 675 | В | 635 Link Not Use | В |
| 20 | 1 | | | ot Used | | - | | ot Used | | ł | | ink Not Use | |
| 21 | | | | ot Used | | | | | | | | ink Not Use | |
| 22 | | | | ot Used | | Link Not Used Link Not Used | | | | | | ink Not Use | |
| 23 | 2 | 67 | I A | 57 | Α | 79 | A | 66 | Α | 86 | A | 74 | A |
| 24 | | 07 | | ot Used | | 7.5 | | | | - 00 | | ink Not Use | |
| 25 | | | | ot Used | | Link Not Used Link Not Used | | | | | | ink Not Use | |
| 26 | 2 | 46 | A | 99 | Α | | | 46 | A | 99 | A | | |
| 27 | 1 | 79 | A | 65 | A | 95 | A | 79 | A | 105 | A | 88 | A |
| 28 | 2 | 46 | A | 99 | A | 46 | A | 99 | A | 46 | A | 99 | A |
| 29 | | | Link No | ot Used | | | Link No | ot Used | | | | ink Not Use | d |
| 30 | 2 | 562 | В | 523 | В | 681 | В | 632 | В | 761 | В | 709 | В |
| 31 | 3 | 641 | Α | 588 | Α | 775 | В | 711 | В | 866 | В | 797 | В |
| 32 | 1 | 14 | Α | 10 | Α | 13 | Α | 10 | Α | 13 | Α | 10 | A |
| 33 | 3 | 627 | Α | 578 | Α | 762 | В | 701 | Α | 853 | В | 787 | В |
| 34 | 4 | 90 | Α | 64 | Α | 89 | Α | 64 | Α | 89 | Α | 64 | Α |
| 35 | 2 | 526 | В | 493 | В | 639 | В | 597 | В | 715 | В | 669 | В |
| 36 | 1 | 101 | Α | 86 | Α | 123 | Α | 104 | Α | 137 | Α | 118 | Α |
| 37 | 1 | 471 | С | 442 | С | 577 | D | 540 | С | 650 | D | 609 | D |
| 38 | 1 | 55 | Α | 51 | Α | 61 | Α | 57 | Α | 66 | Α | 61 | Α |
| 39 | | | Link No | ot Used | | | Link No | ot Used | | | | ink Not Use | d |
| 40 | 2 | 540 | В | 498 | В | 603 | В | 561 | В | 659 | В | 615 | В |
| 41 | 1 | 68 | Α | 49 | Α | 68 | Α | 49 | Α | 68 | Α | 49 | Α |
| 42 | 2 | 472 | В | 449 | Α | 535 | В | 513 | В | 591 | В | 567 | В |
| 43 | 1 | 75 | Α | 62 | A | 84 | Α | 70 | Α | 92 | Α | 77 | A |
| 44 | 3 | 547 | Α | 511 | Α | 619 | Α | 582 | Α | 683 | Α | 643 | Α |
| 45 | 1 | 32 | Α | 27 | Α | 37 | Α | 31 | Α | 41 | Α | 35 | Α |
| 46 | | | | ot Used | | Link Not Used | | | | | | _ink Not Use | |
| 47 | | | | ot Used | | Link Not Used | | | | | ink Not Use | | |
| 48 | 4 | 579 | A | 538 | A | 656 | A | 613 | A | 724 | A | 678 | A |
| 49 | 2 | 400 | A | 337 | A | 453 | A | 385 | A | 502 | В | 428 | A |
| 50 | 1 | 42 | A | 90 | A | 41 | A | 89 | A | 41 | A | 89 | A |
| 51 | 3 | 442 | A | 427 | A | 494 | A | 474 | A | 543 | A | 517 | A |
| 52 | 2 | 360 | A | 351 | A | 404 | A | 390 | A | 445 | A | 426 | A |
| 53 | 1 | 82 | A | 77 | A | 90 | A | 84 | A | 98 | A | 91 | Α |
| 54 | 1 | 45 | A | 36 | A | 50 | A | 40 | A | 54 | A | 44 | Α |
| 55 | 1 | 13 | A | 9 | A | 13 | A | 9 | A | 13 | A | 9 | A |
| 56 | 4 | 81 | A | 58 | A | 81 | A | 58 | A | 81 | A | 58 | A |
| 57 58 | 2 | 831 92 | В | 792 | В | 981 | В | 930 | В | 1,094 | C | 1,035 | B |
| | | 92 | Α | 92 | Α | 101 | Α | 101 | Α | 110 | Α | 108 | Α |
| Source: HNTB | 2007 | | | | | | | | | | | | |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.5-3 for link ID key map.

Table D-75 (continued)

2010-2030 On-Airport Roadway Operations – Proposed Airport Implementation Plan
(Without Parking Structure)

| - | | | 20 | 125 | | | 20 | 030 | |
|----------|-------|------------|---------------|------------|---------------|--------------|-----------|------------|---------------|
| Link ID | Lanes | AM | LOS | PM | LOS | AM | LOS | PM | LOS |
| 1 | 2 | 638 | В | 536 | В | 660 | В | 557 | В |
| 2 | 2 | 561 | В | 481 | В | 587 | В | 505 | В |
| 3 | | | Link No | ot Used | | | Link N | ot Used | |
| 4 | | | Link No | ot Used | | | Link N | ot Used | |
| 5 | 2 | 76 | Α | 54 | Α | 73 | Α | 52 | Α |
| 6 | | | Link No | ot Used | | | Link N | ot Used | |
| 7 | | | Link No | ot Used | | | Link N | ot Used | |
| 8 | 4 | 710 | Α | 609 | Α | 776 | Α | 667 | Α |
| 9 | | | Link No | ot Used | | | Link N | ot Used | |
| 10 | | | | ot Used | | | | ot Used | |
| 11 | 1 | 235 | В | 265 | В | 246 | В | 278 | В |
| 12 | | | | ot Used | | | | ot Used | |
| 13 | | | | ot Used | | | | ot Used | |
| 14 | | | | ot Used | | | | ot Used | |
| 15 | 8 | 945 | A | 874 | Α | 1,022 | Α | 945 | Α |
| 16 | 2 | 213 | Α | 186 | Α | 255 | Α | 222 | Α |
| 17 | | ļ | | ot Used | | ļ | | ot Used | |
| 18 | 2 | 732 | <u>B</u> | 688 | В | 767 | В | 723 | В |
| 19 | | ļ | | ot Used | | | | ot Used | |
| 20 | | | | ot Used | | | | ot Used | |
| 21 | | | | ot Used | | | | ot Used | |
| 22 | | | | ot Used | | | | ot Used | |
| 23 | 2 | 92 | A | 79 | Α | 97 | Α | 83 | Α |
| 24 | | | | ot Used | | | | ot Used | |
| 25 | 0 | 40 | | ot Used | ^ | 40 | | ot Used | ^ |
| 26 | 2 | 46 | A | 99 | A | 46 | Α | 99 | A |
| 27 | 1 | 113 | A | 95 | A | 154 | A | 130 | A |
| 28 | 2 | 46 | A Limba N | 99 | A | 46 | A Lista N | 99 | Α |
| 29 | 2 | 004 | | ot Used | D | 064 | | ot Used | |
| 30 31 | 3 | 824 938 | <u>С</u> В | 767 862 | <u>В</u> В | 864 1,018 | C B | 806 936 | <u>С</u> В |
| 32 | 1 | 14 | A | 10 | A | 1,016 | A | 12 | A |
| 33 | 3 | 924 | <u>A</u> | 852 | В | 1,001 | В | 924 | <u>A</u> |
| 34 | 4 | 90 | A | 64 | A | 90 | A | 64 | A |
| 35 | 2 | 775 | В | 725 | В | 812 | C | 762 | В |
| 36 | 1 | 149 | A | 127 | A | 189 | A | 162 | A |
| 37 | 1 | 707 | D | 662 | D | 741 | E | 696 | D |
| 38 | 1 | 69 | A | 64 | A | 72 | A | 66 | A |
| 39 | - | | | ot Used | | | | ot Used | |
| 40 | 2 | 694 | В | 649 | В | 685 | В | 647 | В |
| 41 | 1 | 68 | A | 49 | A | 65 | A | 46 | A |
| 42 | 2 | 626 | В | 601 | В | 621 | В | 600 | В |
| 43 | 1 | 96 | А | 81 | Α | 121 | Α | 101 | Α |
| 44 | 3 | 722 | В | 681 | Α | 741 | В | 702 | Α |
| 45 | 1 | 43 | Α | 37 | Α | 45 | Α | 39 | Α |
| 46 | | | Link No | ot Used | | | Link N | ot Used | |
| 47 | | | Link No | ot Used | | | Link N | ot Used | |
| 48 | 4 | 765 | Α | 718 | Α | 786 | Α | 741 | Α |
| 49 | 2 | 530 | В | 453 | Α | 540 | В | 463 | Α |
| 50 | 1 | 42 | Α | 90 | Α | 42 | Α | 90 | Α |
| 51 | 3 | 572 | A | 543 | Α | 582 | Α | 553 | Α |
| 52 | 2 | 469 | В | 448 | Α | 453 | Α | 433 | A |
| 53 | 1 | 103 | A | 95 | A | 129 | A | 119 | A |
| 54 | 1 | 56 | A | 46 | A | 61 | A | 51 | Α |
| 55 | 1 | 13 | Α | 9 | A | 16 | A | 12 | Α |
| 56 | 4 | 81 | A | 58 | A | 81 | A | 58 | A |
| 57 | 2 | 1,176 | C | 1,110 | C | 1,194 | C | 1,129 | C |
| 58 | 2 | 116 | A | 113 | Α | 139 | Α | 135 | Α |

Source: HNTB, 2007 LOS = Level of service

NOTE: Please refer to Figure D.5-3 for link ID key map.

D.6 East Terminal Alternative

Under the Airport Implementation Plan Alternative, two scenarios are examined:

- Airport Implementation Plan Alternative (With Parking Structure) (Section D.6.1)
- Airport Implementation Plan Alternative (Without Parking Structure) (Section D.6.2)

D.6.1 <u>Airport Implementation Plan Alternative (With Parking Structure)</u>

This scenario assumes all components of the Implementation Plan Alternative are constructed as described in the Assumptions below, including a parking structure in front of the new Terminal 1 East Unit Terminal.

D.6.1.1 Assumptions

- Projects assumed in the Implementation Plan Alternative are discussed in the Alternatives section of the EIR. These projects include:
 - Construct new unit terminal east of Terminal 1 with 7 new aircraft gates and five replacement aircraft gates and expand Terminal 2 West with 3 new aircraft gates.
 - Construct new surface and structured parking, second level curbside, and vehicle circulation at Terminal 1 and New Unit Terminal, including six story parking structure with approximately 3,000 spaces in front of the New Unit Terminal. Primary access to T1E would be provided in the vicinity of Winship Lane, with an access ramp similar to the one currently serving Terminal 1 from westbound North Harbor Drive. The T1E roadway would have a connection to the existing T1 roadway.
 - Construct new surface parking and vehicle circulation west of Terminal 2 West with approximately 2,000 parking spaces.
 - Relocate and reconfigure SAN Park Pacific Highway with 500 additional parking spaces in the North Area
 - o Construct new/replacement general aviation facilities including access in the North Area.
 - Construct a new access road from the Sassafras Street/Pacific Highway intersection providing access to general aviation and parking facilities in the North Area.
- As discussed previously, the Implementation Plan Alternative would accommodate the same volume of air passengers as the No Project Alternative and the Proposed Airport Implementation Plan through 2020. Therefore, total terminal traffic generation under the Implementation Plan Alternative would be the same as under the No Project Alternative and Proposed Airport Implementation Plan through 2020. After 2020 the Implementation Plan Alternative would begin to accommodate more passengers than the No Project Alternative.
- The regional trip distribution of airport traffic under the Implementation Plan Alternative is assumed to be the same as the No Project Alternative, as discussed in Section D.1.7.
- The Implementation Plan Alternative would have a different gate distribution from the No Project Alternative and the Proposed Implementation Plan. The Implementation Plan Alternative would construct a new unit terminal east of Terminal 1 with five replacement gates and seven new jet gates, expand existing Terminal 2 West with three new jet gates, and relocate commuter operations to Terminals 1 and 2. This would consequently shift the passenger and traffic distribution among terminals. This is discussed further in the next section (Section D.6.1.2 Trip Generation and Terminal Distribution).

D.6.1.2 Trip Generation and Terminal Distribution

Trip generation associated with the Implementation Plan Alternative is summarized in Table D-

76. As shown, total airport trip generation would increase from approximately 94,600 ADT in 2010 to 134,900 134,850 ADT in 2030. This corresponds to an increase in air passenger forecast of 19.5 million annual passengers (MAP) in 2010 to 28.2 MAP in 2030. This represents an increase in trip generation of approximately 6,200 ADT or 4.6% from the No Project Alternative in 2030. Trips from most airport modes were estimated to increase relative to origin and destination passenger growth. However, schedule driven modes such as public buses, and airport operated inter-terminal, employee and public parking shuttles were estimated to grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate from 1.86 1.85 to 1.82 in 2010 and 2030, respectively. This has also been demonstrated by a historical downward trend witnessed at SDIA.

Under existing conditions, Terminal 1 accommodates approximately 54% of the passenger activity. The Implementation Plan Alternative would shift passenger activity to the new unit Terminal 1 East accommodating 36% of passenger activity in 2010, decreasing to 32% in 2030, as shown in Table D-77.

The change in passenger distribution between terminals would result in redistribution of traffic at the terminal access driveways along North Harbor Drive. However, the change in passenger distribution would not affect the traffic pattern outside of the study area which is assumed to be the same as the No Project Alternative.

Table D-76

2010-2030 Airport Trip Generation - Airport Implementation Plan Alternative
(With Parking Structure)

| | | | Ye | ear | | |
|----------------------------------|--------|--------|---------|---------|---------|---------|
| Activity | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
| | | | | | | |
| Airport Passenger Activity Level | | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 19.5 | 22.8 | 25.1 | 26.6 | 28.2 |
| Million Annual O&D Passengers | 16.7 | 18.6 | 21.8 | 24.0 | 25.4 | 27.0 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,769 | 66,220 | 70,553 | 74,199 |
| | | | | | | |
| Airport Trip Generation (1) | | | | | | |
| Daily | 85,100 | 94,600 | 109,500 | 120,800 | 128,400 | 134,850 |
| În | 42,600 | 47,350 | 54,800 | 60,450 | 64,250 | 67,500 |
| Out | 42,500 | 47,250 | 54,700 | 60,350 | 64,150 | 67,400 |
| AM Peak Hour | 3,180 | 3,530 | 4,095 | 4,550 | 4,800 | 5,070 |
| In | 1,760 | 1,955 | 2,265 | 2,500 | 2,650 | 2,790 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,245 | 3,620 | 4,190 | 4,650 | 4,950 | 5,195 |
| In | 1,500 | 1,675 | 1,940 | 2,150 | 2,300 | 2,415 |
| Out | 1,745 | 1,945 | 2,250 | 2,500 | 2,650 | 2,780 |
| Trip Rate | | | | | | |
| Daily | 1.86 | 1.85 | 1.83 | 1.82 | 1.82 | 1.82 |
| | | | | | | |

O&D = origin and destination

Notes

(1) Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Source: HNTB, 2007.

O&D = origin and destination

Table D-77

2010-2030 Terminal Passenger Distribution –Airport Implementation Plan Alternative (With Parking Structure)

| | | Terminal 1 | Terminal 2 | Terminal 2 | Commuter | |
|---|------------|------------|------------|------------|----------|-------|
| Scenario/Year | Terminal 1 | East * | East | West | Terminal | Total |
| Existing | | | | | | |
| 2005 | 54% | 0% | 15% | 26% | 5% | 100% |
| Airport Implementation Plan Alternative | | | | | | |
| 2010 | 20% | 36% | 25% | 18% | 0% | 100% |
| 2015 | 20% | 36% | 25% | 20% | 0% | 100% |
| 2020 | 23% | 35% | 23% | 19% | 0% | 100% |
| 2025 | 23% | 34% | 23% | 20% | 0% | 100% |
| 2030 | 24% | 32% | 23% | 20% | 0% | 100% |

D.6.1.3 Traffic Impacts

Traffic impacts were identified by comparing traffic conditions under the Implementation Plan Alternative (With Parking Structure) against traffic conditions under the No Project Alternative. Specific impact categories are discussed below.

D.6.1.3.1 Street Segments

Table D-78 summarizes the street segment operations for each analysis year under the Implementation Plan (With Parking Structure).

Table D-79 compares the street segment volume to capacity (v/c) ratios under the Implementation Plan (With Parking Structure) against the No Project Alternative to identify traffic impacts based on significance criteria identified in **Section D.2**, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.02 for streets operating at LOS E and 0.01 for streets operating at LOS F under the No Project. The following roadway segments would have potentially significant traffic impacts:

Street Segments with Significant Traffic Impacts

Year 2010

- Sassafras Street between Pacific Highway and Kettner Boulevard, , which operates at LOS E under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in volume to capacity (v/c) ratio of over 0.02 under the Implementation Plan Alternative compared to the No Project Alternative.
- Sassafras Street between Kettner Boulevard and India Street, which operates at LOS F
 under both the Implementation Plan Alternative (with Parking Structure) and No Project
 Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation
 Plan Alternative compared to the No Project Alternative.

See Section D.5.1.3.1 for a description of Sassafras Street.

Year 2015

- All locations identified in Year 2010
- Kettner Boulevard between Sassafras Street and Palm Street, which increased from LOS D under the No Project Alternative (with Parking Structure) to LOS E under the Implementation Plan Alternative.

^{*} New unit terminal under Airport Implementation Project Alternative.

Year 2020

- All locations identified in Year 2015
- Grape Street between Pacific Highway and Kettner Boulevard, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.

Year 2025

- All locations identified in year 2020
- North Harbor Drive between Rental Car Road and Hawthorn Street, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.
- Kettner Boulevard between Washington Street and Palm Street, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2025
- Grape Street between North Harbor Drive and Pacific Highway, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.
- Grape Street between Kettner Boulevard and I-5, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.
- Hawthorn Street between North Harbor Drive and I-5, which operates at LOS F under both
 the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and
 experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative
 compared to the No Project Alternative.
- Laurel Street between Pacific Highway and Kettner Boulevard, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.
- India Street between Laurel Street and Washington Street, which operates at LOS F under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative compared to the No Project Alternative.

Table D-78 2010-2030 Street Segment Operations – Airport Implementation Plan Alternative (With Parking Structure, 2010-2020)

| | | | | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | |
|--------------------|-----------------------------|---------------------------|-------|--------------------------------|-------------------|-----------------------|--------------------|-----------|-----|-------------------|-----------------------|--------------------|-------------------|----------|-------------------|-----------------------|--------------------|------|-----|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 11.0 | 17.7 | 28.7 | 0.48 | В | 12.8 | 20.4 | 33.2 | 0.55 | В | 14.1 | 25.2 | 39.3 | 0.65 | С |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 15.7 | 15.1 | 30.8 | 0.51 | В | 17.9 | 16.3 | 34.2 | 0.57 | В | 19.6 | 20.7 | 40.3 | 0.67 | С |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 11.4 | 14.9 | 26.3 | 0.44 | В | 12.8 | 16.2 | 29.0 | 0.48 | В | 14.0 | 18.3 | 32.3 | 0.54 | В |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 22.0 | 15.0 | 37.0 | 0.57 | В | 25.4 | 16.3 | 41.7 | 0.64 | С | 27.3 | 18.2 | 45.5 | 0.70 | С |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 22.8 | 18.3 | 41.1 | 0.63 | С | 25.9 | 18.4 | 44.3 | 0.68 | С | 27.2 | 19.1 | 46.3 | 0.71 | С |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 27.8 | 18.3 | 46.1 | 0.66 | С | 31.7 | 18.3 | 50.0 | 0.71 | С | 34.8 | 19.1 | 53.9 | 0.77 | С |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 31.0 | 18.4 | 49.4 | 0.71 | С | 35.6 | 18.4 | 54.0 | 0.77 | С | 39.0 | 19.1 | 58.2 | 0.83 | С |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 62.8 | 20.8 | 83.6 | 1.39 | F | 72.9 | 20.7 | 93.6 | 1.56 | F | 80.4 | 22.1 | 102.5 | 1.71 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 40.6 | 15.2 | 55.8 | 0.93 | E | 47.0 | 15.4 | 62.4 | 1.04 | F | 51.8 | 16.7 | 68.5 | 1.14 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.5 | 14.0 | 39.5 | 0.66 | С | 29.6 | 13.4 | 43.0 | 0.72 | С | 32.6 | 14.0 | 46.6 | 0.78 | С |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 13.6 | 6.7 | 20.3 | 0.81 | D | 15.8 | 7.1 | 22.9 | 0.91 | E | 17.5 | 8.5 | 26.0 | 1.04 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.6 | 16.4 | 29.0 | 1.16 | F | 14.6 | 17.1 | 31.7 | 1.27 | F | 16.1 | 18.5 | 34.6 | 1.38 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.2 | 23.3 | 35.5 | 1.42 | F | 14.2 | 23.7 | 37.9 | 1.52 | F | 15.7 | 21.1 | 36.8 | 1.47 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.3 | 5.1 | 20.4 | 0.81 | D | 17.7 | 5.4 | 23.1 | 0.92 | E | 19.6 | 6.7 | 26.3 | 1.05 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 6.0 | 18.5 | 0.74 | С | 14.5 | 6.2 | 20.7 | 0.83 | D | 16.0 | 7.4 | 23.4 | 0.94 | Е |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.7 | 1.19 | F | 14.5 | 19.2 | 33.7 | 1.35 | F | 16.0 | 20.4 | 36.4 | 1.46 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.2 | 7.2 | 7.4 | 0.29 | Α | 0.2 | 7.2 | 7.4 | 0.30 | А | 0.3 | 9.6 | 9.9 | 0.39 | А |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 9.0 | 13.0 | 22.0 | 0.88 | D | 10.5 | 13.1 | 23.6 | 0.94 | F | 11.6 | 16.0 | 27.6 | 1.10 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 9.2 | 11.0 | 20.2 | 0.81 | D | 10.6 | 11.9 | 22.5 | 0.90 | F | 11.7 | 18.7 | 30.4 | 1.22 | F |
| | Palm - Laurel | 3-I ane Major 1-Way | 3U | 25.0 | 7.6 | 8.6 | 16.2 | 0.65 | C | 8.8 | 9.5 | 18.3 | 0.73 | c | 9.8 | 16.0 | 25.7 | 1.03 | F |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.2 | 7.2 | 0.29 | Ä | 0.1 | 7.9 | 8.0 | 0.32 | Ā | 0.1 | 13.3 | 13.4 | 0.54 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 14.8 | 14.8 | 0.59 | C | 0.1 | 16.8 | 16.9 | 0.68 | C | 0.1 | 21.5 | 21.6 | 0.87 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 22.2 | 6.3 | 28.5 | 0.71 | C | 25.8 | 6.7 | 32.5 | 0.81 | D | 28.6 | 6.0 | 34.5 | 0.86 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 17.9 | 7.2 | 25.1 | 0.84 | F | 21.1 | 7.8 | 28.9 | 0.96 | F | 23.5 | 6.9 | 30.3 | 1.01 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 10.4 | 8.5 | 18.9 | 0.63 | C | 12.5 | 9.6 | 22.1 | 0.74 | D | 14.1 | 8.0 | 22.1 | 0.74 | D |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 4.1 | 22.8 | 26.9 | 0.54 | В | 4.8 | 27.3 | 32.1 | 0.64 | C | 5.4 | 24.3 | 29.8 | 0.60 | C |
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 6.9 | 17.5 | 24.4 | 0.49 | В | 8.0 | 21.0 | 29.0 | 0.58 | Č | 8.9 | 20.9 | 29.8 | 0.60 | Č |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 6.9 | 18.1 | 25.0 | 0.50 | В | 8.0 | 21.7 | 29.7 | 0.59 | Č | 8.9 | 21.0 | 29.9 | 0.60 | Č |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 2.2 | 19.1 | 21.3 | 0.43 | B | 2.7 | 22.6 | 25.3 | 0.51 | B | 3.2 | 25.5 | 28.7 | 0.57 | C |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 4.9 | 19.6 | 24.5 | 0.49 | B | 5.7 | 23.2 | 28.9 | 0.58 | C | 6.4 | 26.0 | 32.4 | 0.65 | C |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | Ā | 0.0 | 0.9 | 0.9 | 0.00 | Ä | 0.0 | 0.3 | 0.3 | 0.04 | Ä |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 3.4 | 8.3 | 11.7 | 0.98 | Ë | 5.2 | 9.7 | 14.9 | 1.25 | F | 5.0 | 9.3 | 14.3 | 1.19 | F |
| Oddodii do Otroot | Kettner-India | 2-Lane Collector | 2U | 8.0 | 1.7 | 8.5 | 10.2 | 1.27 | Ē | 2.6 | 9.7 | 12.3 | 1.54 | Ė | 2.5 | 9.4 | 11.9 | 1.48 | F |
| Washington Street | Pacific - Kettner | 4-I ane Collector | 4U | 30.0 | 3.9 | 16.5 | 20.4 | 0.68 | D. | 4.7 | 18.6 | 23.3 | 0.78 | D. | 5.4 | 19.1 | 24.5 | 0.82 | D. |
| Trading of Office | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.6 | 23.3 | 26.9 | 0.90 | F | 4.3 | 25.5 | 29.8 | 0.70 | F | 4.8 | 28.6 | 33.4 | 1.11 | F |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.4 | 8.7 | 16.1 | 2.01 | F | 8.7 | 10.2 | 18.9 | 2.36 | F | 9.6 | 7.9 | 17.5 | 2.19 | F |
| more Officer | Palm - Sassafras | 3-I ane Collector | 3U | 12.0 | 7.4 | 13.2 | 20.6 | 1.72 | F | 8.7 | 15.4 | 24.0 | 2.00 | F | 9.6 | 12.6 | 22.2 | 1.85 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 5.1 | 13.5 | 18.5 | 1.54 | Ė | 6.5 | 14.6 | 21.1 | 1.76 | Ė | 7.6 | 15.2 | 22.8 | 1.90 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 5.1 | 40.1 | 45.2 | 0.90 | F | 5.9 | 42.4 | 48.3 | 0.97 | F | 6.5 | 34.3 | 40.9 | 0.82 | D |
| rvocorano | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U 5U | 40.0-45.0 | 5.1 | 35.9 | 41.1 | 1.03-0.91 | F-F | 5.9 | 35.4 | 41.3 | 1.03 0.92 | FE | 6.5 | 31.1 | 37.7 | 0.02 | E-D |
| | Nimitz - Quimby - Barriett | 4-lane Major 4-lane Major | 4U 3U | 40.0 | 5.1 | 35.9 | 41.1 | 1.03 | F | 5.9 | 35.4 | 41.3 | 1.03 | <u> </u> | 6.5 | 31.1 | 37.7 | 0.94 | F |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 9.4 | 8.7 | 18.1 | 0.45 | B B | 10.9 | 8.5 | 19.4 | 0.48 | B | 12.0 | 11.2 | 23.1 | 0.58 | C |
| ource: HNTB, 2007. | Harbor - Nosetralis | 4-iaiic iviajui | 40 | 40.0 | 3.4 | 0.7 | 10.1 | 0.40 | _ D | 10.9 | 0.0 | 13.4 | U. 4 0 | Ь | 12.0 | 11.2 | 23. I | 0.00 | |

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-78 (continued)

2010-2030 Street Segment Operations – Airport Implementation Plan Alternative (With Parking Structure, 2025-2030)

| | | | | | | | Year 2025 | | | | | Year 2030 | | |
|--------------------|-----------------------------|---------------------------|--------------------------|--------------------------------|-------------------|-----------------------|--------------------|-----------|----------|-------------------|-----------------------|--------------------|-----------|----------|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 15.0 | 26.7 | 41.7 | 0.69 | С | 19.6 | 28.5 | 48.1 | 0.80 | С |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 20.7 | 21.8 | 42.5 | 0.71 | С | 25.4 | 23.3 | 48.7 | 0.81 | С |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 14.7 | 18.4 | 33.2 | 0.55 | В | 17.6 | 20.7 | 38.3 | 0.64 | С |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 28.9 | 18.1 | 47.0 | 0.72 | С | 32.2 | 19.8 | 52.0 | 0.80 | С |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 28.6 | 20.4 | 49.1 | 0.76 | С | 30.5 | 21.1 | 51.6 | 0.79 | С |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 36.8 | 20.5 | 57.2 | 0.82 | С | 39.0 | 21.1 | 60.0 | 0.86 | D |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 41.3 | 20.4 | 61.7 | 0.88 | D | 41.7 | 20.9 | 62.5 | 0.89 | D |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 85.4 | 20.9 | 106.2 | 1.77 | F | 85.5 | 21.7 | 107.2 | 1.79 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 55.0 | 17.5 | 72.5 | 1.21 | F | 57.5 | 18.2 | 75.8 | 1.26 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 34.7 | 14.8 | 49.4 | 0.82 | С | 36.3 | 14.8 | 51.1 | 0.85 | D |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 18.6 | 9.0 | 27.6 | 1.10 | F | 19.5 | 9.7 | 29.2 | 1.17 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.1 | 18.8 | 35.9 | 1.44 | F | 17.9 | 19.8 | 37.7 | 1.51 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.7 | 21.8 | 38.5 | 1.54 | F | 17.5 | 24.7 | 42.2 | 1.69 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 20.8 | 7.0 | 27.8 | 1.11 | F | 21.8 | 7.9 | 29.7 | 1.19 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.0 | 7.8 | 24.8 | 0.99 | E | 17.8 | 8.7 | 26.6 | 1.06 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 17.0 | 21.8 | 38.8 | 1.55 | F | 17.8 | 24.5 | 42.3 | 1.69 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 10.7 | 11.1 | 0.44 | В | 0.4 | 4.2 | 4.6 | 0.18 | Α |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 12.3 | 14.1 | 26.4 | 1.06 | F | 11.0 | 17.4 | 28.4 | 1.14 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.6 | 1.19 | F | 11.2 | 14.2 | 25.4 | 1.02 | F |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.4 | 13.7 | 24.1 | 0.96 | E | 9.0 | 12.6 | 21.5 | 0.86 | D |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 11.0 | 11.2 | 0.45 | В | 0.2 | 11.4 | 11.7 | 0.47 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 19.9 | 20.1 | 0.80 | D | 0.2 | 21.5 | 21.8 | 0.87 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 30.4 | 4.0 | 34.3 | 0.86 | D | 28.0 | 4.3 | 32.3 | 0.81 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 25.0 | 6.8 | 31.8 | 1.06 | F | 22.6 | 12.1 | 34.7 | 1.16 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.2 | 8.1 | 23.2 | 0.77 | D | 14.3 | 12.9 | 27.1 | 0.90 | E |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 5.8 | 27.4 | 33.2 | 0.66 | С | 6.1 | 19.1 | 25.1 | 0.50 | В |
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.2 | 31.6 | 0.63 | С | 9.9 | 16.3 | 26.1 | 0.52 | В |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.0 | 31.4 | 0.63 | С | 9.9 | 15.4 | 25.3 | 0.51 | В |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 3.5 | 27.7 | 31.2 | 0.62 | С | 3.8 | 23.3 | 27.1 | 0.54 | В |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 6.8 | 28.1 | 34.9 | 0.70 | С | 7.2 | 24.1 | 31.3 | 0.63 | С |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.01 | Α | 0.0 | 0.1 | 0.1 | 0.01 | Α |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 5.4 | 10.4 | 15.8 | 1.32 | F | 5.8 | 6.1 | 11.9 | 0.99 | E |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 2.7 | 9.8 | 12.5 | 1.56 | F | 2.9 | 8.0 | 10.9 | 1.36 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 5.9 | 18.9 | 24.9 | 0.83 | D | 6.5 | 12.7 | 19.2 | 0.64 | С |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.2 | 28.1 | 33.3 | 1.11 | F | 5.6 | 22.5 | 28.1 | 0.94 | E |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.2 | 7.9 | 18.1 | 2.26 | F | 8.8 | 12.6 | 21.4 | 2.68 | F |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.2 | 12.5 | 22.7 | 1.89 | F | 8.8 | 16.5 | 25.3 | 2.11 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 8.3 | 14.7 | 22.9 | 1.91 | F | 7.6 | 21.5 | 29.1 | 2.42 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 6.9 | 34.6 | 41.5 | 0.83 | D | 10.7 | 33.7 | 44.5 | 0.89 | D |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4 U <u>5U</u> | 4 0.0 45.0 | 6.9 | 31.3 | 38.2 | 0.96 0.85 | <u> </u> | 10.7 | 29.0 | 39.8 | 0.99 0.88 | <u> </u> |
| | Nimitz - Quimby | 4-lane Major | <u>4U</u> | 40.0 | 6.9 | 31.3 | 38.2 | 0.96 | E | 10.7 | 29.0 | 39.8 | 0.99 | E |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 12.7 | 11.8 | 24.6 | 0.61 | C | 17.3 | 11.7 | 28.9 | 0.72 | С |

Notes

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic

LOS = Level of Service

V/C = volume-to-capacity ratio

Table D-79
2010-2030 Street Segment Impacts –Airport Implementation Plan Alternative (With Parking Structure, 2010-2020)

| | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | |
|--------------------|-----------------------------|------------------|----------------|-----------|------------|----------|------------------|-------------|------------------|------------|----------|------------------|----------------|------------------|----------|----------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.48 | В | 0.48 | В | 0.00 | 0.56 | В | 0.55 | В | 0.00 | 0.66 | С | 0.65 | C | 0.00 |
| | NTC - Spanish Landing | 0.51 | В | 0.51 | В | 0.00 | 0.57 | В | 0.57 | В | 0.00 | 0.67 | С | 0.67 | С | 0.00 |
| | Spanish Landing - T2 Access | 0.43 | В | 0.44 | В | 0.01 | 0.47 | В | 0.48 | В | 0.02 | 0.52 | В | 0.54 | В | 0.02 |
| | T2 Access - Harbor Island | 0.56 | В | 0.57 | В | 0.01 | 0.63 | С | 0.64 | С | 0.01 | 0.68 | С | 0.70 | С | 0.02 |
| | Harbor Island - T1 Access | 0.58 | С | 0.63 | С | 0.05 | 0.62 | С | 0.68 | С | 0.06 | 0.64 | С | 0.71 | С | 0.07 |
| | T1 Access - Winship | 0.76 | С | 0.66 | С | -0.10 | 0.83 | С | 0.71 | С | -0.11 | 0.89 | D | 0.77 | С | -0.12 |
| | Winship - Rental Car Rd | 0.79 | С | 0.71 | С | -0.09 | 0.87 | D | 0.77 | С | -0.10 | 0.94 | Е | 0.83 | С | -0.10 |
| | Rental Car Rd - Laurel | 1.41 | F | 1.39 | F | -0.01 | 1.57 | F | 1.56 | F | -0.01 | 1.71 | F | 1.71 | F | 0.00 |
| | Laurel - Hawthorn | 0.94 | E | 0.93 | E | -0.01 | 1.05 | F | 1.04 | F | -0.01 | 1.14 | F | 1.14 | F | 0.00 |
| | Hawthorn - Grape | 0.66 | С | 0.66 | С | 0.00 | 0.72 | С | 0.72 | С | 0.00 | 0.78 | С | 0.78 | С | 0.00 |
| Grape Street | Harbor - Pacific | 0.82 | D | 0.81 | D | -0.01 | 0.92 | E | 0.91 | E | -0.01 | 1.04 | F | 1.04 | F | 0.00 |
| | Pacific - Kettner | 1.16 | F | 1.16 | F | 0.00 | 1.26 | F | 1.27 | F | 0.005 | 1.37 | F | 1.38 | F | 0.011 |
| | Kettner - I-5 | 1.43 | F | 1.42 | F | -0.01 | 1.52 | F | 1.52 | F | -0.01 | 1.48 | F | 1.47 | F | 0.00 |
| Hawthorn Street | Harbor - Pacific | 0.83 | D | 0.81 | D | -0.01 | 0.94 | E | 0.92 | E | -0.01 | 1.06 | F | 1.05 | F | -0.01 |
| | Pacific - Kettner | 0.75 | С | 0.74 | С | -0.01 | 0.83 | D | 0.83 | D | -0.01 | 0.94 | E | 0.94 | E | 0.00 |
| | Kettner - I-5 | 1.19 | F | 1.19 | F | -0.01 | 1.35 | F | 1.35 | F | -0.01 | 1.46 | F | 1.46 | F | 0.00 |
| Kettner Blvd | north of Washington | 0.29 | Α | 0.29 | Α | 0.00 | 0.30 | Α | 0.30 | Α | 0.00 | 0.39 | Α | 0.39 | Α | 0.00 |
| | Washington - Sassafras | 0.88 | D | 0.88 | D | 0.00 | 0.94 | Е | 0.94 | E | 0.00 | 1.10 | F | 1.10 | F | 0.00 |
| | Sassafras - Palm | 0.80 | D | 0.81 | D | 0.00 | 0.897 | D | 0.901 | Е | 0.004 | 1.21 | F | 1.22 | F | 0.005 |
| | Palm - Laurel | 0.65 | С | 0.65 | С | 0.00 | 0.74 | С | 0.73 | С | 0.00 | 1.03 | F | 1.03 | F | 0.00 |
| | Laurel - Hawthorn | 0.29 | Α | 0.29 | Α | 0.00 | 0.32 | Α | 0.32 | Α | 0.00 | 0.54 | В | 0.54 | В | 0.00 |
| | Hawthorn - Grape | 0.59 | С | 0.59 | С | 0.00 | 0.68 | С | 0.68 | С | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.72 | С | 0.71 | С | -0.01 | 0.82 | D | 0.81 | D | -0.01 | 0.87 | D | 0.86 | D | 0.00 |
| | Pacific - Kettner | 0.85 | E | 0.84 | E | -0.01 | 0.97 | Е | 0.96 | E | -0.01 | 1.02 | F | 1.01 | F | -0.01 |
| | Kettner - I-5 | 0.64 | С | 0.63 | С | -0.01 | 0.75 | D | 0.74 | D | -0.01 | 0.75 | D | 0.74 | D | -0.02 |
| Pacific Highway | Washington - Sassafras | 0.54 | В | 0.54 | В | 0.00 | 0.64 | С | 0.64 | С | 0.00 | 0.59 | С | 0.60 | С | 0.00 |
| | Sassafras - Palm | 0.48 | В | 0.49 | В | 0.01 | 0.57 | С | 0.58 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Palm - Laurel | 0.49 | В | 0.50 | В | 0.01 | 0.59 | С | 0.59 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Laurel - Hawthorn | 0.42 | В | 0.43 | В | 0.00 | 0.50 | В | 0.51 | В | 0.00 | 0.57 | С | 0.57 | С | 0.00 |
| | Hawthorn - Grape | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 | 0.65 | С | 0.65 | С | 0.00 |
| Palm Street | Pacific - Kettner | 0.11 | Α | 0.11 | Α | 0.00 | 0.11 | Α | 0.11 | Α | 0.00 | 0.04 | Α | 0.04 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 0.95 | E | 0.98 | E | 0.024 | 1.14 | F | 1.25 | F | 0.102 | 1.17 | F | 1.19 | F | 0.02 |
| | Kettner-India | 1.25 | F | 1.27 | F | 0.018 | 1.46 | F | 1.54 | F | 0.08 | 1.46 | F | 1.48 | F | 0.02 |
| Washington Street | Pacific - Kettner | 0.68 | D | 0.68 | D | 0.00 | 0.78 | D | 0.78 | D | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Kettner - San Diego | 0.90 | E | 0.90 | E | 0.00 | 0.99 | E | 0.99 | E | 0.00 | 1.11 | F | 1.11 | F | 0.00 |
| India Street | Laurel - Palm | 2.03 | F | 2.01 | F | -0.02 | 2.38 | F | 2.36 | F | -0.01 | 2.20 | F | 2.19 | F | -0.01 |
| | Palm - Sassafras | 1.73 | F | 1.72 | F | -0.01 | 2.01 | F | 2.00 | F | -0.01 | 1.86 | F | 1.85 | F | -0.01 |
| | Sassafras - Washington | 1.57 | F | 1.54 | F | -0.02 | 1.79 | F | 1.76 | F | -0.03 | 1.93 | F | 1.90 | F | -0.03 |
| Rosecrans | Barnett - Sport Arena | 0.91 | E | 0.90 | E | 0.00 | 0.97 | E | 0.97 | E | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Nimitz Quimby - Barnett | 1.03 <u>0.91</u> | <u>F-E</u> | 1.03-0.91 | <u>F-E</u> | 0.00 | 1.03 <u>0.92</u> | <u>F-E</u> | 1.03 <u>0.92</u> | <u>F-E</u> | 0.00 | 0.94 <u>0.84</u> | <u> </u> | 0.94 <u>0.84</u> | <u> </u> | 0.00 |
| | Nimitz - Quimby | 1.03 | <u>F</u> | 1.03 | <u>E</u> | 0.00 | 1.03 | <u> </u> | 1.03 | <u>F</u> | 0.00 | 0.94 | <u>E</u> | 0.94 | <u>E</u> | 0.00 |
| Nimitz | Harbor - Rosecrans | 0.46 | В | 0.45 | В | 0.00 | 0.49 | В | 0.48 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 |

V/C = Volume to capacity ratio LOS = Level of service



San Diego International Airport 119 SDIA Master Plan EIR

Table D-79 (continued)
2010-2030 Street Segment Impacts –Airport Implementation Plan Alternative (With Parking Structure, 2025-2030)

| | | | Υe | ear 2025 | | | | | Year 2030 | | |
|---|-----------------------------|------------------|-------------|-----------|----------|----------|------------------|----------------|-----------|----------|----------|
| Roadway | Segment | No Proi V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proi V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.69 | C | 0.69 | C | 0.00 | 0.79 | C | 0.80 | C | 0.01 |
| 110111111111111111111111111111111111111 | NTC - Spanish Landing | 0.70 | Č | 0.71 | Č | 0.01 | 0.79 | C | 0.81 | Č | 0.03 |
| | Spanish Landing - T2 Access | 0.53 | В | 0.55 | В | 0.03 | 0.60 | C | 0.64 | Ċ | 0.04 |
| | T2 Access - Harbor Island | 0.70 | С | 0.72 | С | 0.02 | 0.76 | C | 0.80 | C | 0.04 |
| | Harbor Island - T1 Access | 0.68 | С | 0.76 | С | 0.07 | 0.69 | С | 0.79 | С | 0.10 |
| | T1 Access - Winship | 0.93 | E | 0.82 | С | -0.12 | 0.94 | Е | 0.86 | D | -0.08 |
| | Winship - Rental Car Rd | 0.98 | E | 0.88 | D | -0.10 | 0.97 | E | 0.89 | D | -0.08 |
| | Rental Car Rd - Laurel | 1.75 | F | 1.77 | F | 0.021 | 1.73 | F | 1.79 | F | 0.06 |
| | Laurel - Hawthorn | 1.19 | F | 1.21 | F | 0.015 | 1.22 | F | 1.26 | F | 0.04 |
| | Hawthorn - Grape | 0.81 | С | 0.82 | С | 0.01 | 0.82 | С | 0.85 | D | 0.03 |
| Grape Street | Harbor - Pacific | 1.09 | F | 1.10 | F | 0.010 | 1.13 | F | 1.17 | F | 0.03 |
| | Pacific - Kettner | 1.41 | F | 1.44 | F | 0.024 | 1.46 | F | 1.51 | F | 0.04 |
| | Kettner - I-5 | 1.53 | F | 1.54 | F | 0.008 | 1.66 | F | 1.69 | F | 0.03 |
| Hawthorn Street | Harbor - Pacific | 1.10 | F | 1.11 | F | 0.006 | 1.16 | F | 1.19 | F | 0.03 |
| | Pacific - Kettner | 0.98 | Е | 0.99 | E | 0.01 | 1.03 | F | 1.06 | F | 0.03 |
| | Kettner - I-5 | 1.54 | F | 1.55 | F | 0.008 | 1.66 | F | 1.69 | F | 0.03 |
| Kettner Blvd | north of Washington | 0.44 | В | 0.44 | В | 0.00 | 0.18 | Α | 0.18 | Α | 0.00 |
| | Washington - Sassafras | 1.04 | F | 1.06 | F | 0.013 | 1.11 | F | 1.14 | F | 0.03 |
| | Sassafras - Palm | 1.17 | F | 1.19 | F | 0.013 | 0.99 | E | 1.02 | F | 0.03 |
| | Palm - Laurel | 0.96 | E | 0.96 | E | 0.00 | 0.85 | D | 0.86 | D | 0.01 |
| | Laurel - Hawthorn | 0.45 | В | 0.45 | В | 0.00 | 0.47 | В | 0.47 | В | 0.00 |
| | Hawthorn - Grape | 0.81 | D | 0.80 | D | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.85 | D | 0.86 | D | 0.01 | 0.78 | D | 0.81 | D | 0.03 |
| | Pacific - Kettner | 1.06 | F | 1.06 | F | 0.00 | 1.13 | F | 1.16 | F | 0.023 |
| | Kettner - I-5 | 0.78 | D | 0.77 | D | -0.01 | 0.90 | E | 0.90 | E | 0.01 |
| Pacific Highway | Washington - Sassafras | 0.66 | С | 0.66 | С | 0.00 | 0.50 | В | 0.50 | В | 0.01 |
| | Sassafras - Palm | 0.62 | С | 0.63 | С | 0.01 | 0.51 | В | 0.52 | В | 0.01 |
| | Palm - Laurel | 0.62 | С | 0.63 | С | 0.01 | 0.49 | В | 0.51 | В | 0.01 |
| | Laurel - Hawthorn | 0.62 | С | 0.62 | С | 0.00 | 0.54 | В | 0.54 | В | 0.01 |
| | Hawthorn - Grape | 0.70 | С | 0.70 | С | 0.00 | 0.62 | С | 0.63 | С | 0.01 |
| Palm Street | Pacific - Kettner | 0.01 | Α | 0.01 | Α | 0.00 | 0.01 | Α | 0.01 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 1.28 | F | 1.32 | F | 0.03 | 0.94 | E | 0.99 | E | 0.05 |
| | Kettner-India | 1.53 | F | 1.56 | F | 0.03 | 1.32 | F | 1.36 | F | 0.04 |
| Washington Street | Pacific - Kettner | 0.83 | D | 0.83 | D | 0.00 | 0.63 | С | 0.64 | С | 0.01 |
| | Kettner - San Diego | 1.11 | F | 1.11 | F | 0.00 | 0.93 | E | 0.94 | E | 0.01 |
| India Street | Laurel - Palm | 2.25 | F | 2.26 | F | 0.0099 | 2.64 | F | 2.68 | F | 0.04 |
| | Palm - Sassafras | 1.88 | F | 1.89 | F | 0.007 | 2.09 | F | 2.11 | F | 0.03 |
| D | Sassafras - Washington | 1.93 | F | 1.91 | F | -0.02 | 2.41 | F | 2.42 | F | 0.011 |
| Rosecrans | Barnett - Sport Arena | 0.83 | D | 0.83 | D | 0.00 | 0.88 | D | 0.89 | D | 0.01 |
| | Nimitz Quimby - Barnett | 0.95 <u>0.85</u> | E-D | 0.96-0.85 | <u> </u> | 0.00 | 0.98 <u>0.87</u> | <u> </u> | 0.99 0.88 | <u> </u> | 0.01 |
| N 12 24 | Nimitz - Quimby | 0.95 | E | 0.96 | <u>E</u> | 0.00 | 0.98 | <u>E</u> | 0.99 | <u>E</u> | 0.01 |
| Nimitz | Harbor - Rosecrans | 0.61 | С | 0.61 | С | 0.00 | 0.71 | С | 0.72 | С | 0.02 |

V/C = Volume to capacity ratio LOS = Level of service



San Diego International Airport 120 SDIA Master Plan EIR

D.6.1.3.2 Intersections

Tables D-80, D-81, D-82, D-83, D-84, D-85, D-86, D-87, D-88, and D-89 show the intersection turning volumes under the Implementation Plan Alternative (With Parking Structure) for each analysis year. Table D-90 shows the resulting intersection operations. Future intersection lane configurations are assumed to remain the same under all alternatives and are shown on Figure D.5-1. Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound approaches.

Table D-91 compares the intersection operations under the Airport Implementation Plan Alternative (With Parking Structure) against the No Project Alternative to identify intersection impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria*, , measured by an increase to LOS E or F or an increase in vehicle delay of greater than 2 seconds for streets operating at LOS E and greater than 1 second for streets operating at LOS F under the No Project Alternative. The following intersections would have potentially significant traffic impacts due to the project:

Intersections with Significant Traffic Impacts

Year 2020

• Sassafras Street and Kettner Boulevard (PM), which operates at LOS E and F in the PM peak hour under both the Implementation Plan Alternative (With Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan Alternative compared to the No Project Alternative.

Year 2025

- All locations identified in Year 2020
- Hawthorn Street and North Harbor Drive (AM), which operates at LOS F in the AM and LOS E in the PM peak hours under both the Implementation Plan Alternative (With Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan Alternative compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2025
- Hawthorn Street and North Harbor Drive (PM), which operates at LOS F in the AM and LOS E in the PM peak hours under both the Implementation Plan Alternative (with Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan Alternative (With Parking Structure) compared to the No Project Alternative.
- Grape Street and Pacific Highway (PM), which operates at LOS E in the PM peak hour under both the Implementation Plan Alternative (With Parking Structure) and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Implementation Plan Alternative compared to the No Project Alternative.

- Grape Street and Kettner Boulevard (PM), which operates at LOS E in the PM peak hour under both the Implementation Plan Alternative (With Parking Structure) and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Implementation Plan Alternative compared to the No Project Alternative.
- Grape Street and I-5 Southbound On-Ramp (PM), which operates at LOS F in the PM peak
 hour under both the Implementation Plan Alternative (With Parking Structure) and No Project
 Alternative and would experience an increase in delay greater than 1 second under the
 Implementation Plan Alternative compared to the No Project Alternative.

Table D-80 2010 Intersection Turning Volumes – AM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| Int# | | iative (| | | 9 | • | | . •, | | | | | | | |
|--|---|---|--|--|--|---|---|--|--|--|---|--|---|--|---|
| | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| IIIL # | | T-4-1 | | | | | | | | | | WDL | | | |
| | | Total | 0 | 0 | 0 | 547 | 0 | 23 | 11 | 431 | 0 | | 589 | 292 | 1,900 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 33 | 0 | 0 | 25 | 148 | 394 |
| | | Background | 0 | 0 | 0 | 359 | 0 | 23 | 11 | 398 | 0 | 7 | 564 | 144 | 1,506 |
| | | Total | 0 | 0 | 0 | 118 | 0 | 29 | 153 | 599 | 0 | 0 | 921 | 418 | 2,238 |
| 2 | North Harbor Drive / McCain St | | 0 | 0 | 0 | 55 | 0 | 5 | 10 | 211 | 0 | | 168 | 128 | 577 |
| 2 | Notth Harbor Drive / Niccain St | Airport | | | | | | | | | | 0 | | | |
| | | Background | 0 | 0 | 0 | 63 | 0 | 24 | 143 | 388 | 0 | 0 | 753 | 290 | 1,661 |
| | | Total | 5 | 0 | 18 | 23 | 0 | 101 | 68 | 708 | 4 | 15 | 1,522 | 0 | 2,464 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 101 | 68 | 198 | 0 | 0 | 195 | 0 | 585 |
| - | | | | 0 | 18 | 0 | 0 | 0 | 0 | 510 | 4 | 15 | 1,327 | 0 | 1,879 |
| | | Background | 5 | | | | | | | | | | | | |
| | | Total | 41 | 2 | 148 | 19 | 4 | 35 | 32 | 634 | 82 | 241 | 1,842 | 0 | 3,080 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 10 | 2 | 42 | 19 | 4 | 35 | 32 | 166 | 22 | 68 | 531 | 0 | 931 |
| | | Background | 31 | 0 | 106 | 0 | 0 | 0 | 0 | 468 | 60 | 173 | 1,311 | 0 | 2,149 |
| | | Total | 0 | 0 | 0 | 310 | 0 | 85 | 134 | 667 | 0 | 0 | 2,178 | 0 | 3,374 |
| - | North Hoston Britis / Milestin Long | | | | | | | | | | | | | | |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 310 | 0 | 85 | 134 | 93 | 0 | 0 | 694 | 0 | 1,316 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | Total | 53 | 0 | 43 | 35 | 0 | 18 | 23 | 1,503 | 67 | 113 | 2,571 | 65 | 4,491 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 53 | 0 | 43 | 35 | 0 | 18 | 23 | 929 | 67 | 113 | 1,087 | 65 | 2,433 |
| · | Trotal Flander Billy of Frontal Cal Fronta | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | | | | | | | | | | | | | | |
| | | Total | 13 | 107 | 0 | 0 | 229 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 566 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 54 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| | | Background | 13 | 53 | 0 | 0 | 134 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 417 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 86 | 0 | 0 | 62 | 1 | 269 |
| | | | | | | | | | | | | | | | |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 12 | 0 | 0 | 16 | 1 | 149 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 46 | 0 | 120 |
| | | Total | 69 | 494 | 71 | 47 | 545 | 10 | 5 | 67 | 42 | 202 | 133 | 53 | 1,738 |
| 9 | Sassafras Street / Danific Highway | | | | | 0 | 79 | | | | 42 | | | | |
| 9 | Sassafras Street / Pacific Highway | Airport | 69 | 61 | 0 | | | 10 | 5 | 67 | | 0 | 133 | 0 | 466 |
| | | Background | 0 | 433 | 71 | 47 | 466 | 0 | 0 | 0 | 0 | 202 | 0 | 53 | 1,272 |
| | · | Total | 0 | 0 | 0 | 24 | 0 | 4 | 386 | 1,093 | 0 | 0 | 1,870 | 40 | 3,417 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 366 | 642 | 0 | 0 | 817 | 0 | 1,825 |
| 10 | Edding Salotty North Fidibol Dilve | | | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 24 | 0 | 4 | 20 | 451 | 0 | 0 | 1,053 | 40 | 1,592 |
| | | Total | 0 | 286 | 0 | 0 | 1,034 | 0 | 0 | 0 | 0 | 81 | 0 | 1,893 | 3,294 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 215 | 0 | 0 | 642 | 0 | 0 | 0 | 0 | 6 | 0 | 602 | 1,465 |
| | | Background | 0 | 71 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 75 | 0 | 1,291 | 1,829 |
| | | | | | | | | | | | | | | | |
| | 1 | Total | 0 | 225 | 111 | 821 | 482 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,639 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 215 | 4 | 432 | 216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 867 |
| | • | Background | 0 | 10 | 107 | 389 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 772 |
| | | Total | 35 | 322 | 86 | 80 | 267 | 349 | 89 | 518 | 2 | 47 | 692 | 61 | 2,548 |
| | | | | | | | | | | | | | | | |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 49 | 1 | 3 | 31 | 88 | 76 | 290 | 0 | 0 | 362 | 5 | 905 |
| | | Background | 35 | 273 | 85 | 77 | 236 | 261 | 13 | 228 | 2 | 47 | 330 | 56 | 1,643 |
| | | Total | 108 | 205 | 0 | 0 | 161 | 52 | 0 | 0 | 0 | 258 | 1,854 | 85 | 2,723 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 108 | 49 | 0 | 0 | 25 | 6 | 0 | 0 | 0 | 0 | 494 | 1 | 683 |
| | riawaioiri oaccer i doile riigiiway | | | | | | | | | | | | | | |
| | | Background | 0 | 156 | 0 | 0 | 136 | 46 | 0 | 0 | 0 | 258 | 1,360 | 84 | 2,040 |
| | | Total | 0 | 567 | 161 | 144 | 800 | 0 | 62 | 796 | 32 | 0 | 0 | 0 | 2,562 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 153 | 0 | 0 | 25 | 0 | 4 | 400 | 32 | 0 | 0 | 0 | 614 |
| | , | Background | 0 | 414 | 161 | 144 | 775 | 0 | 58 | 396 | 0 | 0 | 0 | 0 | 1,948 |
| | | | | | | | | | | | | | 240 | | |
| | | Total | 0 | 0 | 0 | 233 | 321 | 544 | 0 | 611 | 45 | 39 | | 0 | 2,033 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 294 | 0 | 0 | 67 | 0 | 661 |
| | | Background | 0 | 0 | 0 | 233 | 321 | 244 | 0 | 317 | 45 | 39 | 173 | 0 | 1,372 |
| | | Total | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,497 | 0 | 2,889 |
| 17 | Hawthorn Street / Kettner Boulevard | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 17 | nawinom Street / Keither Boulevard | Airport | | | | | | | | | | | 495 | | 495 |
| | | Background | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,002 | 0 | 2,394 |
| | | Total | 0 | 0 | 0 | 91 | 462 | 0 | 0 | 1,335 | 99 | 0 | 0 | 0 | 1,987 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 388 | 13 | 0 | 0 | 0 | 401 |
| | | Background | 0 | 0 | 0 | 91 | 462 | 0 | 0 | 947 | 86 | 0 | 0 | 0 | 1,586 |
| | | | | | | | | | | | | | | | |
| | | Total | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 430 | 1,055 | 0 | 0 | 0 | 1,751 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 386 | 0 | 0 | 0 | 389 |
| | | Background | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 427 | 669 | 0 | 0 | 0 | 1,362 |
| | | Total | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,455 | 78 | 2,621 |
| 20 | Housthorn Stroot / LE Northhound Off De | | | 0 | | | | | | | | | 2,700 | | ا عن,ے |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | | | | | ^ | ^ | | ^ | | 404 | | 404 |
| | 1 | I Packaround | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 491 | 0 | 491 |
| | | Background | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,964 | 78 | 2,130 |
| | | Total | 45 75 | | | | | | | | | | | | |
| 21 | Laurel Street / India Street | Total | | 43 108 | 0 19 | 0 | 0 | 0 | 0 460 | 0 343 | 0 31 | 0 | 1,964 219 | 78 | 2,130 1,450 |
| 21 | Laurel Street / India Street | Total Airport | 75 31 | 43 108 0 | 0 19 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 460 235 | 0 343 28 | 0 31 31 | 0 0 0 | 1,964 219 37 | 78 195 0 | 2,130 1,450 362 |
| 21 | Laurel Street / India Street | Total Airport Background | 75 31 44 | 43 108 0 108 | 0 19 0 19 | 0 0 0 | 0 0 0 | 0 0 0 | 0 460 235 225 | 0 343 28 315 | 0 31 31 0 | 0 0 0 | 1,964 219 37 182 | 78 195 0 195 | 2,130 1,450 362 1,088 |
| | | Total Airport Background Total | 75 31 44 0 | 43 108 0 108 0 | 0 19 0 19 0 | 0 0 0 0 113 | 0 0 0 0 1,250 | 0 0 0 0 331 | 0 460 235 225 0 | 0 343 28 315 50 | 0 31 31 0 42 | 0 0 0 0 121 | 1,964 219 37 182 84 | 78 195 0 195 0 | 2,130 1,450 362 1,088 1,991 |
| 21 | Laurel Street / India Street Sassafras Street / Kettner Boulevard | Total Airport Background | 75 31 44 | 43 108 0 108 | 0 19 0 19 | 0 0 0 | 0 0 0 | 0 0 0 | 0 460 235 225 | 0 343 28 315 | 0 31 31 0 | 0 0 0 | 1,964 219 37 182 | 78 195 0 195 | 2,130 1,450 362 1,088 |
| | | Total Airport Background Total Airport | 75 31 44 0 | 43 108 0 108 0 0 | 0 19 0 19 0 | 0 0 0 0 113 0 | 0 0 0 0 1,250 300 | 0 0 0 0 331 34 | 0 460 235 225 0 | 0 343 28 315 50 17 | 0 31 31 0 42 17 | 0 0 0 0 121 | 1,964 219 37 182 84 35 | 78 195 0 195 0 | 2,130 1,450 362 1,088 1,991 403 |
| | | Total Airport Background Total Airport Background | 75 31 44 0 0 | 43 108 0 108 0 0 0 | 0 19 0 19 0 0 0 | 0 0 0 0 113 0 113 | 0 0 0 0 1,250 300 950 | 0 0 0 0 331 34 297 | 0 460 235 225 0 0 | 0 343 28 315 50 17 33 | 0 31 31 0 42 17 25 | 0 0 0 0 121 0 121 | 1,964 219 37 182 84 35 49 | 78 195 0 195 0 0 0 | 2,130 1,450 362 1,088 1,991 403 1,588 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport Background Total Airport Background Total Total Total | 75 31 44 0 0 0 193 | 43 108 0 108 0 0 0 0 790 | 0 19 0 19 0 0 0 | 0 0 0 0 113 0 113 | 0 0 0 1,250 300 950 | 0 0 0 0 331 34 297 | 0 460 235 225 0 0 0 | 0 343 28 315 50 17 33 24 | 0 31 31 0 42 17 25 | 0 0 0 0 121 0 121 0 | 1,964 219 37 182 84 35 49 33 | 78 195 0 195 0 0 0 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 |
| | | Total Airport Background Total Airport Background Total Airport Total Airport | 75 31 44 0 0 0 193 67 | 43 108 0 108 0 0 0 0 790 236 | 0 19 0 19 0 0 0 0 | 0 0 0 113 0 113 0 | 0 0 0 1,250 300 950 0 | 0 0 0 0 331 34 297 0 | 0 460 235 225 0 0 0 109 33 | 0 343 28 315 50 17 33 24 0 | 0 31 31 0 42 17 25 50 | 0 0 0 121 0 121 0 | 1,964 219 37 182 84 35 49 33 0 | 78 195 0 195 0 0 0 0 21 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport Background Total Airport Background Total Total Total | 75 31 44 0 0 0 193 | 43 108 0 108 0 0 0 0 790 | 0 19 0 19 0 0 0 | 0 0 0 0 113 0 113 | 0 0 0 1,250 300 950 | 0 0 0 0 331 34 297 | 0 460 235 225 0 0 0 | 0 343 28 315 50 17 33 24 | 0 31 31 0 42 17 25 50 0 | 0 0 0 0 121 0 121 0 | 1,964 219 37 182 84 35 49 33 | 78 195 0 195 0 0 0 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 | 43 108 0 108 0 0 0 0 790 236 554 | 0 19 0 19 0 0 0 0 11 0 | 0 0 0 0 113 0 113 0 0 | 0 0 0 1,250 300 950 0 | 0 0 0 0 331 34 297 0 0 | 0 460 235 225 0 0 0 109 33 76 | 0 343 28 315 50 17 33 24 0 24 | 0 31 31 0 42 17 25 50 0 | 0 0 0 121 0 121 0 0 | 1,964 219 37 182 84 35 49 33 0 | 78 195 0 195 0 0 0 0 21 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 |
| 22 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street | Total Airport Background Total Airport Background Total Total Airport Background Total Airport Background Total | 75 31 44 0 0 0 193 67 126 | 43 108 0 108 0 0 0 0 790 236 554 | 0 19 0 19 0 0 0 0 11 0 | 0 0 0 0 113 0 113 0 0 0 | 0 0 0 1,250 300 950 0 0 | 0 0 0 331 34 297 0 0 0 53 | 0 460 235 225 0 0 0 109 33 76 0 | 0 343 28 315 50 17 33 24 0 24 64 | 0 31 31 0 42 17 25 50 0 50 | 0 0 0 121 0 121 0 0 0 0 | 1,964 219 37 182 84 35 49 33 0 33 154 | 78 195 0 195 0 0 0 0 21 0 21 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport Background Total Airport Background Total Airport Airport Background Total Airport Airport Airport Airport | 75 31 44 0 0 0 193 67 126 0 | 43 108 0 108 0 0 0 0 790 236 554 0 | 0 19 0 19 0 0 0 0 11 0 11 0 | 0 0 0 0 113 0 113 0 0 0 0 185 | 0 0 0 1,250 300 950 0 0 0 32 | 0 0 0 0 331 34 297 0 0 0 53 | 0 460 235 225 0 0 0 109 33 76 0 | 0 343 28 315 50 17 33 24 0 24 64 | 0 31 31 0 42 17 25 50 0 50 37 | 0 0 0 0 121 0 121 0 0 0 0 148 | 1,964 219 37 182 84 35 49 33 0 33 154 26 | 78 195 0 195 0 0 0 21 0 21 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 |
| 22 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 | 43 108 0 108 0 0 0 0 790 236 554 0 0 | 0 19 0 19 0 0 0 0 11 0 11 0 | 0 0 0 0 1113 0 1113 0 0 0 0 185 | 0 0 0 1,250 300 950 0 0 0 32 0 | 0 0 0 0 331 34 297 0 0 0 53 | 0 460 235 225 0 0 0 109 33 76 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 | 0 31 31 0 42 17 25 50 0 50 37 11 26 | 0 0 0 0 121 0 121 0 0 0 0 148 66 | 1,964 219 37 182 84 35 49 33 0 33 154 26 | 78 195 0 195 0 0 0 21 0 21 0 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 |
| 22 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street | Total Airport Background Total Airport Background Total Airport Airport Background Total Airport Airport Airport Airport | 75 31 44 0 0 0 193 67 126 0 | 43 108 0 108 0 0 0 0 790 236 554 0 | 0 19 0 19 0 0 0 0 11 0 11 0 | 0 0 0 0 113 0 113 0 0 0 0 185 | 0 0 0 1,250 300 950 0 0 0 32 | 0 0 0 0 331 34 297 0 0 0 53 | 0 460 235 225 0 0 0 109 33 76 0 | 0 343 28 315 50 17 33 24 0 24 64 | 0 31 31 0 42 17 25 50 0 50 37 | 0 0 0 0 121 0 121 0 0 0 0 148 | 1,964 219 37 182 84 35 49 33 0 33 154 26 | 78 195 0 195 0 0 0 21 0 21 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 |
| 22 23 24 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total | 75 31 44 0 0 0 193 67 126 0 | 43 108 0 108 0 0 0 790 236 554 0 0 | 0 19 0 19 0 0 0 0 11 0 11 0 0 0 | 0 0 0 0 1113 0 1113 0 0 0 185 0 | 0 0 0 0 1,250 300 950 0 0 0 32 0 | 0 0 0 0 331 34 297 0 0 0 53 0 53 | 0 460 235 225 0 0 0 109 33 76 0 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 | 0 0 0 0 121 0 121 0 0 0 0 148 66 82 312 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 | 78 195 0 195 0 0 0 21 0 21 0 0 47 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 |
| 22 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Airport Background Airport Background Airport | 75 31 44 0 0 0 193 67 126 0 0 0 0 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 | 0 19 0 19 0 0 0 0 11 0 11 0 0 0 | 0 0 0 0 113 0 113 0 0 0 185 0 185 26 | 0 0 0 0 1,250 300 950 0 0 0 32 0 | 0 0 0 0 331 34 297 0 0 0 53 0 53 18 | 0 460 235 225 0 0 0 109 33 76 0 0 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 | 0 0 0 0 121 0 121 0 0 0 148 66 82 312 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 | 78 195 0 195 0 0 0 21 0 21 0 0 0 47 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 |
| 22 23 24 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 11 | 0 19 0 19 0 0 0 0 11 0 11 0 0 11 0 0 11 0 0 0 11 0 0 11 0 0 0 0 0 0 11 0 | 0 0 0 0 113 0 113 0 0 0 185 0 185 26 0 | 0 0 0 0 1,250 300 950 0 0 0 32 0 32 6 0 | 0 0 0 0 331 34 297 0 0 0 53 0 53 18 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 | 0 0 0 0 121 0 121 0 0 0 148 66 82 312 84 228 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 | 78 195 0 195 0 0 0 0 21 0 21 0 0 47 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 673 131 542 997 168 829 |
| 22 23 24 25 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total | 75 31 44 0 0 0 193 67 126 0 0 0 0 5 7 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 11 11 258 | 0 19 0 19 0 0 0 0 11 0 11 0 0 0 11 0 0 0 11 0 0 0 11 0 | 0 0 0 0 113 0 0 0 185 0 185 0 26 321 | 0 0 0 1,250 300 950 0 0 32 0 32 6 0 6 | 0 0 0 0 331 34 297 0 0 0 53 0 53 0 18 | 0 460 235 225 0 0 109 33 76 0 0 0 22 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 | 0 0 0 0 121 0 0 0 148 66 82 312 84 228 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 | 78 195 0 195 0 0 0 21 0 21 0 0 47 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 |
| 22 23 24 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 11 | 0 19 0 19 0 0 0 0 11 0 11 0 0 11 0 0 11 0 0 0 11 0 0 11 0 0 0 0 0 0 11 0 | 0 0 0 0 113 0 113 0 0 0 185 0 185 26 0 | 0 0 0 0 1,250 300 950 0 0 0 32 0 32 6 0 | 0 0 0 0 331 34 297 0 0 0 53 0 53 18 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 | 0 0 0 0 121 0 0 0 148 66 82 312 84 228 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 | 78 195 0 195 0 0 0 0 21 0 21 0 0 47 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 673 131 542 997 168 829 |
| 22 23 24 25 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Total Airport | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 58 0 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 111 0 112 258 64 | 0 19 0 19 0 0 0 0 11 0 0 0 0 11 17 49 68 103 13 | 0 0 0 1113 0 1113 0 0 185 0 185 26 0 26 321 0 | 0 0 0 1,250 300 950 0 0 32 0 32 6 0 6 375 | 0 0 0 0 331 34 297 0 0 53 0 53 18 0 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 0 22 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 | 0 0 0 121 0 121 0 0 148 66 82 312 84 228 0 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 | 78 195 0 195 0 0 0 21 0 21 0 0 0 47 0 47 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 |
| 22 23 24 25 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 0 193 67 126 0 0 0 65 7 58 0 | 43 108 0 108 0 0 0 0 790 236 554 0 0 0 111 0 11258 64 | 0 19 0 0 0 0 0 11 0 0 0 0 11 0 0 0 0 11 0 0 0 0 11 0 | 0 0 0 1113 0 1113 0 0 185 0 185 26 0 26 321 0 | 0 0 0 1,250 300 950 0 0 32 6 0 6 375 75 | 0 0 0 0 331 34 297 0 0 0 53 18 0 18 0 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 0 22 0 354 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 0 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 | 0 0 0 121 0 121 0 0 148 66 82 312 84 228 0 | 1,964 219 37 182 84 35 49 33 154 26 128 143 0 143 0 | 78 195 0 195 0 0 0 21 0 0 21 0 0 47 0 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 11,545 |
| 22 23 24 25 26 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 0 193 67 126 0 0 0 0 65 7 58 0 0 | 43 108 0 0 0 0 0 0 0 790 236 554 0 0 0 11 1258 64 194 579 | 0 19 0 0 0 0 0 0 11 0 0 0 11 0 0 0 11 0 0 0 11 0 0 0 11 0 | 0 0 0 1113 0 113 0 0 0 185 0 185 0 26 321 0 321 0 | 0 0 0 1,250 300 950 0 0 0 32 0 32 6 0 6 375 75 300 539 | 0 0 0 0 331 34 297 0 0 0 53 0 53 0 18 0 0 0 | 0 460 235 225 0 0 0 0 109 33 76 0 0 0 22 22 354 0 | 0 343 28 315 50 17 33 24 64 28 36 0 0 0 165 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 | 0 0 0 121 0 121 0 0 0 148 66 82 312 84 228 0 0 | 1,964 219 37 182 84 35 49 33 154 26 128 143 0 0 143 0 | 78 195 0 195 0 0 0 21 0 0 0 47 0 0 47 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 673 131 542 997 168 829 1,706 161 1,545 2,133 |
| 22 23 24 25 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 75 31 44 0 0 0 193 67 126 0 0 0 0 65 7 7 58 0 0 | 43 108 0 0 0 0 0 0 0 0 236 554 0 0 0 0 11 0 11 258 64 194 579 51 | 0 19 0 0 0 0 0 0 11 0 0 0 117 49 68 103 13 90 0 | 0 0 0 1113 0 1113 0 0 185 0 185 26 321 0 321 0 | 0 0 0 1,250 300 950 0 0 0 32 6 0 6 375 75 300 950 | 0 0 0 0 331 34 297 0 0 0 53 18 0 0 0 53 18 0 0 0 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 0 22 354 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 0 0 165 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 0 | 0 0 0 0 121 0 0 121 0 0 0 148 66 82 312 84 228 0 0 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 0 | 78 195 0 0 195 0 0 21 0 21 0 47 0 47 0 0 7 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 |
| 22 23 24 25 26 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 75 31 44 0 0 0 0 193 67 126 0 0 0 0 65 7 58 0 0 | 43 108 0 0 0 0 0 0 0 790 236 554 0 0 0 11 1258 64 194 579 | 0 19 0 0 0 0 0 0 11 0 0 0 11 0 0 0 11 0 0 0 11 0 0 0 11 0 | 0 0 0 1113 0 113 0 0 0 185 0 185 0 26 321 0 321 0 | 0 0 0 1,250 300 950 0 0 0 32 0 32 6 0 6 375 75 300 539 | 0 0 0 0 331 34 297 0 0 0 53 0 53 0 18 0 0 0 | 0 460 235 225 0 0 0 0 109 33 76 0 0 0 22 22 354 0 | 0 343 28 315 50 17 33 24 64 28 36 0 0 0 165 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 | 0 0 0 121 0 121 0 0 0 148 66 82 312 84 228 0 0 | 1,964 219 37 182 84 35 49 33 154 26 128 143 0 0 143 0 | 78 195 0 195 0 0 0 21 0 0 0 47 0 0 47 0 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 673 131 542 997 168 829 1,706 161 1,545 2,133 |
| 22 23 24 25 26 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 65 7 58 0 0 0 | 43 108 0 0 0 0 0 0 790 236 554 0 0 0 11 0 11 258 64 194 579 51 528 | 0 19 0 0 0 0 0 11 0 0 0 117 49 68 103 13 90 0 | 0 0 0 1113 0 1113 0 0 0 0 185 26 0 26 321 0 321 0 | 0 0 0 1,250 300 950 0 0 32 6 0 332 6 0 6 375 75 300 539 67 | 0 0 0 0 0 331 34 297 0 0 0 53 18 0 0 53 18 0 0 53 18 0 0 53 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 225 0 0 0 109 33 76 0 0 0 22 0 22 354 0 0 | 0 343 28 315 50 17 33 24 0 24 64 28 36 0 0 0 165 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 0 | 0 0 0 0 121 0 0 0 148 66 82 312 84 228 0 0 0 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 204 | 78 195 0 0 195 0 0 21 0 0 21 0 0 47 0 0 7 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 161 1,545 2,133 140 |
| 22 23 24 25 26 27 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 65 7 58 0 0 0 94 13 81 | 43 108 0 0 108 0 0 0 790 236 554 0 0 0 11 1258 64 194 579 51 528 148 | 0 19 0 19 0 0 0 11 0 0 0 11 0 0 0 0 0 11 0 0 0 0 | 0 0 0 1113 0 1113 0 0 185 0 185 26 321 0 0 321 0 | 0 0 0 1,250 300 950 0 0 0 32 0 32 6 6 375 300 539 67 472 145 | 0 0 0 0 0 3331 34 297 0 0 0 0 53 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 225 0 0 109 33 76 0 0 0 22 2 354 0 0 | 0 343 28 315 50 17 33 24 0 24 28 36 0 0 165 0 0 165 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 230 9 9 121 0 0 | 0 0 0 0 121 0 121 0 0 0 148 66 82 312 84 228 0 0 0 174 9 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 0 0 204 0 204 147 | 78 195 0 195 0 0 21 0 0 21 0 0 47 0 0 7 0 7 86 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,542 1,233 1,740 1,74 |
| 22 23 24 25 26 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 58 0 0 0 0 9 4 13 8 13 8 13 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 43 108 0 0 108 0 0 0 790 236 554 0 0 0 11 258 64 1194 579 51 528 148 2 | 0 19 0 19 0 0 0 11 0 0 11 0 0 0 0 0 11 11 0 | 0 0 0 1113 0 113 0 0 0 185 0 185 26 0 26 321 0 321 0 0 | 0 0 0 1,250 300 0 0 0 0 32 0 32 6 0 6 375 75 300 67 472 1445 3 | 0 0 0 0 331 34 297 0 0 0 53 18 0 0 0 18 0 0 53 18 0 0 0 53 18 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 0 0 0 109 33 76 0 0 0 22 354 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 343 28 315 50 17 33 24 0 24 64 64 28 36 0 0 165 0 0 165 0 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 0 0 | 0 0 0 0 121 0 0 0 0 148 66 82 312 84 228 0 0 174 9 165 301 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 204 0 204 | 78 195 0 0 195 0 0 21 0 21 0 47 0 0 47 0 0 7 86 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 140 1,993 1,783 |
| 22 23 24 25 26 27 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 65 7 58 0 0 0 94 13 81 | 43 108 0 0 108 0 0 0 790 236 554 0 0 0 11 1258 64 194 579 51 528 148 | 0 19 0 19 0 0 0 11 0 0 0 11 0 0 0 0 0 11 0 0 0 0 | 0 0 0 113 0 113 0 0 185 0 185 26 0 26 0 321 0 0 0 99 | 0 0 0 1,250 300 950 0 0 0 32 0 32 6 6 375 300 539 67 472 145 | 0 0 0 0 0 3331 34 297 0 0 0 0 53 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 225 0 0 109 33 76 0 0 0 22 0 22 354 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 343 28 315 50 17 33 24 0 24 28 36 0 0 165 0 0 165 0 | 0 31 31 0 42 177 25 50 0 37 11 26 230 28 202 130 9 121 0 0 0 143 | 0 0 0 121 0 121 0 0 148 66 82 228 0 0 0 174 9 165 301 10 291 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 0 0 204 0 204 147 | 78 195 0 0 195 0 0 21 0 21 0 47 0 0 7 7 86 0 86 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 140 1,993 1,783 27 |
| 22 23 24 25 26 27 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 58 0 0 0 0 9 4 13 8 13 8 13 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 43 108 0 0 108 0 0 0 790 236 554 0 0 0 11 258 64 1194 579 51 528 148 2 | 0 19 0 19 0 0 0 11 0 0 11 0 0 0 0 0 11 11 0 | 0 0 0 1113 0 113 0 0 0 185 0 185 26 0 26 321 0 321 0 0 | 0 0 0 1,250 300 0 0 0 0 32 0 32 6 0 6 375 75 300 67 472 1445 3 | 0 0 0 0 331 34 297 0 0 0 53 18 0 0 0 18 0 0 53 18 0 0 0 53 18 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 0 0 0 109 33 76 0 0 0 22 354 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 343 28 315 50 17 33 24 0 24 64 64 28 36 0 0 165 0 0 165 0 0 | 0 31 31 0 42 17 25 50 0 50 37 11 26 230 28 202 130 9 121 0 0 | 0 0 0 0 121 0 0 0 0 148 66 82 312 84 228 0 0 174 9 165 301 | 1,964 219 37 182 84 35 49 33 0 33 154 26 128 143 0 0 0 0 204 0 204 | 78 195 0 0 195 0 0 21 0 21 0 47 0 0 47 0 0 7 86 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 140 1,993 1,783 27 |
| 22 23 24 25 26 27 28 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 58 0 0 0 0 85 0 0 0 0 0 0 0 0 0 0 0 0 0 | 43 108 0 0 108 0 0 0 0 0 0 0 236 554 0 0 0 11 258 64 194 579 51 528 148 2 146 110 | 0 19 0 0 0 0 0 0 11 0 0 0 11 0 0 0 11 17 49 68 103 13 90 0 0 0 | 0 0 0 0 1113 0 0 185 0 185 26 0 26 321 0 0 99 0 99 | 0 0 0 0 1,250 0 0 0 0 32 0 0 32 6 0 6 375 75 75 300 67 472 145 3 142 124 | 0 0 0 0 3331 34 297 0 0 0 53 18 0 0 0 0 53 18 0 0 0 0 0 53 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 460 235 225 0 0 0 109 33 76 0 0 22 0 22 354 0 0 0 0 22 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 343 28 315 50 17 33 24 64 28 36 0 0 165 0 165 0 173 1 172 639 | 0 311 0 422 177 255 50 0 0 50 37 111 26 230 28 202 130 9 121 0 0 0 143 0 | 0 0 0 0 121 0 0 121 0 0 0 148 66 82 312 84 0 0 0 174 9 165 301 10 291 110 | 1,964 219 37 182 84 33 35 49 33 154 26 128 143 0 0 0 204 0 204 0 204 147 2 2 145 637 | 78 195 0 0 195 0 0 21 0 0 21 0 0 47 0 7 0 7 86 0 86 40 | 2,130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 140 1,933 1,783 2,783 2,78 |
| 22 23 24 25 26 27 | Sassafras Street / Kettner Boulevard Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Background Total Airport Background | 75 31 44 0 0 0 193 67 126 0 0 0 65 7 58 0 0 0 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 43 108 0 0 108 0 0 0 790 236 554 0 0 0 11 258 64 194 571 528 148 2 | 0 19 0 0 19 0 0 0 11 0 0 0 11 0 0 0 117 49 68 103 13 90 0 0 | 0 0 0 113 0 113 0 0 185 0 185 26 0 26 0 321 0 0 0 99 | 0 0 0 0 1,250 300 0 0 0 32 0 32 0 6 6 375 75 300 539 67 472 1445 3 | 0 0 0 0 0 3311 34 297 0 0 0 53 0 18 0 0 0 0 0 0 0 0 53 0 0 0 0 0 0 0 0 0 0 | 0 460 235 225 0 0 109 33 76 0 0 0 22 0 22 354 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 343 28 315 50 17 33 24 0 4 64 28 36 0 0 165 0 0 165 0 0 | 0 31 31 0 42 177 25 50 0 37 11 26 230 28 202 130 9 121 0 0 0 143 | 0 0 0 121 0 121 0 0 148 66 82 228 0 0 0 174 9 165 301 10 291 | 1,964 219 37 182 84 35 49 33 0 154 26 128 143 0 0 0 204 0 204 147 2 | 78 195 0 0 195 0 0 21 0 21 0 47 0 0 7 7 86 0 86 | 2.130 1,450 362 1,088 1,991 403 1,588 1,231 336 895 673 131 542 997 168 829 1,706 161 1,545 2,133 140 1,993 1,783 27 |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-81 2010 Intersection Turning Volumes – PM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | Alteri | iative (| | · u | 9 | U | aota | . ~, | | | | | | | |
|--------|---|------------|-----|-------|-----|----------|----------|------|-------|-------|-------|---------|-------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| 111(11 | | Total | 0 | 0 | 0 | 454 | 0 | 56 | 36 | 562 | 0 | 14 | 584 | 765 | 2,471 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 150 | 0 | 0 | 0 | 27 | 0 | 0 | 31 | 163 | 371 |
| | Notal Harbor Brive / Nimitz Briva | Background | 0 | 0 | 0 | 304 | 0 | 56 | 36 | 535 | 0 | 14 | 553 | 602 | 2,100 |
| | | Total | 0 | 0 | 0 | 421 | 0 | 153 | 32 | 919 | 0 | 0 | 1,050 | 151 | 2,726 |
| 2 | North Harbor Drive / McCain St | | 0 | 0 | 0 | 84 | 0 | 11 | 7 | 170 | 0 | 0 | 183 | 101 | 556 |
| 2 | Notti Halboi Brive / Nicoaiii St | Airport | 0 | 0 | 0 | 337 | 0 | 142 | 25 | 749 | 0 | 0 | 867 | | |
| | | Background | 7 | | | | | | | | 18 | | | 50 | 2,170 |
| | Month Hoston Dates (Occasion Location | Total | | 0 | 25 | 23 | 0 | 85 | 56 | 1,603 | | 5 | 1,159 | 0 | 2,981 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 85 | 56 | 199 | 0 | 0 | 198 | 0 | 561 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,404 | 18 | 5 | 961 | 0 | 2,420 |
| | | Total | 153 | 2 | 330 | 21 | 4 | 42 | 27 | 1,501 | 122 | 466 | 1,284 | 0 | 3,952 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 2 | 55 | 21 | 4 | 42 | 27 | 175 | 20 | 59 | 460 | 0 | 876 |
| | | Background | 142 | 0 | 275 | 0 | 0 | 0 | 0 | 1,326 | 102 | 407 | 824 | 0 | 3,076 |
| | | Total | 0 | 0 | 0 | 314 | 0 | 81 | 119 | 1,733 | 0 | 0 | 1,817 | 0 | 4,064 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 314 | 0 | 81 | 119 | 132 | 0 | 0 | 585 | 0 | 1,231 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | | Total | 74 | 0 | 83 | 56 | 0 | 22 | 20 | 2,581 | 74 | 86 | 2,142 | 44 | 5,182 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 83 | 56 | 0 | 22 | 20 | 980 | 74 | 86 | 910 | 44 | 2,349 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | | Total | 23 | 408 | 0 | 0 | 524 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,129 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 68 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 |
| - | | Background | 23 | 340 | 0 | 0 | 440 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 977 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 95 | 0 | 0 | 126 | 1 | 345 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 15 | 0 | 0 | 13 | 1 | 152 |
| o | Employee Lot / Harbor Island Brive | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 113 | 0 | 193 |
| | | Background | | | 353 | 125 | 949 | 8 | 13 | | 91 | 165 | 110 | 44 | 2,959 |
| | Connefron Ctreat / Desifie Historia | Total | 63 | 856 | | | | | | 182 | | | | | |
| 9 | Sassafras Street / Pacific Highway | Airport | 63 | 72 | 0 | 0 | 65 | 8 | 13 | 182 | 91 | 0 | 110 | 0 | 604 |
| | | Background | 0 | 784 | 353 | 125 | 884 | 0 | 0 | 0 | 0 | 165 | 0 | 44 | 2,355 |
| 40 | Laurel Obsert (N. W. C. C. | Total | 0 | 0 | 0 | 72 | 0 | 11 | 1,109 | 1,910 | 0 | 0 | 1,605 | 105 | 4,812 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 411 | 709 | 0 | 0 | 654 | 0 | 1,774 |
| | | Background | 0 | 0 | 0 | 72 | 0 | 11 | 698 | 1,201 | 0 | 0 | 951 | 105 | 3,038 |
| | | Total | 0 | 583 | 0 | 0 | 2,081 | 0 | 0 | 0 | 0 | 133 | 0 | 1,053 | 3,850 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 172 | 0 | 0 | 709 | 0 | 0 | 0 | 0 | 5 | 0 | 482 | 1,368 |
| | | Background | 0 | 411 | 0 | 0 | 1,372 | 0 | 0 | 0 | 0 | 128 | 0 | 571 | 2,482 |
| | | Total | 0 | 642 | 268 | 1,144 | 1,094 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,148 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 172 | 7 | 471 | 244 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 894 |
| | · | Background | 0 | 470 | 261 | 673 | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,254 |
| | | Total | 111 | 605 | 146 | 139 | 481 | 369 | 471 | 689 | 58 | 51 | 793 | 78 | 3,991 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 46 | 1 | 7 | 67 | 82 | 84 | 327 | 0 | 0 | 304 | 5 | 923 |
| | | Background | 111 | 559 | 145 | 132 | 414 | 287 | 387 | 362 | 58 | 51 | 489 | 73 | 3,068 |
| | | Total | 122 | 593 | 0 | 0 | 558 | 49 | 0 | 0 | 0 | 147 | 1,028 | 83 | 2,580 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 87 | 46 | 0 | 0 | 62 | 5 | 0 | 0 | 0 | 0 | 395 | 1 | 596 |
| | Transfer Subset / Lasine Frighting | Background | 35 | 547 | 0 | 0 | 496 | 44 | 0 | 0 | 0 | 147 | 633 | 82 | 1,984 |
| | | Total | 0 | 663 | 448 | 237 | 543 | 0 | 51 | 1,593 | 28 | 0 | 0 | 0 | 3,563 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 126 | 0 | 1 | 62 | 0 | 7 | 443 | 28 | 0 | 0 | 0 | 667 |
| 15 | Grape Street / Facility Tightway | Background | 0 | 537 | 448 | 236 | 481 | 0 | 44 | 1,150 | 0 | 0 | 0 | 0 | 2,896 |
| | | | 0 | 0 | 0 | | | 577 | 0 | | 79 | | 290 | 0 | |
| 16 | Laurel Street / Kettner Boulevard | Total | 0 | 0 | 0 | 282 | 601 0 | | 0 | 870 | 0 | 54 0 | | 0 | 2,753 |
| 16 | Laurer Street / Rettrier Boulevard | Airport | | | | | | 240 | | 334 | _ | | 69 | | 643 |
| | | Background | 0 | 0 | 0 | 282 | 601 | 337 | 0 | 536 | 79 | 54 | 221 | 0 | 2,110 |
| | | Total | 0 | 0 | 0 | 0 | 401 | 72 | 0 | 0 | 0 | 192 | 1,378 | 0 | 2,043 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 396 | 0 | 397 |
| | | Background | 0 | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 982 | 0 | 1,646 |
| | | Total | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 3,108 | 93 | 0 | 0 | 0 | 3,909 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 429 | 14 | 0 | 0 | 0 | 443 |
| | | Background | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 2,679 | 79 | 0 | 0 | 0 | 3,466 |
| | | Total | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 532 | 2,067 | 0 | 0 | 0 | 3,093 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 426 | 0 | 0 | 0 | 429 |
| | | Background | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 529 | 1,641 | 0 | 0 | 0 | 2,664 |
| | | Total | 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,484 | 61 | 1,638 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393 | 0 | 393 |
| | | Background | 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,091 | 61 | 1,245 |
| | | Total | 84 | 290 | 86 | 0 | 0 | 0 | 655 | 499 | 40 | 0 | 273 | 267 | 2,194 |
| 21 | Laurel Street / India Street | Airport | 40 | 0 | 0 | 0 | 0 | 0 | 260 | 34 | 40 | 0 | 30 | 0 | 404 |
| | | Background | 44 | 290 | 86 | 0 | 0 | 0 | 395 | 465 | 0 | 0 | 243 | 267 | 1,790 |
| | | Total | 0 | 0 | 0 | 186 | 1,735 | 257 | 0 | 213 | 99 | 85 | 87 | 0 | 2,662 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 240 | 32 | 0 | 56 | 56 | 0 | 33 | 0 | 417 |
| | | Background | 0 | 0 | 0 | 186 | 1,495 | 225 | 0 | 157 | 43 | 85 | 54 | 0 | 2,245 |
| | | Total | 179 | 1,327 | 31 | 0 | 0 | 0 | 302 | 60 | 110 | 0 | 14 | 17 | 2,040 |
| 23 | Sassafras Street / India Street | Airport | 55 | 260 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 405 |
| | | Background | 124 | 1,067 | 31 | 0 | 0 | 0 | 212 | 60 | 110 | 0 | 14 | 17 | 1,635 |
| | | Total | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 223 | 51 | 199 | 80 | 0 | 1,100 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 53 | 46 | 0 | 136 |
| | | Background | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 196 | 41 | 146 | 34 | 0 | 964 |
| | | Total | 37 | 25 | 199 | 57 | 55 | 7 | 55 | 14 | 592 | 327 | 207 | 59 | 1,634 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 13 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 27 | 86 | 0 | 0 | 187 |
| 20 | vvasinington otreet / r abilit highway No-Namps (1) | Background | 24 | 25 | 138 | 57 | 55 | 7 | 55 | 14 | 565 | 241 | 207 | 59 | 1,447 |
| | | Total | 0 | 652 | 157 | 343 | 379 | 0 | 555 | 331 | 155 | 0 | 0 | 0 | 2,572 |
| 26 | Washington Street / Hancock Street | | | | 13 | | | | 0 | | | | | | |
| 20 | washington Street / Haricock Street | Airport | 0 | 75 | | 0 | 70 | 0 | | 0 | 16 | 0 | 0 | 0 | 174 |
| | | Background | 0 | 577 | 144 | 343 | 309 | 0 | 555 | 331 | 139 | 0 | 0 | 0 | 2,398 |
| 0- | Washington Otanat (O. B) | Total | 187 | 1,152 | 0 | 0 | 572 | 489 | 0 | 0 | 0 | 185 | 276 | 17 | 2,878 |
| 27 | Washington Street / San Diego Avenue | Airport | 12 | 62 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 145 |
| | | Background | 175 | 1,090 | 0 | 0 | 517 | 489 | 0 | 0 | 0 | 169 | 276 | 17 | 2,733 |
| _ | | Total | 351 | 287 | 636 | 120 | 139 | 67 | 111 | 459 | 170 | 246 | 304 | 129 | 3,019 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 2 | 0 | 0 | 1 | 0 | 8 | 1 | 0 | 25 |
| | | Background | 351 | 284 | 626 | 120 | 137 | 67 | 111 | 458 | 170 | 238 | 303 | 129 | 2,994 |
| | | Total | 18 | 192 | 109 | 30 | 102 | 30 | 332 | 812 | 33 | 172 | 653 | 53 | 2,536 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 74 | 89 | 0 | 68 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 313 |
| | | Background | 18 | 118 | 20 | 30 | 34 | 30 | 332 | 812 | 33 | 90 | 653 | 53 | 2,223 |
| | 3 2007 | | | | | | | | | | | | | | |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebI2 ebl

Table D-82 2015 Intersection Turning Volumes – AM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | Aiteri | iative (| | Гаі | riiiy | Sut | uctu | 1 <i>5)</i> | | | | | | | |
|----------|--|--|-----------------------------|------------------------|-----------------------|-----------------------|------------------------|---------------------|----------------------|------------------------|-----------------------|-------------------------|------------------------|---------------------|-------------------------------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| 1110 # | | Total | 0 | 0 | 0 | 603 | 0 | 22 | 13 | 519 | 0 | 8 | 681 | 341 | 2,187 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 217 | 0 | 0 | 0 | 39 | 0 | 0 | 30 | 172 | 458 |
| | Notarriandor Brive / Nimite Biva | Background | 0 | 0 | 0 | 386 | 0 | 22 | 13 | 480 | 0 | 8 | 651 | 169 | 1,729 |
| | | Total | 0 | 0 | 0 | 136 | 0 | 34 | 185 | 659 | 0 | 0 | 889 | 496 | 2,399 |
| 2 | North Harbor Drive / McCain St | | 0 | 0 | 0 | 59 | 0 | 5 | 103 | 245 | 0 | 0 | 197 | 140 | 656 |
| 2 | Notti Halboi Brive / Nicoaiii St | Airport | 0 | 0 | 0 | 77 | 0 | 29 | | | 0 | 0 | | | |
| | | Background | | | | | | | 175 | 414 | | | 692 | 356 | 1,743 |
| | North Hoston Drive / Oceanists Londing | Total | 5 | 0 | 18 | 23 | 0 | 120 | 81 | 788 | 5 | 16 | 1,616 | 0 | 2,672 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 120 | 81 | 223 | 0 | 0 | 217 | 0 | 664 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 565 | 5 | 16 | 1,399 | 0 | 2,008 |
| | | Total | 42 | 3 | 152 | 19 | 5 | 41 | 38 | 704 | 88 | 243 | 2,003 | 0 | 3,338 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 10 | 3 | 43 | 19 | 5 | 41 | 38 | 186 | 23 | 69 | 620 | 0 | 1,057 |
| | | Background | 32 | 0 | 109 | 0 | 0 | 0 | 0 | 518 | 65 | 174 | 1,383 | 0 | 2,281 |
| | | Total | 0 | 0 | 0 | 359 | 0 | 98 | 148 | 727 | 0 | 0 | 2,359 | 0 | 3,691 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 359 | 0 | 98 | 148 | 100 | 0 | 0 | 802 | 0 | 1,507 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 0 | 0 | 1,557 | 0 | 2,184 |
| | | Total | 63 | 0 | 50 | 39 | 0 | 19 | 25 | 1,714 | 78 | 133 | 2,815 | 74 | 5,010 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 63 | 0 | 50 | 39 | 0 | 19 | 25 | 1,087 | 78 | 133 | 1,258 | 74 | 2,826 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 0 | 0 | 1,557 | 0 | 2,184 |
| | | Total | 13 | 113 | 0 | 0 | 237 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 580 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 56 | 0 | Ö | 97 | 0 | 0 | 0 | 0 | 0 | Ö | ő | 153 |
| | Choracon Flandor Island Brive | Background | 13 | 57 | 0 | 0 | 140 | 99 | 85 | 6 | 27 | 0 | Ö | Ö | 427 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 95 | 0 | 0 | 69 | 1 | 285 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 15 | 0 | 0 | 19 | 1 | 155 |
| 0 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 50 | 0 | 130 |
| | 0 | Total | 78 | 592 | 86 | 56 | 651 | 11 | 5 | 76 | 48 | 248 | 152 | 65 | 2,068 |
| 9 | Sassafras Street / Pacific Highway | Airport | 78 | 73 | 0 | 0 | 94 | 11 | 5 | 76 | 48 | 0 | 152 | 0 | 537 |
| | | Background | 0 | 519 | 86 | 56 | 557 | 0 | 0 | 0 | 0 | 248 | 0 | 65 | 1,531 |
| | | Total | 0 | 0 | 0 | 26 | 0 | 4 | 450 | 1,195 | 0 | 0 | 1,966 | 39 | 3,680 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 430 | 747 | 0 | 0 | 941 | 0 | 2,118 |
| | | Background | 0 | 0 | 0 | 26 | 0 | 4 | 20 | 448 | 0 | 0 | 1,025 | 39 | 1,562 |
| | | Total | 0 | 315 | 0 | 0 | 1,127 | 0 | 0 | 0 | 0 | 87 | 0 | 2,061 | 3,590 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 247 | 0 | 0 | 747 | 0 | 0 | 0 | 0 | 8 | 0 | 694 | 1,696 |
| | | Background | 0 | 68 | 0 | 0 | 380 | 0 | 0 | 0 | 0 | 79 | 0 | 1,367 | 1,894 |
| | | Total | 0 | 257 | 110 | 875 | 508 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,750 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 247 | 7 | 503 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,010 |
| | Ciapo Cadoti Motal Marbol Billo | Background | 0 | 10 | 103 | 372 | 255 | 0 | 0 | 0 | 0 | 0 | Ö | ő | 740 |
| | | Total | 41 | 381 | 107 | 97 | 321 | 414 | 102 | 585 | 2 | 52 | 779 | 66 | 2,947 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 58 | 6 | 4 | 37 | 101 | 88 | 343 | 0 | 1 | 422 | 6 | 1,066 |
| 15 | Laurer Street / Facility Highway | Background | 41 | 323 | 101 | 93 | 284 | 313 | 14 | 242 | 2 | 51 | 357 | 60 | 1,881 |
| | | Total | 124 | 245 | 0 | 0 | 190 | 63 | 0 | 0 | 0 | 267 | 1,975 | 91 | 2,955 |
| 4.4 | Haustharn Ctract / Danific Highway | | | | | 0 | 29 | | | 0 | 0 | | | 4 | |
| 14 | Hawthorn Street / Pacific Highway | Airport | 124 | 60 | 0 | | | 8 | 0 | | | 0 | 570 | | 795 |
| | | Background | 0 | 185 | 0 | 0 170 | 161 | 55 | 0 | 0 | 0 37 | 267 | 1,405 | 87 | 2,160 |
| 45 | O Ott / Dif History | Total | 0 | 642 | 182 | | 946 | 0 | 70 7 | 892 | | 0 | 0 | 0 | 2,939 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 177 | 0 | 0 | 29 | 0 | | 466 | 37 | 0 | 0 | 0 | 716 |
| | | Background | 0 | 465 | 182 | 170 | 917 | 0 | 63 | 426 | 0 | 0 | 0 | 0 | 2,223 |
| | | Total | 0 | 0 | 0 | 261 | 355 | 615 | 0 | 695 | 49 | 46 | 279 | 0 | 2,300 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 0 | 346 | 0 | 352 | 0 | 2 | 83 | 0 | 787 |
| | | Background | 0 | 0 | 0 | 257 | 355 | 269 | 0 | 343 | 49 | 44 | 196 | 0 | 1,513 |
| | | Total | 0 | 0 | 0 | 0 | 171 | 90 | 0 | 0 | 0 | 173 | 2,792 | 0 | 3,226 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 576 |
| | | Background | 0 | 0 | 0 | 0 | 169 | 90 | 0 | 0 | 0 | 173 | 2,218 | 0 | 2,650 |
| | | Total | 0 | 0 | 0 | 105 | 524 | 0 | 0 | 1,433 | 104 | 0 | 0 | 0 | 2,166 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 452 | 15 | 0 | 0 | 0 | 469 |
| | | Background | 0 | 0 | 0 | 103 | 524 | 0 | 0 | 981 | 89 | 0 | 0 | 0 | 1,697 |
| | | Total | 77 | 102 | 87 | 0 | 0 | 0 | 43 | 437 | 1,131 | 0 | 0 | 0 | 1,877 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 451 | 0 | 0 | 0 | 454 |
| | , | Background | 77 | 102 | 87 | 0 | 0 | 0 | 43 | 434 | 680 | 0 | 0 | 0 | 1,423 |
| | | Total | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,521 | 77 | 2,692 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 570 | 0 | 570 |
| | p | Background | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,951 | 77 | 2,122 |
| | | Total | 97 | 135 | 23 | 0 | 0 | 0 | 526 | 386 | 50 | 0 | 258 | 231 | 1,706 |
| 21 | Laurel Street / India Street | Airport | 43 | 2 | 0 | 0 | 0 | 0 | 274 | 33 | 50 | 0 | 42 | 0 | 444 |
| -1 | Laurer Orrect / Illula Orrect | Background | 54 | 133 | 23 | 0 | 0 | 0 | 252 | 353 | 0 | 0 | 216 | 231 | 1,262 |
| | | Total | 0 | 0 | 0 | 115 | 1,318 | 347 | 0 | 60 | 52 | 139 | 101 | 0 | 2,132 |
| 22 | Sassafras Street / Kettner Boulevard | | 0 | 0 | 0 | 0 | | 34 <i>1</i> 44 | 0 | 22 | 22 | 0 | 45 | 0 | 483 |
| 22 | Sassairas Street / Rettrier Boulevard | Airport | | | | | 350 | | | | | | | | |
| | | Background | 0 | 0 | 0 | 115 | 968 | 303 | 0 | 38 | 30 | 139 | 56 | 0 | 1,649 |
| | | Total | 223 | 919 | 12 | 0 | 0 | 0 | 125 | 28 | 58 | 0 | 34 | 22 | 1,421 |
| 23 | Sassafras Street / India Street | Airport | 76 | 276 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 390 |
| | | Background | 147 | 643 | 12 | 0 | 0 | 0 | 87 | 28 | 58 | 0 | 34 | 22 | 1,031 |
| | | Total | 0 | 0 | 0 | 200 | 35 | 57 | 0 | 76 | 42 | 164 | 174 | 0 | 748 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 15 | 76 | 36 | 0 | 166 |
| | | Background | 0 | 0 | 0 | 200 | 35 | 57 | 0 | 37 | 27 | 88 | 138 | 0 | 582 |
| | | Total | 94 | 16 | 155 | 29 | 7 | 20 | 24 | 0 | 258 | 359 | 162 | 53 | 1,177 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 10 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 39 | 101 | 0 | 0 | 207 |
| | | Background | 84 | 16 | 98 | 29 | 7 | 20 | 24 | 0 | 219 | 258 | 162 | 53 | 970 |
| | | Total | 0 | 297 | 120 | 351 | 417 | 0 | 358 | 167 | 134 | 0 | 0 | 0 | 1,844 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 78 | 18 | 0 | 89 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 197 |
| | - | Background | Ö | 219 | 102 | 351 | 328 | 0 | 358 | 167 | 122 | 0 | 0 | ő | 1,647 |
| | | Total | 107 | 637 | 0 | 0 | 564 | 553 | 0 | 0 | 0 | 194 | 225 | 8 | 2,288 |
| | | | 18 | 59 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 166 |
| 27 | Washington Street / San Diego Avenue | Airnort | | | | | | | | | | | | | 2,122 |
| 27 | Washington Street / San Diego Avenue | Airport | | 572 | Λ. | n 0 | | | | | | | 225 | | |
| 27 | Washington Street / San Diego Avenue | Background | 89 | 578 177 | 0 | 116 | 487 | 553 | 63 | 183 | 151 | 182 | 225 | 8 | |
| | | Background Total | 89 237 | 177 | 261 | 116 | 170 | 72 | 63 | 183 | 151 | 314 | 153 | 89 | 1,986 |
| 27 28 | Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Background Total Airport | 89 237 0 | 177 3 | 261 9 | 116 0 | 170 3 | 72 1 | 63 0 | 183 1 | 151 0 | 314 12 | 153 2 | 89 0 | 1,986 31 |
| | | Background Total Airport Background | 89 237 0 237 | 177 3 174 | 261 9 252 | 116 0 116 | 170 3 167 | 72 1 71 | 63 0 63 | 183 1 182 | 151 0 151 | 314 12 302 | 153 2 151 | 89 0 89 | 1,986 31 1,955 |
| 28 | Rosecrans Street / Pacific Highway | Background Total Airport Background Total | 89 237 0 237 16 | 177 3 174 121 | 261 9 252 99 | 116 0 116 14 | 170 3 167 112 | 72 1 71 15 | 63 0 63 155 | 183 1 182 671 | 151 0 151 30 | 314 12 302 125 | 153 2 151 627 | 89 0 89 40 | 1,986 31 1,955 2,025 |
| | | Background Total Airport Background | 89 237 0 237 | 177 3 174 | 261 9 252 | 116 0 116 | 170 3 167 | 72 1 71 | 63 0 63 | 183 1 182 | 151 0 151 | 314 12 302 | 153 2 151 | 89 0 89 | 1,986 31 1,955 |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-83 2015 Intersection Turning Volumes – PM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | 7 (110) | iative (| | | 9 | • | | ٠, | | | | | | | |
|------|--|------------|-----|-------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| | | Total | 0 | 0 | 0 | 477 | 0 | 55 | 44 | 677 | 0 | 17 | 674 | 895 | 2,839 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | Ö | 174 | 0 | 0 | 0 | 32 | 0 | 0 | 36 | 189 | 431 |
| | | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| | | Total | 0 | 0 | 0 | 502 | 0 | 186 | 38 | 967 | 0 | 0 | 1,078 | 172 | 2,943 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 88 | 0 | 11 | 7 | 199 | 0 | 0 | 214 | 110 | 629 |
| 2 | Notti Halboi Brive / Nicoaiii St | | 0 | 0 | 0 | 414 | 0 | 175 | 31 | | 0 | 0 | 864 | 62 | |
| | | Background | | | | | | | | 768 | | | | | 2,314 |
| | | Total | 7 | 0 | 25 | 23 | 0 | 102 | 67 | 1,795 | 20 | 6 | 1,203 | 0 | 3,248 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 102 | 67 | 220 | 0 | 0 | 222 | 0 | 634 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,575 | 20 | 6 | 981 | 0 | 2,614 |
| | | Total | 159 | 2 | 340 | 21 | 5 | 49 | 31 | 1,680 | 132 | 470 | 1,379 | 0 | 4,268 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 2 | 56 | 21 | 5 | 49 | 31 | 191 | 21 | 60 | 539 | 0 | 987 |
| | | Background | 147 | 0 | 284 | 0 | 0 | 0 | 0 | 1,489 | 111 | 410 | 840 | 0 | 3,281 |
| | | Total | 0 | 0 | 0 | 363 | 0 | 94 | 131 | 1,910 | 0 | 0 | 1,929 | 0 | 4,427 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 363 | 0 | 94 | 131 | 137 | 0 | 0 | 679 | 0 | 1,404 |
| - | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 87 | 0 | 97 | 62 | 0 | 23 | 21 | 2,913 | 87 | 100 | 2,308 | 50 | 5,748 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 87 | 0 | 97 | 62 | 0 | 23 | 21 | 1,140 | 87 | 100 | 1,058 | 50 | 2,725 |
| U | North Halbor Brive / Rental Cal Road | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | | 23 | 423 | 0 | 0 | 537 | 70 | | | 25 | 0 | | | |
| - | Observators / Headson Internal Debug | Total | | | | | | | 77 | 2 | | | 0 | 0 | 1,157 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 70 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| | | Background | 23 | 353 | 0 | 0 | 451 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,001 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 136 | 1 | 364 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 18 | 0 | 0 | 15 | 1 | 157 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 72 | 1,027 | 424 | 150 | 1,137 | 9 | 15 | 203 | 102 | 202 | 127 | 54 | 3,522 |
| 9 | Sassafras Street / Pacific Highway | Airport | 72 | 86 | 0 | 0 | 78 | 9 | 15 | 203 | 102 | 0 | 127 | 0 | 692 |
| - | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| | | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,175 | 2,015 | 0 | 0 | 1,682 | 102 | 5,061 |
| 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 480 | 820 | 0 | 0 | 756 | 0 | 2,056 |
| | | Background | 0 | 0 | 0 | 76 | 0 | 11 | 695 | 1,195 | 0 | 0 | 926 | 102 | 3,005 |
| ,. I | | Total | 0 | 592 | 0 | 0 | 2,149 | 0 | 0 | 0 | 0 | 145 | 0 | 1,161 | 4,047 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 199 | 0 | 0 | 820 | 0 | 0 | 0 | 0 | 9 | 0 | 557 | 1,585 |
| | | Background | 0 | 393 | 0 | 0 | 1,329 | 0 | 0 | 0 | 0 | 136 | 0 | 604 | 2,462 |
| | Grape Street / North Harbor Drive | Total | 0 | 652 | 261 | 1,190 | 1,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,201 |
| 12 | | Airport | 0 | 199 | 10 | 545 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,038 |
| | | Background | 0 | 453 | 251 | 645 | 814 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,163 |
| | | Total | 131 | 718 | 175 | 166 | 574 | 438 | 508 | 768 | 62 | 58 | 886 | 85 | 4,569 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 56 | 4 | 8 | 77 | 94 | 97 | 383 | 0 | 2 | 357 | 6 | 1,084 |
| | | Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 3,485 |
| | | Total | 141 | 705 | 0 | 0 | 658 | 61 | 0 | 0 | 0 | 152 | 1,111 | 88 | 2,916 |
| 44 | Hawthorn Street / Pacific Highway | | 100 | 57 | 0 | 0 | | | 0 | 0 | 0 | | 457 | | |
| 14 | nawthorn Street / Pacific nighway | Airport | | | | | 71 | 9 | | | | 0 | | 3 | 697 |
| | | Background | 41 | 648 | 0 | 0 | 587 | 52 | 0 | 0 | 0 | 152 | 654 | 85 | 2,219 |
| | | Total | 0 | 751 | 504 | 280 | 639 | 0 | 57 | 1,749 | 32 | 0 | 0 | 0 | 4,012 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 147 | 0 | 1 | 70 | 0 | 10 | 512 | 32 | 0 | 0 | 0 | 772 |
| | | Background | 0 | 604 | 504 | 279 | 569 | 0 | 47 | 1,237 | 0 | 0 | 0 | 0 | 3,240 |
| | | Total | 0 | 0 | 0 | 314 | 664 | 649 | 0 | 977 | 86 | 66 | 337 | 0 | 3,093 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 0 | 277 | 0 | 396 | 0 | 5 | 88 | 0 | 769 |
| | | Background | 0 | 0 | 0 | 311 | 664 | 372 | 0 | 581 | 86 | 61 | 249 | 0 | 2,324 |
| | | Total | 0 | 0 | 0 | 0 | 446 | 79 | 0 | 0 | 0 | 213 | 1,548 | 0 | 2,286 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 460 | 0 | 465 |
| | Transfer Substitution Boardard | Background | Ö | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | 1,821 |
| | | Total | 0 | 0 | 0 | 255 | 554 | 0 | 0 | 3,273 | 98 | 0 | 0 | 0 | 4,180 |
| 40 | Crops Street / Kattner Baulayard | | | | | | | | | | | | | | |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 497 | 16 | 0 | 0 | 0 | 518 |
| | | Background | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 2,776 | 82 | 0 | 0 | 0 | 3,662 |
| | | Total | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 541 | 2,164 | 0 | 0 | 0 | 3,289 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 497 | 0 | 0 | 0 | 501 |
| | | Background | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 537 | 1,667 | 0 | 0 | 0 | 2,788 |
| | | Total | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,540 | 60 | 1,700 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 | 0 | 457 |
| | , | Background | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,083 | 60 | 1,243 |
| | | Total | 112 | 362 | 106 | 0 | 0 | 0 | 743 | 560 | 58 | 0 | 323 | 317 | 2,581 |
| 21 | Laurel Street / India Street | Airport | 58 | 5 | 0 | 0 | 0 | 0 | 301 | 40 | 58 | 0 | 35 | 0 | 497 |
| | Edulor Groot / maia Groot | Background | 54 | 357 | 106 | 0 | 0 | 0 | 442 | 520 | 0 | 0 | 288 | 317 | 2,084 |
| | | Total | 0 | 0 | 0 | 189 | 1,804 | 270 | 0 | 249 | 117 | 97 | 102 | 0 | 2,828 |
| 22 | Sassafras Street / Kettner Boulevard | | 0 | 0 | 0 | 0 | 280 | 41 | 0 | 66 | 67 | 0 | 41 | 0 | 495 |
| 44 | Sassafras Street / Kettner Boulevard | Airport | | | | 189 | | | | | | 97 | | | |
| | | Background | 0 | 0 | 0 | | 1,524 | 229 | 0 | 183 | 50 | | 61 | 0 | 2,333 |
| 00 | 0 | Total | 208 | 1,544 | 36 | 0 | 0 | 0 | 344 | 69 | 126 | 0 | 15 | 18 | 2,360 |
| 23 | Sassafras Street / India Street | Airport | 64 | 306 | 0 | 0 | 0 | 0 | 101 | 0 | 0 | 0 | 0 | 0 | 471 |
| | | Background | 144 | 1,238 | 36 | 0 | 0 | 0 | 243 | 69 | 126 | 0 | 15 | 18 | 1,889 |
| | | Total | 0 | 0 | 0 | 527 | 53 | 12 | 0 | 240 | 56 | 219 | 99 | 0 | 1,206 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 37 | 14 | 61 | 62 | 0 | 175 |
| | | Background | 0 | 0 | 0 | 527 | 53 | 11 | 0 | 203 | 42 | 158 | 37 | 0 | 1,031 |
| | Washington Street / Pacific Highway NB-Ramps (1) | Total | 52 | 36 | 270 | 63 | 60 | 8 | 60 | 15 | 649 | 378 | 234 | 66 | 1,891 |
| 25 | | Airport | 17 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 37 | 106 | 0 | 0 | 230 |
| - 1 | | Background | 35 | 36 | 200 | 63 | 60 | 8 | 60 | 15 | 612 | 272 | 234 | 66 | 1,661 |
| | | Total | 0 | 741 | 179 | 376 | 423 | 0 | 562 | 335 | 162 | 0 | 0 | 0 | 2,778 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 89 | 179 | 0 | 85 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 212 |
| 20 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| | | Background | | 652 | 162 | 376 | 338 | 0 | 562 | 335 | 141 | 0 | 0 | 0 | 2,566 |
| | | Total | 208 | 1,264 | 0 | 0 | 596 | 504 | 0 | 0 | 0 | 207 | 304 | 19 | 3,102 |
| 27 | Washington Street / San Diego Avenue | Airport | 17 | 72 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 21 | 0 | 1 | 175 |
| | | Background | 191 | 1,192 | 0 | 0 | 532 | 504 | 0 | 0 | 0 | 186 | 304 | 18 | 2,927 |
| | | Total | 418 | 341 | 756 | 141 | 163 | 78 | 119 | 485 | 180 | 257 | 315 | 134 | 3,387 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 31 |
| | | Background | 418 | 338 | 745 | 141 | 160 | 78 | 118 | 483 | 180 | 247 | 314 | 134 | 3,356 |
| | | Total | 18 | 204 | 123 | 11 | 91 | 11 | 348 | 852 | 34 | 183 | 643 | 52 | 2,570 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 86 | 103 | 0 | 79 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 363 |
| | | Background | 18 | 118 | 20 | 11 | 12 | 11 | 348 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| | | | | | | | | | | | | | | | |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-84 2020 Intersection Turning Volumes – AM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| North Harbor Drive / Ministe Bird | | Aiten | • | | | | | | | | | | | | | |
|--|------|--|---|---|--|--|------------------------------------|--|---------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|---|---|---|--|
| North Harbor Drive / Ninitz Blind Agricott 0 0 0 0 0 0 0 0 0 | Int# | | | | | | | | | | | | | | | |
| Reduction | | | | _ | _ | | | | | | | | | | | 2,530 |
| Page | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Anch Harbor Diver McCarl St. Arjest | | | | | | | | | | | | | | | | |
| Septiment Sept | | | | | | | | | | | | | | | | |
| North Harbor Divey / Spenish Landrig | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Hatbor Drive / Reparts 1,000 0,000 | | | | | | | | | | | | | | | | |
| Reservant Fig. | | | Total | 5 | 0 | 18 | 24 | 0 | 129 | 85 | 878 | 6 | 18 | 1,704 | 0 | 2,867 |
| North Hartor Drive / Hartor Island Drive Amport 1 3 44 18 6 52 49 774 9 0 25 70 0 0 3,555 0 1,70 1 0 0 0 0 0 0 0 0 | 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 129 | 85 | 248 | 0 | | 237 | 0 | 723 |
| ## North Harbor Drive / Humbric Island Drive August 11 3 44 15 6 52 48 199 23 370 653 0 1,129 | | | Background | 5 | 0 | 18 | 0 | 0 | 0 | | 630 | 6 | 18 | 1,467 | 0 | 2,144 |
| Bearground 33 | | | Total | 44 | 3 | 157 | 19 | 6 | 52 | 49 | 774 | 95 | 251 | 2,105 | 0 | 3,555 |
| Section | 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 3 | 44 | 19 | 6 | 52 | 49 | 199 | 23 | 70 | 653 | 0 | 1,129 |
| Section | | | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | 575 | 72 | 181 | 1,452 | 0 | 2,426 |
| Secretary Company Co | | | | | 0 | | 389 | 0 | 107 | 157 | | 0 | 0 | | 0 | |
| North Harbor Drive / Rental Car Road Airport 70 0 56 43 0 19 36 1866 67 147 3016 80 5441 | 5 | North Harbor Drive / Winship Lane | | 0 | 0 | 0 | 389 | 0 | | | | 0 | 0 | 891 | 0 | 1,649 |
| 6 North Harbor Drive / Retail Car Road Apport 70 0 56 43 0 19 28 1286 87 147 3018 80 5411 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | · · | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1.633 | 0 | 2.322 |
| Bedeground 1 | | | | 70 | | 56 | 43 | | 19 | | | | 147 | | | |
| Sheriston / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Total 13 120 0 0 25 99 85 6 27 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,633 | 0 | 2,322 |
| Sheraton / Harbon Island Drive Alignort 0 58 0 0 99 0 0 0 0 0 0 | | | | | | | | 253 | | | | | | | | |
| Background 13 62 0 0 194 898 68 67 27 0 0 0 0 446 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | |
| Bendergound Color | | | | | | | | | | | | | | | |
| Baskground O O O O O O O O O | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Paclic Highway Aprox 58 80 85 50 605 12 6 83 51 233 168 61 2.037 | Ü | Employed Edit Harbor Idiana Brito | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Airport 85 83 0 0 108 12 6 83 51 0 166 0 594 | | 1 | | | | | | | | | | | | | | |
| Beskground 0 517 85 50 497 0 0 0 0 233 0 81 1.445 | a | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Fall | 3 | Sussairus Street / Facilie Flighway | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 23 0 4 21 479 0 0 1,155 44 1,726 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total | 10 | Laurer outeer / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 271 0 0 828 0 0 0 0 12 0 783 1,1272 2,238 12 Grape Street / North Harbor Drive Apport 0 271 10 568 565 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Beakground 0 71 0 0 422 0 0 0 0 0 68 0 1,702 2,236 | 14 | Houthorn Stroot / North Harbar Drive | | | | | | | | | | | | | | |
| Total O 280 104 946 846 O O O O O O O O O | 17 | nawuloiii Sueet / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 271 10 588 286 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 9 94 398 265 0 0 0 0 0 0 0 0 75 | | | | | | | | | | | | | | | | |
| Laurel Street / Pacific Highway | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 48 365 114 80 275 304 12 215 1 45 316 53 1.835 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 137 69 0 0 0 183 62 0 0 0 0 0 628 7 885 | | | | | | | | | | | | | | | | |
| Background Color | | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Total | 14 | | Airport | | | | | | | | | | | | | |
| Airport 0 196 0 0 33 0 10 515 43 0 0 0 797 | | | Background | | | | | | | | | | | | | |
| Background O 501 195 191 0.30 0 75 510 0 0 0 0 2.502 | | Grape Street / Pacific Highway | | | | | | | | | | | | | | 3,299 |
| Total | 15 | | Airport | | | | | | | | | | | | | |
| 16 | | | Background | 0 | 501 | 195 | 191 | 1,030 | 0 | 75 | 510 | 0 | 0 | 0 | 0 | 2,502 |
| Background 0 | | | Total | 0 | | 0 | 439 | 597 | 833 | 0 | 699 | 43 | 40 | 258 | | 2,909 |
| Total | 16 | Laurel Street / Kettner Boulevard | Airport | 0 | | | | | | | | | | | | |
| 17 | | | Background | 0 | 0 | 0 | 432 | 597 | 453 | 0 | 302 | 43 | 36 | 163 | 0 | 2,026 |
| Background D | | | Total | 0 | 0 | 0 | 0 | 289 | 152 | 0 | 0 | 0 | 181 | 2,956 | 0 | 3,578 |
| Total 0 0 0 0 135 671 0 0 0 1,563 112 0 0 0 0 2,481 | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 633 | 0 | 637 |
| Airport | | | Background | 0 | 0 | 0 | 0 | 285 | 152 | 0 | 0 | 0 | 181 | 2,323 | 0 | 2,941 |
| 18 Grape Street / Kettner Boulevard Airport 0 0 0 3 0 0 0 0 500 16 0 0 0 519 | | | | 0 | 0 | 0 | 135 | 671 | | 0 | 1,563 | 112 | | | 0 | |
| Total 121 159 136 0 0 0 0 38 390 1,106 0 0 0 0 1,950 | 18 | Grape Street / Kettner Boulevard | | 0 | 0 | 0 | 3 | 0 | 0 | 0 | | 16 | 0 | 0 | 0 | 519 |
| Total 121 159 136 0 0 0 0 38 390 1,106 0 0 0 0 1,950 | | , | Background | 0 | 0 | 0 | 132 | 671 | 0 | 0 | 1,063 | 96 | 0 | 0 | 0 | 1,962 |
| 19 Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | | | |
| Background 121 159 136 0 0 0 38 387 606 0 0 0 1,447 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Total | | Grape direct/10 ddatabdaid dir rtamp (1) | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 52 49 0 0 0 0 0 0 0 0 1,741 69 1,911 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Color | | | | | | | | | | | | | | | | |
| Airport State State Airport State Airport State State State Airport State State State State Airport State Stat | | | | | | | | | | | | | | | | |
| Background 43 106 18 0 0 0 211 295 0 0 205 219 1,097 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Total 0 | | Edural direct / India direct | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O O 115 968 303 O 38 30 139 56 O 1,649 | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street | | Gassairas Gireet / Retirier Bodievard | | | | | | | | | | | | | | |
| Sassafras Street / India Street | | | | | | | | | | | | | | | | |
| Background 120 528 10 0 0 0 86 27 57 0 37 23 888 | 23 | Sassafras Street / India Street | | | | | _ | | _ | | | _ | _ | | | |
| Total 0 | 23 | Sassarras Street / India Street | | | | | _ | | | | | | _ | | | |
| 24 Washington Street / Pacific Highway SB-Ramps Airport 0 0 0 0 0 0 0 0 54 20 83 49 0 206 | | | | | | | | | | | | | | | | |
| Background O O O C26 40 65 O 39 28 95 149 O 642 | 24 | Washington Street / Pacific Highway SD Dames | | | | | | | | | | | | | | |
| 25 Washington Street / Pacific Highway NB-Ramps (1) Total Tota | 24 | vvasnington street / Facilic nighway Sb-Ramps | | | | | | | | | | | | | | |
| Airport 13 0 63 0 0 0 1 0 53 118 0 0 248 | | | | | | | | | | | | | | | | |
| Background 57 11 66 31 7 21 26 0 235 264 166 54 938 | 25 | Washington Street / Booifie Hishway ND Darrey (4) | | | | | | | | | | | | | | |
| Total 0 315 129 394 469 0 473 221 179 0 0 0 0 2,180 | 25 | vvasnington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Airport O 91 25 1 102 O O 0 17 O O O 0 236 | | | | | | | | | | | | | | | | |
| Background O 224 104 393 367 O 473 221 162 O O O 0 1,944 | | | | | | | | | | | | | | | | |
| Total 124 713 0 0 674 668 0 0 0 206 233 8 2,626 | 20 | Weshington Chart III I Ob | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue Airport 25 66 0 0 86 0 0 0 0 17 0 0 194 | 26 | Washington Street / Hancock Street | | | 22/ | 104 | 393 | | 0 | 473 | 221 | 162 | 0 | . 0 | . 0 | |
| Background 99 647 0 0 588 668 0 0 0 189 233 8 2,432 | 26 | Washington Street / Hancock Street | Background | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | Background Total | 124 | 713 | | | | | | | | | | 8 | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 139 111 35 144 37 124 536 24 136 551 35 1,869 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 108 0 0 0 0 0 130 0 0 429 | | | Background Total Airport | 124 25 | 713 66 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 17 | 0 | 8 | 194 |
| Background 206 151 219 99 142 60 63 180 150 332 166 98 1.866 Total 20 139 111 35 144 37 124 536 24 136 551 35 1.892 PRosecransStreet / Nimitz Boulevard Airport 0 87 104 0 108 0 0 0 0 0 130 0 0 429 | | | Background Total Airport Background | 124 25 99 | 713 66 647 | 0 | 0 | 86 588 | 0 668 | 0 | 0 | 0 | 17 189 | 0 233 | 8 0 8 | 194 2,432 |
| 29 RosecransStreet / Nimitz Boulevard Total 20 139 111 35 144 37 124 536 24 136 551 35 1,892 29 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 108 0 0 0 0 0 130 0 0 429 | 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total | 124 25 99 206 | 713 66 647 154 | 0 0 229 | 0 0 99 | 86 588 146 | 0 668 61 | 0 | 0 0 182 | 0 0 150 | 17 189 345 | 0 233 168 | 8 0 8 98 | 194 2,432 1,902 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 87 104 0 108 0 0 0 0 130 0 0 429 | 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total Airport | 124 25 99 206 0 | 713 66 647 154 3 | 0 0 229 10 | 0 0 99 0 | 86 588 146 4 | 0 668 61 1 | 0 0 64 1 | 0 0 182 2 | 0 0 150 0 | 17 189 345 13 | 0 233 168 2 | 8 0 8 98 0 | 194 2,432 1,902 36 |
| | 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total Airport Background | 124 25 99 206 0 206 | 713 66 647 154 3 151 | 0 0 229 10 219 | 0 0 99 0 99 | 86 588 146 4 142 | 0 668 61 1 60 | 0 0 64 1 63 | 0 0 182 2 180 | 0 0 150 0 150 | 17 189 345 13 332 | 0 233 168 2 166 | 8 0 8 98 0 98 | 194 2,432 1,902 36 1,866 |
| Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | 27 | Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Background Total Airport Background Total Airport Background Total Airport Background Total | 124 25 99 206 0 206 20 | 713 66 647 154 3 151 139 | 0 0 229 10 219 111 | 0 0 99 0 99 35 | 86 588 146 4 142 144 | 0 668 61 1 60 37 | 0 0 64 1 63 124 | 0 0 182 2 180 536 | 0 0 150 0 150 24 | 17 189 345 13 332 136 | 0 233 168 2 166 551 | 8 0 8 98 0 98 35 | 194 2,432 1,902 36 1,866 1,892 |
| | 27 | Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Background Total Airport Background Total Airport Background Total Total Airport | 124 25 99 206 0 206 20 0 | 713 66 647 154 3 151 139 87 | 0 0 229 10 219 111 104 | 0 0 99 0 99 35 0 | 86 588 146 4 142 144 108 | 0 668 61 1 60 37 | 0 0 64 1 63 124 0 | 0 0 182 2 180 536 0 | 0 0 150 0 150 24 0 | 17 189 345 13 332 136 130 | 0 233 168 2 166 551 0 | 8 0 8 98 0 98 35 0 | 194 2,432 1,902 36 1,866 1,892 429 |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebl ebl
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebi2 et

Table D-85 2020 Intersection Turning Volumes – PM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | Aiteri | ialive (| | ı aı | niig | Oti | Jotu | | | | | | | | |
|---------|--|------------|-----|-------|------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|
| Int# | | 1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| 1111.77 | | Total | | | | | | | | | | | | | |
| | | Total | 0 | 0 | 0 | 583 | 0 | 72 | 45 | 703 | 0 | 20 | 826 | 1,053 | 3,302 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 192 | 0 | 0 | 0 | 36 | 0 | 0 | 40 | 208 | 476 |
| | | Background | 0 | 0 | 0 | 391 | 0 | 72 | 45 | 667 | 0 | 20 | 786 | 845 | 2,826 |
| | | Total | 0 | 0 | 0 | 542 | 0 | 202 | 41 | 1,090 | 0 | 0 | 1,128 | 186 | 3,189 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 90 | 0 | 11 | 7 | 220 | 0 | 0 | 237 | 118 | 683 |
| - | Notarriandor Brive / Micoairr Ct | | 0 | 0 | 0 | 452 | 0 | 191 | 34 | | 0 | 0 | 891 | | |
| | | Background | | | | | | | | 870 | | | | 68 | 2,506 |
| | | Total | 7 | 0 | 25 | 23 | 0 | 111 | 71 | 1,989 | 25 | 7 | 1,263 | 0 | 3,521 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 111 | 71 | 240 | 0 | 0 | 244 | 0 | 689 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,749 | 25 | 7 | 1,019 | 0 | 2,832 |
| | | Total | 164 | 3 | 351 | 21 | 6 | 59 | 41 | 1,851 | 145 | 485 | 1,444 | 0 | 4,570 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 3 | 57 | 21 | 6 | 59 | 41 | 201 | 21 | 61 | 571 | 0 | 1,053 |
| 4 | Notti Halboi Dilve / Halboi Island Dilve | | | | | | | | | | | | | | |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,650 | 124 | 424 | 873 | 0 | 3,517 |
| | | Total | 0 | 0 | 0 | 392 | 0 | 103 | 139 | 2,085 | 0 | 0 | 2,055 | 0 | 4,774 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 392 | 0 | 103 | 139 | 140 | 0 | 0 | 757 | 0 | 1,531 |
| | · | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| | | Total | 96 | 0 | 108 | 66 | 0 | 24 | 21 | 3,202 | 96 | 111 | 2,466 | 53 | 6,243 |
| | North Harber Drive / Deptal Car Bood | | | | | | | | | | | | | | |
| 6 | North Harbor Drive / Rental Car Road | Airport | 96 | 0 | 108 | 66 | 0 | 24 | 21 | 1,257 | 96 | 111 | 1,168 | 53 | 3,000 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| | | Total | 23 | 441 | 0 | 0 | 566 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,204 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 72 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Background | 23 | 369 | 0 | 0 | 478 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,044 |
| | | | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 109 | 0 | 0 | 142 | 1 | 375 |
| _ | | Total | | | | | | | | | _ | | | | |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 20 | 0 | 0 | 17 | 1 | 161 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 125 | 0 | 214 |
| | | Total | 78 | 1,037 | 422 | 134 | 1,033 | 10 | 16 | 218 | 110 | 191 | 139 | 51 | 3,439 |
| 9 | Sassafras Street / Pacific Highway | Airport | 78 | 100 | 0 | 0 | 89 | 10 | 16 | 218 | 110 | 0 | 139 | 0 | 760 |
| , | Saccanac Saccar i dollo i ligilway | | 0 | 937 | 422 | 134 | 944 | 0 | 0 | 0 | 0 | 191 | 0 | 51 | 2,679 |
| | | Background | | | | | | | | | | | | | |
| | l | Total | 0 | 0 | 0 | 68 | 0 | 10 | 1,273 | 2,178 | 0 | 0 | 1,876 | 115 | 5,520 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 530 | 901 | 0 | 0 | 832 | 0 | 2,263 |
| | | Background | 0 | 0 | 0 | 68 | 0 | 10 | 743 | 1,277 | 0 | 0 | 1,044 | 115 | 3,257 |
| | | Total | Ö | 628 | Ö | 0 | 2,376 | 0 | 0 | 0 | 0 | 181 | 0 | 1,367 | 4,552 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 218 | 0 | 0 | 901 | 0 | 0 | 0 | 0 | 12 | 0 | 614 | 1,745 |
| - 11 | Hawmoni Sueet/ North Halbor Drive | | | | | | | | | | | | | | |
| | | Background | 0 | 410 | 0 | 0 | 1,475 | 0 | 0 | 0 | 0 | 169 | 0 | 753 | 2,807 |
| Ī | | Total | 0 | 635 | 245 | 1,273 | 1,161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,314 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 218 | 14 | 601 | 313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,146 |
| | | Background | 0 | 417 | 231 | 672 | 848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,168 |
| | | Total | 148 | 812 | 200 | 162 | 568 | 438 | 472 | 766 | 55 | 53 | 862 | 75 | 4,611 |
| 40 | | | | | | | | | | | | | | | |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 65 | 7 | 9 | 86 | 104 | 107 | 424 | 0 | 4 | 396 | 6 | 1,208 |
| | | Background | 148 | 747 | 193 | 153 | 482 | 334 | 365 | 342 | 55 | 49 | 466 | 69 | 3,403 |
| | | Total | 157 | 795 | 0 | 0 | 744 | 71 | 0 | 0 | 0 | 167 | 1,222 | 98 | 3,254 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 111 | 67 | 0 | 0 | 78 | 12 | 0 | 0 | 0 | 0 | 503 | 5 | 776 |
| | | Background | 46 | 728 | 0 | 0 | 666 | 59 | 0 | 0 | 0 | 167 | 719 | 93 | 2,478 |
| | | | | | | | | | | | | | | | |
| | | Total | 0 | 813 | 542 | 314 | 716 | 0 | 70 | 2,046 | 38 | 0 | 0 | 0 | 4,539 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 164 | 0 | 1 | 77 | 0 | 14 | 563 | 38 | 0 | 0 | 0 | 857 |
| | | Background | 0 | 649 | 542 | 313 | 639 | 0 | 56 | 1,483 | 0 | 0 | 0 | 0 | 3,682 |
| | | Total | 0 | 0 | 0 | 528 | 1,116 | 932 | 0 | 952 | 76 | 59 | 309 | 0 | 3,972 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 0 | 306 | 0 | 440 | 0 | 8 | 101 | 0 | 860 |
| 10 | Laurer Street / Nettrier Boulevard | | | | | | | | | | _ | | | | |
| | | Background | 0 | 0 | 0 | 523 | 1,116 | 626 | 0 | 512 | 76 | 51 | 208 | 0 | 3,112 |
| | | Total | 0 | 0 | 0 | 0 | 750 | 134 | 0 | 0 | 0 | 223 | 1,647 | 0 | 2,754 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 508 | 0 | 516 |
| | | Background | 0 | 0 | 0 | 0 | 742 | 134 | 0 | 0 | 0 | 223 | 1,139 | 0 | 2,238 |
| | | Total | 0 | 0 | 0 | 328 | 709 | 0 | 0 | 3,555 | 105 | 0 | 0 | 0 | 4,697 |
| 10 | Grape Street / Kettner Boulevard | | | 0 | | | 1 | | | | | | 0 | | |
| 18 | | Airport | 0 | | 0 | 7 | | 0 | 0 | 546 | 17 | 0 | | 0 | 571 |
| | | Background | 0 | 0 | 0 | 321 | 708 | 0 | 0 | 3,009 | 88 | 0 | 0 | 0 | 4,126 |
| | | Total | 121 | 159 | 136 | 0 | 0 | 0 | 38 | 391 | 1,155 | 0 | 0 | 0 | 2,000 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 549 | 0 | 0 | 0 | 553 |
| | | Background | 121 | 159 | 136 | 0 | 0 | 0 | 38 | 387 | 606 | 0 | 0 | 0 | 1,447 |
| | | Total | 52 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,246 | 69 | 2,416 |
| 20 | Heathers Of the At (15 North towns 10% Downs | | | | | | | | | | | | | | |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 505 | 0 | 505 |
| | | Background | 52 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,741 | 69 | 1,911 |
| | | Total | 113 | 293 | 84 | 0 | 0 | 0 | 700 | 479 | 70 | 0 | 313 | 301 | 2,353 |
| 21 | Laurel Street / India Street | Airport | 70 | 8 | 0 | 0 | 0 | 0 | 331 | 44 | 70 | 0 | 39 | 0 | 562 |
| | Eduler Greet / maid Greet | Background | 43 | 285 | 84 | 0 | 0 | 0 | 369 | 435 | 0 | 0 | 274 | 301 | 1,791 |
| | | | | | | | | | | | | | | | |
| 00 | 0 | Total | 0 | 0 | 0 | 452 | 3,949 | 595 | 0 | 250 | 123 | 96 | 109 | 0 | 5,574 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 310 | 47 | 0 | 74 | 75 | 0 | 48 | 0 | 554 |
| | | Background | 0 | 0 | 0 | 452 | 3,639 | 548 | 0 | 176 | 48 | 96 | 61 | 0 | 5,020 |
| | | Total | 188 | 1,355 | 30 | 0 | 0 | 0 | 348 | 68 | 124 | 0 | 16 | 19 | 2,148 |
| 23 | Sassafras Street / India Street | Airport | 70 | 339 | 0 | 0 | 0 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 517 |
| | ac outout, maid offoot | Background | 118 | 1,016 | 30 | 0 | 0 | 0 | 240 | 68 | 124 | 0 | 16 | 19 | 1,631 |
| | | | | | | | | | | | | | | | |
| | l <u>.</u> <u>.</u> | Total | 0 | 0 | 0 | 596 | 60 | 13 | 0 | 262 | 63 | 237 | 125 | 0 | 1,356 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 49 | 19 | 67 | 85 | 0 | 221 |
| | 5 | Background | 0 | 0 | 0 | 596 | 60 | 12 | 0 | 213 | 44 | 170 | 40 | 0 | 1,135 |
| | Washington Street / Pacific Highway NB-Ramps (1) | Total | 81 | 11 | 143 | 31 | 7 | 21 | 27 | 0 | 284 | 393 | 166 | 54 | 1,218 |
| 25 | | Airport | 24 | 0 | 77 | 0 | 0 | 0 | 1 | 0 | 49 | 129 | 0 | 0 | 280 |
| 20 | | | | | | | | | | | | | | | |
| | | Background | 57 | 11 | 66 | 31 | 7 | 21 | 26 | 0 | 235 | 264 | 166 | 54 | 938 |
| | | Total | 0 | 769 | 189 | 422 | 479 | 0 | 742 | 443 | 215 | 0 | 0 | 0 | 3,259 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 102 | 23 | 1 | 100 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 255 |
| | Tradimigram de det / Harrook de de | Background | | 667 | 166 | 421 | 379 | 0 | 742 | 443 | 186 | 0 | 0 | 0 | 3,004 |
| | | Total | 237 | 1,415 | 0 | 0 | 714 | 609 | 0 | 0 | 0 | 222 | 315 | 20 | 3,532 |
| 27 | Weekinsten Otenst (O. D.) | | | | | | | | | | | | | | |
| 27 | Washington Street / San Diego Avenue | Airport | 23 | 79 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 29 | 0 | 1 | 203 |
| | | Background | 214 | 1,336 | 0 | 0 | 643 | 609 | 0 | 0 | 0 | 193 | 315 | 19 | 3,329 |
| | | Total | 363 | 297 | 660 | 120 | 139 | 68 | 118 | 482 | 178 | 283 | 348 | 147 | 3,203 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 12 | 0 | 3 | 1 | 1 | 2 | 0 | 11 | 2 | 0 | 35 |
| ı | | Background | 363 | 294 | 648 | 120 | 136 | 67 | 117 | 480 | 178 | 272 | 346 | 147 | 3,168 |
| | | | | | | | | | | | | | | | |
| | | Total | 22 | 239 | 138 | 28 | 118 | 28 | 278 | 680 | 27 | 183 | 566 | 46 | 2,353 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 94 | 114 | 0 | 87 | 0 | 0 | 0 | 0 | 105 | 0 | 0 | 400 |
| | | Background | 22 | 145 | 24 | 28 | 31 | 28 | 278 | 680 | 27 | 78 | 566 | 46 | 1,953 |
| | | | | | | | | | | | | | | | |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-86 2025 Intersection Turning Volumes – AM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | Alteri | ialive (| / V I L I I | Ган | riiiy | Sut | JULU | 1 <i>C)</i> | | | | | | | |
|------|--|------------------|-------------|-----|-------|-------|-------|-------------|-----|-------|-------|-----|-------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| | | Total | 0 | 0 | 0 | 745 | 0 | 31 | 14 | 566 | 0 | 10 | 887 | 417 | 2,670 |
| 1 | North Harbor Drive / Nimitz Blvd | | 0 | 0 | 0 | | 0 | 0 | 0 | 46 | 0 | 0 | 36 | 202 | 537 |
| ' | NOI III HAIDOI DIIVE / NIIIIIIZ BIVU | Airport | | | | 253 | | | | | | | | | |
| | | Background | | 0 | 0 | 492 | 0 | 31 | 14 | 520 | 0 | 10 | 851 | 215 | 2,133 |
| | | Total | 0 | 0 | 0 | 151 | 0 | 38 | 208 | 750 | 0 | 0 | 992 | 556 | 2,695 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 64 | 0 | 5 | 10 | 288 | 0 | 0 | 233 | 154 | 754 |
| | | Background | 0 | 0 | 0 | 87 | 0 | 33 | 198 | 462 | 0 | 0 | 759 | 402 | 1,941 |
| | | Total | 5 | 0 | 18 | 24 | 0 | 139 | 91 | 891 | 6 | 18 | 1,805 | 0 | 2,997 |
| 3 | North Harbor Drive / Spanish Landing | | 0 | 0 | 0 | 24 | 0 | 139 | 91 | 261 | 0 | 0 | 248 | 0 | 763 |
| 3 | Notth Harbor Drive / Spanish Landing | Airport | | | | | | | | | | | | | |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 630 | 6 | 18 | 1,557 | 0 | 2,234 |
| | | Total | 44 | 4 | 158 | 19 | 6 | 55 | 54 | 784 | 95 | 265 | 2,234 | 0 | 3,718 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 4 | 45 | 19 | 6 | 55 | 54 | 208 | 23 | 71 | 692 | 0 | 1,188 |
| | | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | 576 | 72 | 194 | 1,542 | 0 | 2,530 |
| | | | 0 | 0 | 0 | 410 | 0 | 113 | 164 | 798 | 0 | 0 | 2,684 | 0 | 4,169 |
| - | North Horbert Britis / Mileshie Long | Total | | | | | | | | | | | | | |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 410 | 0 | 113 | 164 | 109 | 0 | 0 | 948 | 0 | 1,744 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| | | Total | 74 | 0 | 60 | 44 | 0 | 20 | 26 | 1,973 | 93 | 157 | 3,205 | 83 | 5,735 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 60 | 44 | 0 | 20 | 26 | 1,284 | 93 | 157 | 1,469 | 83 | 3,310 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| | | | 13 | 122 | 0 | 0 | | 99 | | 6 | 27 | 0 | 0 | 0 | 619 |
| _ | | Total | | | | | 267 | | 85 | | | | | | |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 60 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 98 | 0 | 0 | 72 | 1 | 291 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 18 | 0 | 0 | 22 | 1 | 161 |
| Ū | Employee Eet France Island Billo | | | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 50 | 0 | 130 |
| | | Total | 90 | 638 | 91 | 57 | 676 | 13 | 6 | 87 | 54 | 268 | 176 | 70 | 2,226 |
| 9 | Sassafras Street / Pacific Highway | Airport | 90 | 90 | 0 | 0 | 117 | 13 | 6 | 87 | 54 | 0 | 176 | 0 | 633 |
| | | Background | 0 | 548 | 91 | 57 | 559 | 0 | 0 | 0 | 0 | 268 | 0 | 70 | 1,593 |
| | | Total | Ö | 0 | 0 | 15 | 0 | 3 | 531 | 1,329 | 0 | 0 | 2,309 | 46 | 4,233 |
| 10 | Laurel Street / North Harbor Drive | | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 1,095 | 0 | 2,483 |
| 10 | Laurel Street / North Harbor Drive | Airport | | | | | | | 511 | 877 | | | | | |
| | | Background | 0 | 0 | 0 | 15 | 0 | 3 | 20 | 452 | 0 | 0 | 1,214 | 46 | 1,750 |
| | | Total | 0 | 361 | 0 | 0 | 1,320 | 0 | 0 | 0 | 0 | 116 | 0 | 2,577 | 4,374 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 286 | 0 | 0 | 877 | 0 | 0 | 0 | 0 | 14 | 0 | 808 | 1,985 |
| | | Background | Ö | 75 | 0 | 0 | 443 | 0 | 0 | 0 | 0 | 102 | 0 | 1,769 | 2,389 |
| | | | | | | | | | | | 0 | | | | |
| | | Total | 0 | 295 | 110 | 1,003 | 579 | 0 | 0 | 0 | | 0 | 0 | 0 | 1,987 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 286 | 11 | 593 | 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,189 |
| | | Background | 0 | 9 | 99 | 410 | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 798 |
| | | Total | 50 | 468 | 136 | 99 | 336 | 436 | 110 | 551 | 1 | 46 | 807 | 59 | 3,099 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 71 | 13 | 5 | 48 | 118 | 102 | 408 | 0 | 2 | 497 | 7 | 1,271 |
| 10 | Eddici Gacci i dolle i ligitway | | 50 | 397 | 123 | 94 | 288 | 318 | 8 | 143 | 1 | 44 | 310 | 52 | 1,828 |
| | | Background | | | | | | | | | | | | | |
| | | Total | 145 | 301 | 0 | 0 | 234 | 81 | 0 | 0 | 0 | 336 | 2,431 | 119 | 3,647 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 145 | 75 | 0 | 0 | 36 | 14 | 0 | 0 | 0 | 0 | 663 | 9 | 942 |
| | | Background | 0 | 226 | 0 | 0 | 198 | 67 | 0 | 0 | 0 | 336 | 1,768 | 110 | 2,705 |
| | | Total | 0 | 739 | 207 | 208 | 1,157 | 0 | 89 | 1,079 | 45 | 0 | 0 | 0 | 3,524 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 209 | 0 | 0 | 36 | 0 | 11 | 547 | 45 | 0 | 0 | 0 | 848 |
| | Grapo Grader Fadino Figuray | Background | 0 | 530 | 207 | 208 | 1,121 | 0 | 78 | 532 | 0 | 0 | 0 | 0 | 2,676 |
| | | | | | | | | | | | | | | | |
| | | Total | 0 | 0 | 0 | 379 | 511 | 790 | 0 | 724 | 42 | 41 | 269 | 0 | 2,756 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 9 | 0 | 402 | 0 | 427 | 0 | 4 | 104 | 0 | 946 |
| | | Background | 0 | 0 | 0 | 370 | 511 | 388 | 0 | 297 | 42 | 37 | 165 | 0 | 1,810 |
| | | Total | 0 | 0 | 0 | 0 | 241 | 126 | 0 | 0 | 0 | 193 | 3,150 | 0 | 3,710 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | Ö | 0 | 0 | Ö | 5 | 0 | 0 | 0 | 0 | 0 | 672 | Ö | 677 |
| 17 | Hawthorn Street / Retirier Bodievard | | 0 | 0 | 0 | 0 | 236 | | 0 | 0 | 0 | 193 | | 0 | |
| | | Background | | | | | | 126 | | | | | 2,478 | | 3,033 |
| | | Total | 0 | 0 | 0 | 126 | 622 | 0 | 0 | 1,611 | 114 | 0 | 0 | 0 | 2,473 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 531 | 16 | 0 | 0 | 0 | 551 |
| | | Background | 0 | 0 | 0 | 122 | 622 | 0 | 0 | 1,080 | 98 | 0 | 0 | 0 | 1,922 |
| | | Total | 126 | 166 | 142 | 0 | 0 | 0 | 39 | 404 | 1,158 | 0 | 0 | 0 | 2,035 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 532 | 0 | 0 | 0 | 536 |
| 19 | Grape Street / 1-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| | | Background | 126 | 166 | 142 | 0 | 0 | 0 | 39 | 400 | 626 | 0 | 0 | 0 | 1,499 |
| | | Total | 55 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,401 | 69 | 2,578 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 667 | 0 | 667 |
| | <u> </u> | Background | 55 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,734 | 69 | 1,911 |
| | | Total | 103 | 115 | 19 | Ö | 0 | 0 | 535 | 336 | 74 | 1 | 257 | 221 | 1,661 |
| 21 | Laurel Street / India Street | Airport | 58 | 4 | 0 | 0 | 0 | 0 | 322 | 39 | 74 | 1 | 50 | 0 | 548 |
| ۱ ک | Laurer Street / Illula Street | | | | | | | | | | | | | | |
| | | Background | 45 | 111 | 19 | 0 | 0 | 0 | 213 | 297 | 0 | 0 | 207 | 221 | 1,113 |
| | | Total | 0 | 0 | 0 | 243 | 2,456 | 696 | 0 | 68 | 60 | 139 | 112 | 0 | 3,774 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 411 | 56 | 0 | 28 | 28 | 0 | 56 | 0 | 579 |
| | | Background | 0 | 0 | 0 | 243 | 2,045 | 640 | 0 | 40 | 32 | 139 | 56 | 0 | 3,195 |
| | | Total | 207 | 848 | 10 | 0 | 0 | 0 | 131 | 28 | 58 | 0 | 40 | 26 | 1,348 |
| 22 | Connefron Ctreat / India Ctreat | | | | | - | | | | | | | | | |
| 23 | Sassafras Street / India Street | Airport | 88 | 326 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 457 |
| | | Background | 119 | 522 | 10 | 0 | 0 | 0 | 88 | 28 | 58 | 0 | 40 | 26 | 891 |
| | | Total | 0 | 0 | 0 | 201 | 35 | 58 | 0 | 102 | 51 | 189 | 216 | 0 | 852 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 64 | 24 | 88 | 57 | 0 | 234 |
| | J | Background | Ö | 0 | 0 | 201 | 35 | 57 | 0 | 38 | 27 | 101 | 159 | Ö | 618 |
| | | | 44 | 5 | 99 | | | | 29 | 0 | 314 | 392 | | 54 | 1,162 |
| 0- | Washington Observat Basis 1111 112 2 | Total | | | | 31 | 7 | 22 | | | | | 165 | | |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 16 | 0 | 67 | 0 | 0 | 0 | 1 | 0 | 63 | 130 | 0 | 0 | 277 |
| | | Background | 28 | 5 | 32 | 31 | 7 | 22 | 28 | 0 | 251 | 262 | 165 | 54 | 885 |
| | | Total | 0 | 323 | 134 | 388 | 471 | 0 | 531 | 248 | 202 | 0 | 0 | 0 | 2,297 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 100 | 30 | 1 | 110 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 261 |
| 0 | | Background | | 223 | 104 | 387 | 361 | 0 | 531 | 248 | 182 | 0 | 0 | 0 | 2,036 |
| | | | | | | | | | | | | | | | |
| _ | | Total | 128 | 708 | 0 | 0 | 702 | 693 | 0 | 0 | 0 | 202 | 225 | 8 | 2,666 |
| 27 | Washington Street / San Diego Avenue | Airport | 30 | 71 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 212 |
| | | Background | 98 | 637 | 0 | 0 | 611 | 693 | 0 | 0 | 0 | 182 | 225 | 8 | 2,454 |
| | | Total | 209 | 156 | 234 | 100 | 148 | 62 | 65 | 186 | 152 | 348 | 169 | 98 | 1,927 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 4 | 1 | 1 | 2 | 0 | 14 | 2 | 0 | 38 |
| -0 | 1100001ano otroct/ i aomo riignway | | | | | | | | | | | | | | |
| | | Background | | 153 | 223 | 100 | 144 | 61 | 64 | 184 | 152 | 334 | 167 | 98 | 1,889 |
| | | | | | | | | | | | | | | | |
| _ | | Total | 21 | 146 | 117 | 9 | 125 | 10 | 121 | 524 | 23 | 144 | 554 | 35 | 1,829 |
| 29 | RosecransStreet / Nimitz Boulevard | Total Airport | 0 | 92 | 110 | 0 | 115 | 0 | 0 | 0 | 0 | 138 | 0 | 0 | 455 |
| 29 | RosecransStreet / Nimitz Boulevard | Total | | | | | | | | | | | | | |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebI2 ebl

Table D-87 2025 Intersection Turning Volumes – PM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | Aiteii | iative (| | ı aı | niig | Oti | uctu | | | | | | | | |
|-------|---|------------|-----|-------|------|-------|----------|-----|-------|------------|-------|-----|------------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| III(# | | Total | 0 | 0 | 0 | 618 | 0 | 76 | 47 | 737 | 0 | 22 | 877 | 1,112 | 3,489 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 204 | 0 | 0 | 0 | 38 | 0 | 0 | 43 | 221 | 506 |
| | Notal Harbor Brive / Nimitz Briva | Background | 0 | 0 | 0 | 414 | 0 | 76 | 47 | 699 | 0 | 22 | 834 | 891 | 2,983 |
| | | Total | 0 | 0 | 0 | 560 | 0 | 208 | 42 | 1,087 | 0 | 0 | 1,199 | 193 | 3,289 |
| 2 | North Harbor Drive / McCain St | | 0 | 0 | 0 | 93 | 0 | 11 | 7 | 235 | 0 | 0 | 252 | 123 | 721 |
| 2 | Notti Halboi Brive / Nicoaiii St | Airport | 0 | 0 | 0 | 467 | 0 | 197 | 35 | | 0 | 0 | 947 | 70 | |
| | | Background | 7 | | | | | | | 852 | 27 | 7 | | | 2,568 |
| | Month Hoston Dates (Occasion Location | Total | | 0 | 25 | 24 | 0 | 118 | 76 | 2,011 | | | 1,336 | 0 | 3,631 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 118 | 76 | 252 | 0 | 0 | 256 | 0 | 726 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,759 | 27 | 7 | 1,080 | 0 | 2,905 |
| _ | | Total | 164 | 3 | 352 | 21 | 6 | 64 | 44 | 1,870 | 144 | 517 | 1,541 | 0 | 4,726 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 3 | 58 | 21 | 6 | 64 | 44 | 210 | 21 | 62 | 606 | 0 | 1,107 |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,660 | 123 | 455 | 935 | 0 | 3,619 |
| | | Total | 0 | 0 | 0 | 413 | 0 | 109 | 144 | 2,098 | 0 | 0 | 2,196 | 0 | 4,960 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 413 | 0 | 109 | 144 | 144 | 0 | 0 | 806 | 0 | 1,616 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,954 | 0 | 0 | 1,390 | 0 | 3,344 |
| | | Total | 102 | 0 | 115 | 69 | 0 | 24 | 22 | 3,292 | 103 | 118 | 2,633 | 56 | 6,534 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 102 | 0 | 115 | 69 | 0 | 24 | 22 | 1,338 | 103 | 118 | 1,243 | 56 | 3,190 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,954 | 0 | 0 | 1,390 | 0 | 3,344 |
| | | Total | 23 | 442 | 0 | 0 | 598 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,237 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 73 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 162 |
| | | Background | 23 | 369 | 0 | 0 | 509 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,075 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 107 | 0 | 0 | 139 | 1 | 370 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 21 | 0 | 0 | 18 | 1 | 163 |
| o | Employee Lot / Harbor Island Brive | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Background | 83 | 1,102 | 448 | 151 | 1,159 | 11 | 17 | 229 | 115 | 219 | 148 | 58 | 3,740 |
| 0 | Saccafrae Street / Decific Highway | Total | | | | | | | | | | | | | |
| 9 | Sassafras Street / Pacific Highway | Airport | 83 | 108 | 0 | 0 | 97 | 11 | 17 | 229 | 115 | 0 | 148 | 0 | 808 |
| | | Background | 0 | 994 | 448 | 151 | 1,062 | 0 | 0 | 0 | 0 | 219 | 0 | 58 | 2,932 |
| 40 | Level Observat (N. W. C. C. C. | Total | 0 | 0 | 0 | 45 | 0 | 7 | 1,267 | 2,160 | 0 | 0 | 1,980 | 121 | 5,580 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 566 | 955 | 0 | 0 | 883 | 0 | 2,404 |
| | | Background | 0 | 0 | 0 | 45 | 0 | 7 | 701 | 1,205 | 0 | 0 | 1,097 | 121 | 3,176 |
| | | Total | 0 | 664 | 0 | 0 | 2,503 | 0 | 0 | 0 | 0 | 191 | 0 | 1,434 | 4,792 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 231 | 0 | 0 | 955 | 0 | 0 | 0 | 0 | 15 | 0 | 652 | 1,853 |
| | | Background | 0 | 433 | 0 | 0 | 1,548 | 0 | 0 | 0 | 0 | 176 | 0 | 782 | 2,939 |
| | | Total | 0 | 670 | 260 | 1,347 | 1,230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,507 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 231 | 17 | 637 | 334 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,219 |
| | | Background | 0 | 439 | 243 | 710 | 896 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,288 |
| | | Total | 160 | 883 | 220 | 170 | 599 | 460 | 356 | 680 | 36 | 53 | 882 | 75 | 4,574 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 71 | 10 | 9 | 93 | 110 | 113 | 453 | 0 | 5 | 424 | 7 | 1,295 |
| | | Background | 160 | 812 | 210 | 161 | 506 | 350 | 243 | 227 | 36 | 48 | 458 | 68 | 3,279 |
| | | Total | 168 | 863 | 0 | 0 | 804 | 78 | 0 | 0 | 0 | 191 | 1,358 | 113 | 3,575 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 118 | 74 | 0 | 0 | 83 | 15 | 0 | 0 | 0 | 0 | 535 | 6 | 831 |
| | Transfer Subset / Lasine Frighting | Background | 50 | 789 | 0 | 0 | 721 | 63 | 0 | 0 | 0 | 191 | 823 | 107 | 2,744 |
| | | Total | 0 | 863 | 574 | 342 | 777 | 0 | 76 | 2,143 | 40 | 0 | 0 | 0 | 4,815 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 176 | 0 | 1 | 82 | 0 | 17 | 597 | 40 | 0 | 0 | 0 | 913 |
| 13 | Grape Street / Facility Tightway | Background | 0 | 687 | 574 | 341 | 695 | 0 | 59 | 1,546 | 0 | 0 | 0 | 0 | 3,902 |
| | | | 0 | 007 | 0 | 454 | | 860 | 0 | | 74 | 61 | | 0 | |
| 16 | Laurel Street / Kettner Boulevard | Total | 0 | 0 | 0 | | 956 0 | | | 975 472 | 0 | 10 | 321 112 | 0 | 3,701 |
| 16 | Laurer Street / Rettrier Boulevard | Airport | | | | 6 | | 324 | 0 | | _ | | | | 924 |
| | | Background | 0 | 0 | 0 | 448 | 956 | 536 | 0 | 503 | 74 | 51 | 209 | 0 | 2,777 |
| | | Total | 0 | 0 | 0 | 0 | 626 | 111 | 0 | 0 | 0 | 238 | 1,756 | 0 | 2,731 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 541 | 0 | 551 |
| | | Background | 0 | 0 | 0 | 0 | 616 | 111 | 0 | 0 | 0 | 238 | 1,215 | 0 | 2,180 |
| | | Total | 0 | 0 | 0 | 307 | 657 | 0 | 0 | 3,634 | 108 | 0 | 0 | 0 | 4,706 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 9 | 1 | 0 | 0 | 579 | 18 | 0 | 0 | 0 | 607 |
| | | Background | 0 | 0 | 0 | 298 | 656 | 0 | 0 | 3,055 | 90 | 0 | 0 | 0 | 4,099 |
| | | Total | 190 | 363 | 355 | 0 | 0 | 0 | 24 | 499 | 2,120 | 0 | 0 | 0 | 3,551 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 584 | 0 | 0 | 0 | 588 |
| | | Background | 190 | 363 | 355 | 0 | 0 | 0 | 24 | 495 | 1,536 | 0 | 0 | 0 | 2,963 |
| | | Total | 45 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500 | 53 | 1,668 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 537 | 0 | 537 |
| | | Background | 45 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 963 | 53 | 1,131 |
| | | Total | 125 | 307 | 89 | 0 | 0 | 0 | 723 | 485 | 81 | 0 | 317 | 304 | 2,431 |
| 21 | Laurel Street / India Street | Airport | 80 | 9 | 1 | 0 | 0 | 0 | 351 | 46 | 81 | 0 | 41 | 0 | 609 |
| | | Background | 45 | 298 | 88 | 0 | 0 | 0 | 372 | 439 | 0 | 0 | 276 | 304 | 1,822 |
| | | Total | 0 | 0 | 0 | 400 | 3,549 | 536 | 0 | 274 | 133 | 98 | 114 | 0 | 5,104 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 330 | 52 | 0 | 79 | 80 | 0 | 52 | 0 | 593 |
| | | Background | 0 | 0 | 0 | 400 | 3,219 | 484 | 0 | 195 | 53 | 98 | 62 | 0 | 4,511 |
| | | Total | 191 | 1,364 | 29 | 0 | 0 | 0 | 359 | 70 | 127 | 0 | 17 | 21 | 2,178 |
| 23 | Sassafras Street / India Street | Airport | 74 | 360 | 0 | 0 | 0 | 0 | 114 | 0 | 0 | 0 | 0 | 0 | 548 |
| - | | Background | 117 | 1,004 | 29 | 0 | 0 | 0 | 245 | 70 | 127 | 0 | 17 | 21 | 1,630 |
| | | Total | 0 | 0 | 0 | 529 | 53 | 12 | 0 | 266 | 65 | 253 | 144 | 0 | 1,322 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 60 | 22 | 71 | 101 | 0 | 255 |
| | | Background | 0 | 0 | 0 | 529 | 53 | 11 | 0 | 206 | 43 | 182 | 43 | 0 | 1,067 |
| | | Total | 39 | 12 | 147 | 69 | 66 | 8 | 69 | 17 | 760 | 421 | 238 | 67 | 1,913 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 28 | 0 | 81 | 09 | 0 | 0 | 1 | 0 | 59 | 144 | 0 | 0 | 313 |
| 20 | vvasinington otreet / r abilit highway No-Namps (1) | Background | 11 | 12 | 66 | 69 | 66 | 8 | 68 | 17 | 701 | 277 | 238 | 67 | 1,600 |
| | | Total | 0 | 775 | 193 | 415 | 482 | 0 | 833 | 498 | 243 | 0 | 0 | 0 | |
| 26 | Washington Street / Hansack Street | | | | | | | | | | | | | | 3,439 |
| 20 | Washington Street / Hancock Street | Airport | 0 | 112 | 28 | 1 | 110 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 285 |
| | | Background | 0 | 663 | 165 | 414 | 372 | 0 | 833 | 498 | 209 | 0 | 0 | 0 | 3,154 |
| | | Total | 239 | 1,397 | 0 | 0 | 744 | 633 | 0 | 0 | 0 | 222 | 305 | 19 | 3,559 |
| 27 | Washington Street / San Diego Avenue | Airport | 28 | 84 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 35 | 0 | 1 | 224 |
| | | Background | 211 | 1,313 | 0 | 0 | 668 | 633 | 0 | 0 | 0 | 187 | 305 | 18 | 3,335 |
| _ | | Total | 368 | 302 | 670 | 122 | 142 | 69 | 120 | 490 | 181 | 285 | 350 | 148 | 3,247 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 4 | 13 | 0 | 3 | 1 | 1 | 2 | 0 | 12 | 2 | 0 | 38 |
| | | Background | 368 | 298 | 657 | 122 | 139 | 68 | 119 | 488 | 181 | 273 | 348 | 148 | 3,209 |
| | | Total | 23 | 250 | 145 | 7 | 101 | 7 | 272 | 665 | 27 | 189 | 569 | 46 | 2,301 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 100 | 120 | 0 | 93 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 424 |
| | | Background | 23 | 150 | 25 | 7 | 8 | 7 | 272 | 665 | 27 | 78 | 569 | 46 | 1,877 |
| | | | | | | | | | | | | | | | |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebI2 ebl

Table D-88 2030 Intersection Turning Volumes – AM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| North Harbor Drive / Ministr Bivd Append 0 0 0 838 0 31 16 1619 0 11 146 500 208 2 | North Harbor Drive / Nimitz Bivi Deckground Deckgro | | Aiteri | iative (| • • • • • • | ı aı | Kiiig | Oti | uctu | | | | | | | | |
|--|--|------------|--|------------|-------------|------|-------|-------|-------|-----|-----|-------|-------|-----|-------|-------|-------|
| North Harbor Drive / North 2 Bivot Airport 0 0 0 0 838 0 0 1 1 61 61 0 1 1 64 503 261 | North Harbor Drive / Nimitz Bivi Deckground Deckgro | Int# | | | NRI | NRT | NRR | SBI | SRT | SBR | FRI | FRT | FRR | WRI | WRT | WRR | Total |
| North Harbor Drive / Minitz Bivd Resignand 0 0 0 342 0 0 0 0 48 0 0 11 607 226 2 | North Harbor Drive / Minitz Bivd September North Harbor Drive / McCan St August Q | IIII # | | T-4-1 | | | | | | | | | | | | | |
| Selection | Besciption 0 | | | | _ | | _ | | | | | | | | | | |
| 2 North Harbor Drive / McCain St | North Harbor Drive / McCain St | 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 342 | 0 | 0 | 0 | 48 | 0 | 0 | 38 | 275 | 703 |
| 2 North Harbor Drive / McCain St | North Harbor Drive / McCain St | | | Background | 0 | 0 | 0 | 494 | 0 | 31 | 16 | 571 | 0 | 11 | 907 | 228 | 2.258 |
| North Harbor Drive / Spanish Landing Randingmont 0 0 0 0 68 0 7 13 378 0 0 0 306 1590 925 308 309 | 2 | | | | 0 | 0 | 0 | 155 | 0 | 41 | 217 | 887 | 0 | 0 | 1.086 | 572 | |
| Secretary Secr | Background 0 0 0 0 0 0 0 0 0 | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Drive / Spanish Landing Total S 0 18 24 0 166 122 330 0 2 24 0 166 122 330 0 0 2 24 0 166 122 330 0 0 2 24 0 166 122 330 0 0 0 2 24 0 166 122 330 0 0 0 0 0 0 0 0 | North Harbor Drive / Spanish Landing Total S 0 18 24 0 169 122 1,004 7 21 1,897 0 3,297 | 2 | NOTH Halbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Drive / Spanish Landing Airport 0 0 0 24 0 169 122 300 0 0 294 0 928 40 804 100 1 | North Harbor Drive / Spanish Landing Amptin 0 | | | Background | 0 | 0 | 0 | | 0 | 34 | | 511 | | | 780 | 414 | 2,033 |
| North Harbor Drive / Spanish Landing Airport 0 0 0 24 0 169 122 300 0 0 294 0 928 40 804 100 1 | North Harbor Drive / Spanish Landing Amptin 0 | | | Total | 5 | 0 | 18 | 24 | 0 | 169 | 122 | 1,004 | 7 | 21 | 1,897 | 0 | 3,267 |
| Background S | Beskground S O 18 O O O 0 684 77 21 1,603 O 2,305 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| 4 North Harbor Drive / Harbor Island Drive Ainthough 4 North Harbor Drive / Harbor Island Drive Apport 13 | 3 | North Harbor Drive / Opanish Landing | | _ | | | | | | | | | | | | |
| ## North Harbor Drive / Harbor Island Drive Alprort 13 4 44 19 7 75 73 245 26 88 728 0 1,305 | North Harbor Drive / Harbor Island Drive Alignort 33 | | | | | | | | | | | | | | | | |
| Background 33 | Selectround 33 | | | Total | 46 | 4 | 157 | 19 | 7 | 75 | 73 | 869 | 105 | 268 | 2,318 | 0 | 3,941 |
| Background 33 | Selectround 33 | 4 | North Harbor Drive / Harbor Island Drive | Airport | 13 | 4 | 44 | 19 | 7 | 75 | 73 | 245 | 26 | 68 | 728 | 0 | 1.302 |
| Total | Second Part | - | | | | | | | | | | | | | | | |
| North Harbor Drive / Winship Lane | North Harbor Drive / Winship Lane Airport 0 | | | | | | | | | | | | | | | | |
| Background 0 | Background 0 | | | | | | | | | | | | | | | | |
| Forestand Company Comp | Foliable North Harbor Drive / Rental Car Road Arport 81 0 0 60 44 0 0 22 31 2,028 105 157 3,259 82 5,869 | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 389 | 0 | 133 | 187 | 122 | 0 | 0 | 971 | 0 | 1,802 |
| Forestand Company Comp | Foliable North Harbor Drive / Rental Car Road Arport 81 0 0 60 44 0 0 22 31 2,028 105 157 3,259 82 5,869 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1.790 | 0 | 2.527 |
| North Harbor Drive / Rental Car Road Airport 81 0 60 44 0 22 31 1,291 105 157 1,469 82 3,344 3,245 3 | Apport Section Apport Section Apport Section | | | | | | | | | | | | | | | |
| Background 0 | Background | | | | | | | | | | | | | | | | |
| Total 13 123 0 0 280 99 85 6 27 0 0 0 0 637 Sheraton / Harbor Island Drive | 7 Sheraton / Harrbor Island Drive Alignot Sheraton / Harrbor Island Drive Alignot O O O O O O O O O | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive Airport 0 61 0 0 0 10 0 0 0 0 0 | Sheraton / Harbor Island Drive Airport 0 61 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | 1,790 | 0 | 2,527 |
| Sheraton / Harbor Island Drive Airport 0 61 0 0 0 10 0 0 0 0 0 | Sheraton / Harbor Island Drive Airport 0 61 0 0 0 0 0 0 0 0 0 | | | Total | 13 | 123 | 0 | 0 | 280 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 633 |
| Background 13 62 0 0 0 179 99 88 6 27 0 0 0 0 471 | Background 13 62 0 0 179 99 85 6 27 0 0 0 0 471 128 | 7 | Shoraton / Harbor Island Drive | | | | | | | | | | | | | | |
| 8 Employee Lot / Harbor Island Drive | Beach Employee Lot / Harbor Island Drive Airport O O O O O O O O O | , | Sileratori / Harbor Island Drive | | | | | | | | | | | | | | |
| Bengloyee Lot / Harbor Island Drive Airport 0 | Beginster Section Se | | | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Background O O O O O O O O O | Background | | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 96 | 0 | 0 | 71 | 1 | 288 |
| Sassafras Street / Pacific Highway Background O O O O O O O O O | Background | 8 | Employee Lot / Harbor Island Drive | Airnort | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 19 | 0 | 0 | 23 | 1 | 163 |
| 9 Sassafras Street / Pacific Highway Pacific Highway | Sassafras Street / Pacific Highway Airport 95 94 0 0 123 13 7 92 57 135 184 35 1,781 | - | | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Airport 95 94 0 0 123 13 7 92 57 0 1184 0 665 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background O 402 66 39 389 O O O 135 O 35 1,08 | Background 0 402 66 39 398 0 0 0 135 0 0 5 1,056 | | | Total | | | | | | | | | | | | | |
| Background O 402 66 39 389 O O O 135 O 35 1,08 | Background 0 402 66 39 398 0 0 0 135 0 0 5 1,056 | 9 | Sassafras Street / Pacific Highway | Airport | 95 | 94 | 0 | 0 | 123 | 13 | 7 | 92 | 57 | 0 | 184 | 0 | 665 |
| Total Airport O O O O O O O O O | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | | | |
| Description Airport O O O O O O O O O | Laurel Street / North Harbor Drive Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background | Background Color | 40 | 11 Ot (N | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | Hawthorn Street / North Harbor Drive Airport 0 298 0 0 920 0 0 0 0 0 133 0 2,844 4,734 | 10 | Laurei Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | Hawthorn Street / North Harbor Drive Airport 0 298 0 0 920 0 0 0 0 0 133 0 2,844 4,734 | | | Background | 0 | 0 | 0 | 17 | 0 | 3 | 21 | 469 | 0 | 0 | 1.263 | 48 | 1.821 |
| Hawthorn Street / North Harbor Drive Airport O 298 O O 920 O O O O 177 O 844 2.255 | Hawthorn Street / North Harbor Drive Background 0 76 0 0 430 0 0 0 0 0 17 0 844 2.079 | | | | | | | | | | | | | | | | |
| Background Background O 76 O O 483 O O O O O 116 O 2000 2,555 | Background 0 76 0 0 463 0 0 0 0 116 0 2,000 2,658 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 0 307 110 1.033 598 0 0 0 0 0 0 0 0 0 | Total 0 307 110 1,033 598 0 0 0 0 0 0 0 0 0 | 17 | nawinom Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 298 14 621 316 0 0 0 0 0 0 0 0 0 | 12 Grape Street / North Harbor Drive Airport 0 298 14 621 316 0 0 0 0 0 0 0 0 0 | | | Background | 0 | | | | | 0 | | | | | | 2,000 | |
| 12 Grape Street / North Harbor Drive Airport 0 298 14 621 316 0 0 0 0 0 0 0 0 0 | 12 Grape Street / North Harbor Drive Airport 0 298 14 621 316 0 0 0 0 0 0 0 0 0 | | | Total | 0 | 307 | 110 | 1.033 | 598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.048 |
| Background 0 9 96 412 282 0 0 0 0 0 0 0 0 799 | Background Q 9 96 412 282 Q 0 0 0 0 0 0 0 799 | 12 | Grane Street / North Harbor Drive | | | | | | | | | | 0 | | | | |
| Total 42 409 121 72 256 345 115 527 1 82 999 102 3,071 102 3,071 103 104 105 | Total 42 409 121 72 256 346 115 527 1 82 999 102 3.071 | 12 | Grape Greet / North Harbor Drive | | | | | | | | | | | | | | |
| Airport 0 76 17 6 53 121 106 370 0 3 445 8 1200 | 13 | | | | _ | | | | | _ | | | | | | | |
| Background 42 333 104 66 203 224 9 157 1 79 554 94 1,186 | Background 42 333 104 66 203 224 9 157 1 79 554 94 1,866 | | | Total | 42 | 409 | 121 | 72 | 256 | 345 | 115 | 527 | 1 | 82 | 999 | 102 | 3,071 |
| Background 42 333 104 66 203 224 9 157 1 79 554 94 1,186 | Background 42 333 104 66 203 224 9 157 1 79 554 94 1,866 | 13 | Laurel Street / Pacific Highway | Airport | 0 | 76 | 17 | 6 | 53 | 121 | 106 | 370 | 0 | 3 | 445 | 8 | 1.205 |
| Total 152 272 0 0 206 74 0 0 0 376 2,671 134 3,885 | Hawthorn Street / Pacific Highway Facility Hawthorn Street / Pacific Highway Hawthorn Street / Rettner Boulevard Hawthorn Street / Rettner Boulevard Hawthorn Street / Rettner Boulevard Hawthorn Street / I-S Northbound On-Ramp (1) Hawthorn Street / I-S Northbound On-Ramp (1) Hawthorn Street / I-S Northbound Off-Ramp Hawthorn Street / I-S Northbound Off-Ramp Airport O | - | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 152 82 0 0 0 39 17 0 0 0 0 0 692 11 933 | Hawthorn Street / Pacific Highway Background 152 82 0 0 39 17 0 0 0 0 692 11 993 | | | | | | | | | | | | | | | | |
| Background 0 190 0 0 167 57 0 0 0 376 1,979 123 2,892 | Background 0 190 0 0 167 57 0 0 0 376 1,979 123 2,892 | | | | | | | | | | | | | | | | |
| Total 0 693 184 177 991 0 98 1,143 47 0 0 0 0 3,333 | Total | 14 | Hawthorn Street / Pacific Highway | Airport | 152 | 82 | 0 | 0 | 39 | 17 | 0 | 0 | 0 | 0 | 692 | 11 | 993 |
| Total 0 693 184 177 991 0 98 1,143 47 0 0 0 0 3,333 | Total | | | Background | 0 | 190 | 0 | 0 | 167 | 57 | 0 | 0 | 0 | 376 | 1.979 | 123 | 2.892 |
| Septembly Airport Color | Airport Quantific Highway Airport Quantific Description Quantific De | | | | | | | | | | | | | | | | |
| Background Dackground Dac | Background December Decembe | 15 | Crano Stroot / Basifia Highway | | | | | | | | | | | | | | |
| Total O O O 351 469 701 O 924 75 64 374 O 2.956 | Total | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | Airport O O O O O O O O O | | | Total | 0 | 0 | 0 | 351 | 469 | 701 | 0 | 924 | 75 | 64 | 374 | 0 | 2,958 |
| Background D | Background O O O O O O O O O | 16 | Laurel Street / Kettner Boulevard | | 0 | 0 | 0 | | | 345 | 0 | | 0 | | 111 | 0 | |
| Total 0 | Total 0 | | Eddi of Caroot / Notation Bodiovard | | | | | | | | | | _ | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 0 0 0 0 | Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 246 131 0 0 0 0 2,162 2,771 0 3,364 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | Background O O O O 246 131 O O O 216 2,771 O 3,364 | | | Total | 0 | 0 | 0 | | 252 | 131 | | | 0 | 216 | | 0 | 4,073 |
| Total 0 | Total | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 703 | 0 | 709 |
| Total 0 | Total | | | Background | 0 | 0 | 0 | 0 | 246 | 131 | 0 | 0 | 0 | 216 | 2.771 | 0 | 3.364 |
| Sassafras Street / India Street Maiport | Airport O O O O S T O O O O S S T O O O O S S S S S S | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | Background Color | | | | | | | | | | | | | | | | |
| Total 206 272 233 0 0 0 44 457 1,268 0 0 0 0 2,480 | Total 206 272 233 0 0 0 0 44 457 1,268 0 0 0 0 2,480 | 18 | Grape Street / Kettner Boulevard | Airport | 0 | | 0 | | | 0 | | 557 | | | | | 580 |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 4 559 0 0 0 0 583 | 19 Grape Street / I-5 Southbound On-Ramp (1) | | | Background | 0 | 0 | 0 | 132 | 672 | 0 | 0 | 1,136 | 103 | 0 | 0 | 0 | 2,043 |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 4 559 0 0 0 0 583 | 19 Grape Street / I-5 Southbound On-Ramp (1) | | | | 206 | 272 | 233 | | | 0 | 44 | | 1 268 | 0 | 0 | 0 | |
| Background 206 272 233 0 0 0 44 453 709 0 0 0 0 1,917 | Background 206 272 233 0 0 0 44 453 709 0 0 0 0 1,917 | 10 | Grane Street / L.5 Southhound On Dome (4) | | | | | | | | | | | | | | |
| Total 62 59 0 0 0 0 0 0 0 0 0 | Description Total Color 19 | Grape Street / I-S Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | Airport O O O O O O O O O | | | Total | 62 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,107 | 95 | 3,323 |
| Background 62 59 0 0 0 0 0 0 0 0 2,409 95 2,625 | Background 62 59 0 0 0 0 0 0 0 0 2,409 95 2,625 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| 21 Laurel Street / India Street | 21 Laurel Street / India Street | | | | | | | | | | | | | | | | |
| 21 Laurel Street / India Street Airport 64 5 0 0 0 0 277 41 84 1 52 0 524 | 21 Laurel Street / India Street Airport 64 5 0 0 0 0 0 277 41 84 1 52 0 524 | | | | | | | | | | | | | | | | |
| Background 37 91 16 0 0 0 340 476 0 0 289 310 1,559 Total 0 0 0 0 242 2,399 699 0 53 49 114 107 0 3,662 Airport 0 0 0 0 242 2,043 639 0 24 19 114 46 0 3,127 Background 0 0 0 0 242 2,043 639 0 24 19 114 46 0 3,127 Total 249 974 13 0 0 0 0 117 23 48 0 43 27 1,494 Airport 92 283 0 0 0 0 0 45 0 0 0 0 0 0 0 0 0 0 0 0 0 | Background 37 91 16 0 0 0 340 476 0 0 289 310 1,559 | _ | | | | | | | | _ | | | | | | | |
| 22 Sassafras Street / Kettner Boulevard | 22 Sassafras Street / Kettner Boulevard | 21 | Laurel Street / India Street | Airport | 64 | 5 | 0 | 0 | 0 | 0 | 277 | 41 | 84 | 11 | 52 | 0 | 524 |
| 22 Sassafras Street / Kettner Boulevard | 22 Sassafras Street / Kettner Boulevard | | | Background | 37 | 91 | 16 | 0 | 0 | 0 | 340 | 476 | 0 | 0 | 289 | 310 | 1,559 |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 356 60 0 29 30 0 61 0 536 | Sassafras Street / Kettner Boulevard Airport 0 0 0 0 356 60 0 29 30 0 61 0 536 | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 242 2,043 639 0 24 19 114 46 0 3,127 Total 249 974 13 0 0 0 117 23 48 0 43 27 1,494 Airport 92 283 0 0 0 0 45 0 0 0 0 0 0 0 420 Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | Background O O O 242 2,043 639 O 24 19 114 46 O 3,127 | 22 | Saccafrae Street / Kottner Devilouerd | | | | | | | | | | | | | | |
| 23 Sassafras Street / India Street | 23 Sassafras Street / India Street | 22 | Sassairas Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 23 Sassafras Street / India Street | Sassafras Street / India Street | | | Background | | | | 242 | 2,043 | 639 | | | | | | | 3,127 |
| 23 Sassafras Street / India Street | Sassafras Street / India Street | | | Total | 249 | 974 | 13 | 0 | 0 | 0 | 117 | 23 | 48 | 0 | 43 | 27 | 1,494 |
| Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | 23 | Sassafras Street / India Street | | | | | n | | n | | | | | | | |
| | 24 Washington Street / Pacific Highway SB-Ramps | 20 | Gussanus Guset / Inuia Gueet | | | | | | | | | | | | | | |
| Total 0 0 0 511 90 147 0 115 57 174 107 0 1201 | 24 Washington Street / Pacific Highway SB-Ramps | | | | | | | | | | | | | | | | |
| | 24 Washington Street / Pacific Highway SB-Ramps | | | Total | 0 | | 0 | 511 | 90 | 147 | 0 | 115 | 57 | 174 | 197 | 0 | 1,291 |
| | | 24 | Washington Street / Pacific Highway SB-Ramps | | 0 | 0 | 0 | | | 1 | 0 | 76 | | 92 | 69 | 0 | |
| 24 Washington Street / Pacific Highway SB-Rambs Airbort U U U U U U 1 U 76 29 92 69 0 267 | | | g | | | | | | | | | | | | | | |
| | בון ער בין ער בין ער בין און של בין ער בין ער בין ער בין ער בין ער בין ער בין ער בין ער בין ער בין ער בין ער ב | | | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 | | | | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 19 | 0 | 71 | 0 | 0 | 0 | 1 | 0 | 75 | 142 | 0 | 0 | 308 |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 24 6 17 23 0 277 318 111 36 902 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | | | | | | | 24 | | 17 | 22 | 0 | | | | 36 | 594 |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Background 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 24 6 17 23 0 277 318 111 36 902 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | | | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Background 0 0 0 24 6 17 22 0 202 176 111 36 594 | 25 Washington Street / Pacific Highway NB-Ramps (1) | 20 | Machineten Check III | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 0 1,484 | 25 Washington Street / Pacific Highway NB-Ramps (1) | ∠ 6 | vvasnington Street / Hancock Street | | | | | | | | | | | | | | |
| Background O O O 511 90 146 O 39 28 82 128 O 1,024 | 25 Washington Street / Pacific Highway NB-Ramps (1) | | | Background | 0 | 150 | 70 | 310 | 289 | 0 | 208 | 97 | 71 | 0 | 0 | 0 | 1,195 |
| Background O O O 511 90 146 O 39 28 82 128 O 1,024 | 25 Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 1 0 75 142 0 0 308 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Washington Street / Hancock Street Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 288 Background 0 150 70 310 289 0 208 97 71 0 0 0 0 1,195 | 25 Washington Street / Pacific Highway NB-Ramps (1) | 27 | Washington Street / San Diogo Avenue | | | | | | | | | | | | | | |
| Background 0 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 30 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 0 1,484 Total 0 260 106 31 118 0 0 0 24 0 0 0 0 1,484 Total 1 3 585 0 0 682 665 0 0 0 277 313 12 2,647 | 25 Washington Street / Pacific Highway NB-Ramps (1) | 21 | washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| Background O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | | | | | | | | | | | | | |
| Background December 2 Background December 3 Background December 4 December 4 December 4 December 4 December 5 December 5 December 6 Dec | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | Total | 207 | 155 | 230 | 144 | 209 | 88 | 61 | 176 | 143 | 313 | 154 | 88 | 1,968 |
| Background December 2 Background December 3 Background December 4 December 4 December 4 December 4 December 5 December 5 December 6 Dec | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 24 6 17 23 0 277 318 111 36 902 Airport 19 0 71 0 0 0 1 0 75 142 0 0 0 308 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 289 Background 0 10 0 0 10 36 1 118 0 0 0 24 0 0 0 0 289 Background 0 110 36 1 118 0 0 0 24 0 0 0 0 289 Washington Street / San Diego Avenue Washington Street / San Diego Avenue Airport 35 75 0 0 96 0 0 0 0 24 0 1 231 Background 78 510 0 0 586 665 0 0 0 253 313 11 2,416 Total 207 155 230 144 209 88 61 176 143 313 154 88 1,968 | 0 | 1 tooostano ottooti i dollo i ligilway | | | | | | | | | | | | | | |
| Background D D D S111 90 146 D 39 28 82 128 D 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | | | | | | | | | | | | | |
| Background December 20 Background December 3 December 3 December 4 December 4 December 4 December 4 December 5 December 5 December 5 December 6 De | Total 19 | | | | | | | | | | | | | | | | |
| Background O O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 104 | 171 | 0 | 128 | 0 | 0 | 0 | 0 | 213 | 0 | 0 | 616 |
| Background O O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | 20 | | | | | | | | | | | | |
| | Background 0 0 511 90 146 0 39 28 82 128 0 1, | 24 | vvasnington Street / Pacific Highway SB-Ramps | Background | 0 | 0 | 0 | 511 | 90 | 146 | 0 | 39 | 28 | 82 | 128 | 0 | 1, |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 | | | | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | ∠5 | vvasiiingion street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Background 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 24 6 17 23 0 277 318 111 36 902 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 308 | | | | | | | | | | | | | | | | |
| Background 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Background 0 0 0 24 6 17 22 0 202 176 111 36 594 | 25 Washington Street / Pacific Highway NB-Ramps (1) | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Background O O O 511 90 146 O 39 28 82 128 O 1,024 | 25 Washington Street / Pacific Highway NB-Ramps (1) | | | Background | 0 | 150 | 70 | 310 | 289 | 0 | 208 | 97 | 71 | 0 | 0 | 0 | 1,195 |
| Background 0 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 1 0 75 142 0 0 308 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Washington Street / Hancock Street Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 288 Background 0 150 70 310 289 0 208 97 71 0 0 0 0 1,195 | 25 Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 511 90 146 0 39 28 82 128 0 1,024 Total 19 0 71 24 6 17 23 0 277 318 111 36 902 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 0 0 0 1 0 75 142 0 0 30 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 0 1,484 Total 0 260 106 31 118 0 0 0 24 0 0 0 0 1,484 Total 1 3 585 0 0 682 665 0 0 0 277 313 12 2,647 | 25 Washington Street / Pacific Highway NB-Ramps (1) | 21 | vvasnington Street / San Diego Avenue | | | | | | | | | | | | | | |
| Background O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | | | | | | | | | | | | | |
| Background December 2 Background December 3 Background December 4 December 4 December 4 December 4 December 5 December 5 December 6 Dec | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | 00 | D | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 19 0 71 24 6 17 23 0 277 318 111 36 902 Airport 19 0 71 0 0 0 1 0 75 142 0 0 0 308 Background 0 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 260 106 311 407 0 208 97 95 0 0 0 1,484 Airport 0 110 36 1 118 0 0 0 24 0 0 0 24 0 0 0 289 Background 0 10 0 0 10 36 1 118 0 0 0 24 0 0 0 0 289 Background 0 110 36 1 118 0 0 0 24 0 0 0 0 289 Washington Street / San Diego Avenue Washington Street / San Diego Avenue Airport 35 75 0 0 96 0 0 0 0 24 0 1 231 Background 78 510 0 0 586 665 0 0 0 253 313 11 2,416 Total 207 155 230 144 209 88 61 176 143 313 154 88 1,968 | _0 | 1.0000.a.io 0.0007 i dollo i ligilway | | | | | | | | | | | | | | |
| Background D D D S111 90 146 D 39 28 82 128 D 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | | | | | | | | | | | | | |
| Background O O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | 0 | 0 | | | | | 0 | |
| Background O O O O S111 90 146 O 39 28 82 128 O 1,024 | Total 19 0 71 24 6 17 23 0 277 318 111 36 902 | | | | 20 | | | | | | | | | | | | |
| Background D D D S111 90 146 D 39 28 82 128 D 1,024 | Total 19 | | | | | | | | | | | | | | | | |

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt
25 Washington Street / Pacific Highway NB-Ramps nbI+nbI2 nbt nbr sbl sbr2 sbr ebI2 ebl

Table D-89 2030 Intersection Turning Volumes – PM Peak Hour - Airport Implementation Plan Alternative (With Parking Structure)

| | | iative (| | | | | | | | | | | | | |
|----------------------------|--|---|---|---|---|--|--|---|---|---|--|---|---|--|--|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| | | Total | 0 | 0 | 0 | 688 | 0 | 75 | 52 | 807 | 0 | 23 | 934 | 1,243 | 3,822 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 277 | 0 | 0 | 0 | 40 | 0 | 0 | 45 | 299 | 661 |
| | | Background | 0 | 0 | 0 | 411 | 0 | 75 | 52 | 767 | 0 | 23 | 889 | 944 | 3,161 |
| _ | | Total | 0 | 0 | 0 | 574 | 0 | 218 | 45 | 1,268 | 0 | 0 | 1,300 | 199 | 3,604 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 93 | 0 | 15 | 9 | 307 | 0 | 0 | 329 | 127 | 880 |
| | | Background | 0 | 0 | 0 | 481 | 0 | 203 | 36 | 961 | 0 | 0 | 971 | 72 | 2,724 |
| | | Total | 7 | 0 | 25 | 24 | 0 | 145 | 102 | 2,192 | 28 | 7 | 1,419 | 0 | 3,949 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 145 | 102 | 298 | 0 | 0 | 311 | 0 | 880 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,894 | 28 | 7 | 1,108 | 0 | 3,069 |
| | | Total | 167 | 3 | 350 | 21 | 7 | 85 | 61 | 2,023 | 158 | 529 | 1,611 | 0 | 5,015 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 15 | 3 | 56 | 21 | 7 | 85 | 61 | 238 | 23 | 60 | 647 | 0 | 1,216 |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,785 | 135 | 469 | 964 | 0 | 3,799 |
| | | Total | 0 | 0 | 0 | 394 | 0 | 129 | 163 | 2,231 | 0 | 0 | 2,268 | 0 | 5,185 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 394 | 0 | 129 | 163 | 152 | 0 | 0 | 835 | 0 | 1,673 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| | | Total | 114 | 0 | 115 | 68 | 0 | 28 | 25 | 3,419 | 114 | 119 | 2,682 | 56 | 6,740 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 114 | 0 | 115 | 68 | 0 | 28 | 25 | 1,340 | 114 | 119 | 1,249 | 56 | 3,228 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| | | Total | 23 | 443 | 0 | 0 | 624 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,264 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 74 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 |
| | | Background | 23 | 369 | 0 | 0 | 534 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,100 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 105 | 0 | 0 | 138 | 1 | 367 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 22 | 0 | 0 | 20 | 1 | 166 |
| - | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 118 | 0 | 201 |
| | | Total | 87 | 843 | 328 | 105 | 842 | 11 | 17 | 239 | 120 | 110 | 155 | 29 | 2,886 |
| 9 | Sassafras Street / Pacific Highway | Airport | 87 | 115 | 0 | 0 | 103 | 11 | 17 | 239 | 120 | 0 | 155 | 0 | 847 |
| | , | Background | 0 | 728 | 328 | 105 | 739 | 0 | 0 | 0 | 0 | 110 | 0 | 29 | 2,039 |
| | | Total | 0 | 0 | 0 | 49 | 0 | 7 | 1,252 | 2,249 | 0 | 0 | 2,067 | 126 | 5,750 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 525 | 998 | 0 | 0 | 926 | 0 | 2,449 |
| | | Background | 0 | 0 | 0 | 49 | 0 | 7 | 727 | 1,251 | 0 | 0 | 1,141 | 126 | 3,301 |
| | | Total | 0 | 676 | 0 | 0 | 2,616 | 0 | 0 | 0 | 0 | 217 | 0 | 1,568 | 5,077 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 241 | 0 | 0 | 998 | 0 | 0 | 0 | 0 | 18 | 0 | 684 | 1,941 |
| - '' | Hawaiom Gueet/ Notth Halbot Dilve | Background | 0 | 435 | 0 | 0 | 1,618 | 0 | 0 | 0 | 0 | 199 | 0 | 884 | 3,136 |
| | | Total | 0 | 665 | 255 | 1,379 | 1,252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,551 |
| 12 | Crana Street / North Harbor Drive | | 0 | 241 | 200 | 665 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | Grape Street / North Harbor Drive | Airport | | | | | 351 | | | | | | 0 | | 1,277 |
| | | Background Total | 0 135 | 424 759 | 235 188 | 714 123 | 901 454 | 0 359 | 0 382 | 0 658 | 0 40 | 92 | 1,205 | 130 | 2,274 4,525 |
| 13 | Lourel Street / Basifia Highway | | 0 | 78 | 12 | | 99 | 113 | | 409 | 0 | | 385 | 8 | |
| 13 | Laurel Street / Pacific Highway | Airport | _ | | | 10 | | 246 | 116 | | 40 | 6 86 | 820 | | 1,236 3,289 |
| | | Background | 135 | 681 | 176 | 113 | 355 | | 266 | 249 | | | | 122 | |
| 4.4 | Houstbarn Ctroot / Docific Highway | Total | 166 | 746 | 0 | 0 | 695 | 71 | 0 | 0 | 0 | 214 | 1,481 | 127 | 3,500 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 124 | 82 | 0 | 0 | 88 | 18 | 0 | 0 | 0 | 0 | 560 | 8 | 880 |
| | | Background | 42 | 664 | 0 | 0 | 607 | 53 | 0 | 0 | 0 | 214 | 921 | 119 | 2,620 |
| 45 | Orang Obsert / Desifical History | Total | 0 | 799 | 512 | 290 | 677 | 0 | 83 | 2,279 | 42 | 0 | 0 | 0 | 4,682 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 186 | 0 | 1 | 87 | 0 | 20 | 623 | 42 | 0 | 0 | 0 | 959 |
| | | Background | 0 | 613 | 512 | 289 | 590 | 0 | 63 | 1,656 | 0 | 0 | 0 | 0 | 3,723 |
| 4.0 | | Total | 0 | 0 | 0 | 418 | 877 | 771 | 0 | 1,332 | 133 | 94 | 455 | 0 | 4,080 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 7 | 0 | 279 | 0 | 431 | 0 | 12 | 120 | 0 | 849 |
| | | Background | 0 | 0 | 0 | 411 | 877 | 492 | 0 | 901 | 133 | 82 | 335 | 0 | 3,231 |
| | | Total | 0 | 0 | 0 | 0 | 653 | 115 | 0 | 0 | 0 | 266 | 1,927 | 0 | 2,961 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 568 | 0 | 581 |
| | | Background | 0 | 0 | 0 | 0 | 640 | 115 | 0 | 0 | 0 | 266 | 1,359 | 0 | 2,380 |
| | | Total | 0 | 0 | 0 | 333 | 710 | 0 | 0 | 3,818 | 113 | 0 | 0 | 0 | 4,974 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 11 | 1 | 0 | 0 | 605 | 19 | 0 | 0 | 0 | 636 |
| | | Background | 0 | 0 | 0 | 322 | 709 | 0 | 0 | 3,213 | 94 | 0 | 0 | 0 | 4,338 |
| | | Total | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 564 | 2,350 | 0 | 0 | 0 | 4,425 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 612 | 0 | 0 | 0 | 616 |
| | | Background | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 560 | 1,738 | 0 | 0 | 0 | 3,809 |
| | | Total | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,902 | 74 | 2,104 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 564 | 0 | 564 |
| | <u> </u> | Background | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,338 | 74 | 1,540 |
| | | Total | 125 | 255 | 73 | 0 | 0 | 0 | 897 | 750 | 89 | 0 | 431 | 425 | 3,045 |
| 21 | Laurel Street / India Street | Airport | 88 | 12 | 1 | 0 | 0 | 0 | 301 | 49 | 89 | 0 | 44 | 0 | 584 |
| | | Background | 37 | 243 | 72 | 0 | 0 | 0 | 596 | 701 | 0 | 0 | 387 | 425 | 2,461 |
| | | Total | 0 | 0 | 0 | 399 | 3,503 | 539 | 0 | 200 | 117 | 80 | 106 | 0 | 4,944 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 287 | 55 | 0 | 84 | 85 | 0 | 55 | 0 | 566 |
| | | Background | 0 | 0 | 0 | 399 | 3,216 | 484 | 0 | 116 | 32 | 80 | 51 | 0 | 4,378 |
| | | Total | 233 | 1,642 | 39 | 0 | 0 | 0 | 320 | 57 | 104 | 0 | 18 | 22 | 2,435 |
| 23 | | Airport | 78 | 313 | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 0 | 0 | 0 | 510 |
| | Sassafras Street / India Street | | | 1,329 | 39 | 0 | 0 | 0 | 201 | 57 | 104 | 0 | 18 | 22 | 1,925 |
| 20 | Sassafras Street / India Street | Background | 155 | | | | | | | | | 221 | | 0 | |
| | Sassafras Street / India Street | Background Total | 155 0 | | Ω | 1.347 | 1,34 | | | ∠on ' | 72 | | 155 | | 2.243 |
| | | Total | 0 | 0 | 0 | 1,347 | 134 | 28 1 | 0 | 286 70 | 72 27 | | 155 121 | | 2,243 294 |
| 24 | Sassafras Street / India Street Washington Street / Pacific Highway SB-Ramps | Total Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 | 27 | 75 | 121 | 0 | 294 |
| | | Total Airport Background | 0 0 | 0 0 0 | 0 | 0 1,347 | 0 134 | 1 27 | 0 | 70 216 | 27 45 | 75 146 | 121 34 | 0 | 294 1,949 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total | 0 0 0 33 | 0 0 0 | 0 0 85 | 0 1,347 52 | 0 134 51 | 1 27 6 | 0 0 56 | 70 216 14 | 27 45 635 | 75 146 348 | 121 34 160 | 0 0 45 | 294 1,949 1,485 |
| | | Total Airport Background Total Airport | 0 0 0 33 33 | 0 0 0 0 | 0 0 85 85 | 0 1,347 52 0 | 0 134 51 0 | 1 27 6 0 | 0 0 56 1 | 70 216 14 0 | 27 45 635 70 | 75 146 348 162 | 121 34 160 0 | 0 0 45 0 | 294 1,949 1,485 351 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total Airport Background | 0 0 0 33 33 0 | 0 0 0 0 0 | 0 0 85 85 0 | 0 1,347 52 0 52 | 0 134 51 0 51 | 1 27 6 0 6 | 0 0 56 1 55 | 70 216 14 0 14 | 27 45 635 70 565 | 75 146 348 162 186 | 121 34 160 0 160 | 0 0 45 0 45 | 294 1,949 1,485 351 1,134 |
| 24 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Total Total | 0 0 0 33 33 0 | 0 0 0 0 0 0 0 567 | 0 0 85 85 0 144 | 0 1,347 52 0 52 333 | 0 134 51 0 51 420 | 1 27 6 0 6 | 0 0 56 1 55 326 | 70 216 14 0 14 194 | 27 45 635 70 565 122 | 75 146 348 162 186 0 | 121 34 160 0 160 | 0 0 45 0 45 0 | 294 1,949 1,485 351 1,134 2,106 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Total Airport Background Total Airport Background Total Airport Total Airport | 0 0 0 33 33 0 0 | 0 0 0 0 0 0 0 567 121 | 0 0 85 85 0 144 33 | 0 1,347 52 0 52 333 1 | 0 134 51 0 51 420 121 | 1 27 6 0 6 0 | 0 0 56 1 55 326 0 | 70 216 14 0 14 194 0 | 27 45 635 70 565 122 41 | 75 146 348 162 186 0 | 121 34 160 0 160 0 | 0 0 45 0 45 0 | 294 1,949 1,485 351 1,134 2,106 317 |
| 24 25 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 0 0 0 33 33 0 0 0 | 0 0 0 0 0 0 0 567 121 446 | 0 0 85 85 0 144 33 111 | 0 1,347 52 0 52 333 1 332 | 0 134 51 0 51 420 121 299 | 1 27 6 0 6 0 0 0 | 0 0 56 1 55 326 0 326 | 70 216 14 0 14 194 0 | 27 45 635 70 565 122 41 81 | 75 146 348 162 186 0 0 | 121 34 160 0 160 0 0 | 0 0 45 0 45 0 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 |
| 24 25 26 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Total | 0 0 0 33 33 0 0 0 0 | 0 0 0 0 0 0 567 121 446 1,142 | 0 0 85 85 0 144 33 111 | 0 1,347 52 0 52 333 1 332 0 | 0 134 51 0 51 420 121 299 721 | 1 27 6 0 6 0 0 0 0 | 0 0 56 1 55 326 0 326 0 | 70 216 14 0 14 194 0 194 0 | 27 45 635 70 565 122 41 81 0 | 75 146 348 162 186 0 0 0 300 | 121 34 160 0 160 0 0 0 423 | 0 0 45 0 45 0 0 0 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 |
| 24 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 0 0 0 33 33 0 0 0 0 202 33 | 0 0 0 0 0 0 567 121 446 1,142 | 0 0 85 85 0 144 33 111 0 | 0 1,347 52 0 52 333 1 332 0 | 0 134 51 0 51 420 121 299 721 80 | 1 27 6 0 6 0 0 0 0 0 6 0 0 | 0 0 56 1 55 326 0 326 0 | 70 216 14 0 14 194 0 194 0 | 27 45 635 70 565 122 41 81 0 | 75 146 348 162 186 0 0 0 300 41 | 121 34 160 0 160 0 0 0 0 423 | 0 0 45 0 45 0 0 0 0 27 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 |
| 24 25 26 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Airport Background Total Airport Background | 0 0 0 33 33 0 0 0 0 0 202 33 169 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 | 0 0 85 85 0 144 33 111 0 | 0 1,347 52 0 52 333 1 332 0 0 | 0 134 51 0 51 420 121 299 721 80 641 | 1 27 6 0 6 0 0 0 0 607 0 | 0 0 56 1 55 326 0 326 0 0 | 70 216 14 0 14 194 0 194 0 0 | 27 45 635 70 565 122 41 81 0 | 75 146 348 162 186 0 0 0 300 41 259 | 121 34 160 0 160 0 0 0 423 0 423 | 0 0 45 0 45 0 0 0 0 27 1 26 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 |
| 24 25 26 27 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total Airport Airport Total Airport | 0 0 0 33 33 0 0 0 0 0 202 33 169 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 | 0 0 85 85 0 144 33 111 0 0 661 | 0 1,347 52 0 52 333 1 332 0 0 0 | 0 134 51 0 51 420 121 299 721 80 641 | 1 27 6 0 6 0 0 0 0 6 0 0 6 0 0 6 0 0 0 6 0 | 0 0 56 1 55 326 0 326 0 0 0 | 70 216 14 0 14 194 0 194 0 0 0 0 | 27 45 635 70 565 122 41 81 0 0 | 75 146 348 162 186 0 0 0 300 41 259 257 | 121 34 160 0 160 0 0 0 423 0 423 315 | 0 0 45 0 45 0 0 0 27 1 26 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 3,248 |
| 24 25 26 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Airport | 0 0 0 33 33 0 0 0 0 202 33 169 364 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 297 3 | 0 0 85 85 0 144 33 111 0 0 0 661 | 0 1,347 52 0 52 333 1 332 0 0 0 174 | 0 134 51 0 51 420 121 299 721 80 641 201 | 1 27 6 0 6 0 0 0 6 0 0 6 0 6 0 0 6 0 7 0 6 0 7 0 7 | 0 0 56 1 55 326 0 326 0 0 0 113 | 70 216 14 0 14 194 0 194 0 0 0 0 464 4 | 27 45 635 70 565 122 41 81 0 0 0 | 75 146 348 162 186 0 0 0 300 41 259 257 | 121 34 160 0 160 0 0 0 423 0 423 315 3 | 0 0 45 0 45 0 0 0 27 1 26 133 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 3,248 38 |
| 24 25 26 27 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background | 0 0 0 33 33 0 0 0 0 0 202 33 169 364 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 297 3 | 0 0 85 85 0 144 33 111 0 0 0 661 12 649 | 0 1,347 52 0 52 333 1 332 0 0 0 174 0 | 0 134 51 0 51 420 121 299 721 80 641 201 3 | 1 27 6 0 6 0 0 0 0 607 0 607 0 607 98 1 | 0 0 56 1 55 326 0 326 0 0 0 113 1 | 70 216 14 0 14 194 0 194 0 0 0 0 464 4 460 | 27 45 635 70 565 122 41 81 0 0 0 171 | 75 146 348 162 186 0 0 0 300 41 259 257 11 | 121 34 160 0 160 0 0 0 423 315 3 312 | 0 0 45 0 45 0 0 0 27 1 26 133 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 3,248 38 3,210 |
| 24 25 26 27 28 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total Airport Total Airport Total | 0 0 0 33 33 0 0 0 0 202 33 169 364 23 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 297 3 294 | 0 0 85 85 0 144 33 111 0 0 0 661 12 649 211 | 0 1,347 52 0 52 333 1 332 0 0 0 174 0 | 0 134 51 0 51 420 121 299 721 80 641 201 3 198 | 1 27 6 0 6 0 0 0 607 0 607 98 1 97 31 | 0 0 56 1 55 326 0 326 0 0 0 113 1 112 239 | 70 216 14 0 14 194 0 194 0 0 0 0 464 4 460 586 | 27 45 635 70 565 122 41 81 0 0 0 171 0 | 75 146 348 162 186 0 0 300 41 259 257 11 246 244 | 121 34 160 0 160 0 0 0 423 315 3 312 528 | 0 0 45 0 45 0 0 0 0 27 1 26 133 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 3,248 38 3,210 2,358 |
| 24 25 26 27 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport | 0 0 0 33 33 0 0 0 0 202 33 169 364 0 0 364 23 | 0 0 0 0 0 0 567 121 446 1,142 89 1,053 297 3 294 259 | 0 0 85 85 0 144 33 111 0 0 0 661 12 649 211 | 0 1,347 52 0 52 333 1 332 0 0 0 174 0 174 31 | 0 134 51 0 51 420 121 299 721 80 641 201 3 198 139 | 1 27 6 0 6 0 0 0 607 0 607 98 1 97 31 | 0 0 56 1 55 326 0 326 0 0 0 113 1 112 239 | 70 216 14 0 14 194 0 0 0 0 464 4 460 586 0 | 27 45 635 70 565 122 41 81 0 0 0 171 24 0 | 75 146 348 162 186 0 0 300 41 259 257 11 246 244 | 121 34 160 0 160 0 0 0 423 0 423 315 3 312 528 0 | 0 0 45 0 45 0 0 0 27 1 26 133 0 133 43 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 44 3,178 3,248 38 3,210 2,358 575 |
| 24 25 26 27 28 | Washington Street / Pacific Highway SB-Ramps Washington Street / Pacific Highway NB-Ramps (1) Washington Street / Hancock Street Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Background Total Airport Total Airport Total Airport Total | 0 0 0 33 33 0 0 0 0 202 33 169 364 23 | 0 0 0 0 0 0 0 567 121 446 1,142 89 1,053 297 3 294 | 0 0 85 85 0 144 33 111 0 0 0 661 12 649 211 | 0 1,347 52 0 52 333 1 332 0 0 0 174 0 | 0 134 51 0 51 420 121 299 721 80 641 201 3 198 | 1 27 6 0 6 0 0 0 607 0 607 98 1 97 31 | 0 0 56 1 55 326 0 326 0 0 0 113 1 112 239 | 70 216 14 0 14 194 0 194 0 0 0 0 464 4 460 586 | 27 45 635 70 565 122 41 81 0 0 0 171 0 | 75 146 348 162 186 0 0 300 41 259 257 11 246 244 | 121 34 160 0 160 0 0 0 423 315 3 312 528 | 0 0 45 0 45 0 0 0 0 27 1 26 133 0 | 294 1,949 1,485 351 1,134 2,106 317 1,789 3,422 244 3,178 3,248 38 38 3,210 2,358 |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebl ebl
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 et

Table D-90

2010-2030 Peak Hour Intersection Operations – Airport Implementation Plan Alternative (With Parking Structure)

| | | | | 2010 | | 2015 | | 2020 | | 2025 | | 2030 |
|-----------------------|--------------------------|--------------|-----------------|------|-----------------|------|----------------|------|----------------|------|-----------------|------|
| ntersection Number | Intersection | Peak Hour | Delay (Sec.) | LOS | Delay (Sec.) | LOS | Delay (SEC) | LOS | Delay (SEC) | LOS | Delay (Sec.) | LOS |
| 1 | North Harbor Drive/ | AM | 20.2 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.8 | С |
| ' | Nimitz Boulevard | PM | 20.2 | c | 20.3 | C | 20.9 | C | 21.1 | c | 21.7 | c |
| 2 | North Harbor Drive/ | AM | 6.8 | A | 7.3 | A | 7.6 | A | 7.8 | A | 7.8 | A |
| 2 | McCain Road | PM | 9.1 | A | 10.0 | A | 10.3 | В | 10.4 | В | 10.4 | В |
| 3 | North Harbor Drive/ | AM | 9.3 | A | 10.0 | A | 10.2 | В | 10.6 | В | 12.3 | В |
| o | Spanish Landing | PM | 7.9 | A | 8.5 | A | 8.8 | A | 9.1 | A | 10.4 | В |
| 4 | North Harbor Drive/ | AM | 18.0 | В | 17.7 | В | 18.2 | В | 18.2 | В | 18.7 | В |
| - | Harbor Island Drive | PM | 30.4 | c | 30.8 | c | 32.1 | C | 32.7 | c | 34.2 | |
| 5 | North Harbor Drive/ | AM | 17.3 | В | 18.5 | В | 19.0 | В | 19.4 | В | 19.8 | В |
| ŭ | Winship Lane | PM | 14.5 | В | 15.5 | В | 15.8 | В | 16.4 | В | 16.5 | В |
| 6 | North Harbor Drive/ | AM | 7.3 | А | 8.2 | Α | 9.2 | A | 10.1 | В | 10.7 | В |
| Ü | Rental Car Road | PM | 8.3 | Α | 9.2 | Α | 10.0 | Α | 10.7 | В | 11.4 | В |
| 7 | Sheraton | AM | 12.4 | В | 12.3 | В | 12.0 | В | 11.7 | В | 11.6 | В |
| · · | Harbor Island Drive | PM | 7.6 | Α | 7.4 | Α | 7.2 | A | 7.0 | Α | 6.9 | А |
| 8 | Employee Lot | AM | 9.8 | Α | 9.9 | Α | 9.9 | A | 9.9 | Α | 9.9 | А |
| _ | Harbor Island Drive | PM | 10.1 | В | 10.1 | В | 10.2 | В | 10.2 | В | 10.2 | В |
| 9 | Sassafras Street/ | AM | 15.3 | В | 15.5 | В | 15.2 | В | 15.7 | В | 14.1 | В |
| - | Pacific Highway | PM | 15.0 | В | 17.4 | В | 17.2 | В | 19.8 | В | 14.8 | В |
| 10 | Laurel Street/ | AM | 9.1 | A | 10.0 | A | 10.8 | В | 11.4 | В | 10.8 | В |
| | North Harbor Drive | PM | 15.4 | В | 16.2 | В | 18.6 | В | 19.6 | В | 20.3 | С |
| 11 | Hawthorn Street/ | AM | 30.8 | С | 47.8 | D | 111.4 | F | 133.7 | F | 180.3 | F |
| | North Harbor Drive | PM | 23.0 | С | 24.9 | С | 33.3 | C | 41.6 | D | 61.1 | E |
| 12 | Grape Street/ | AM | 8.2 | Α | 8.4 | Α | 8.4 | A | 8.5 | Α | 8.5 | А |
| | North Harbor Drive | PM | 10.9 | В | 11.0 | В | 10.7 | В | 11.1 | В | 11.0 | В |
| 13 | Laurel Street/ | AM | 32.1 | С | 33.7 | С | 33.9 | С | 34.5 | С | 34.0 | С |
| | Pacific Highway | PM | 48.9 | D | 62.3 | Е | 59.4 | E | 53.5 | D | 61.7 | E |
| 14 | Hawthorn Street/ | AM | 12.5 | В | 14.1 | В | 15.7 | В | 17.6 | В | 19.3 | В |
| | Pacific Highway | PM | 20.9 | С | 21.9 | С | 22.8 | С | 23.8 | С | 23.4 | С |
| 15 | Grape Street/ | AM | 18.5 | В | 19.1 | В | 19.9 | В | 20.4 | С | 20.3 | С |
| | Pacific Highway | PM | 26.1 | С | 32.8 | С | 53.6 | D | 69.9 | Е | 58.6 | E |
| 16 | Laurel Street/ | AM | 18.8 | В | 19.5 | В | 19.6 | В | 19.8 | В | 21.9 | С |
| | Kettner Boulevard | PM | 21.3 | С | 22.8 | С | 25.5 | С | 24.5 | С | 32.0 | С |
| 17 | Hawthorn Street/ | AM | 5.5 | Α | 6.2 | Α | 10.3 | В | 9.6 | Α | 13.4 | В |
| | Kettner Boulevard | PM | 10.9 | В | 11.2 | В | 15.5 | В | 13.8 | В | 14.2 | В |
| 18 | Grape Street/ | AM | 12.4 | В | 13.1 | В | 14.8 | В | 14.1 | В | 14.7 | В |
| | Kettner Boulevard | PM | 16.6 | В | 22.7 | С | 55.4 | E | 55.2 | E | 80.0 | E |
| 19 | Grape Street/ | AM | 11.1 | В | 10.8 | В | 11.5 | В | 11.6 | В | 15.3 | В |
| | I-5 Southbound On-Ramp | PM | 28.0 | С | 34.6 | С | 11.4 | В | 38.9 | D | 89.6 | F |
| 20 | Hawthorn Street/ | AM | 11.0 | В | 10.6 | В | 10.8 | В | 10.3 | В | 15.9 | В |
| | I-5 Northbound Off-Ramp | PM | 11.8 | В | 12.0 | В | 10.7 | В | 11.5 | В | 11.1 | В |
| 21 | Laurel Street/ | AM | 18.4 | В | 19.3 | В | 19.2 | В | 22.7 | С | 22.9 | С |
| | India Street | PM | 21.3 | С | 22.9 | С | 22.0 | С | 22.3 | С | 22.2 | С |
| 22 | Sassafras Street/ | AM | 8.6 | Α | 9.5 | Α | 19.3 | В | 12.0 | В | 9.8 | А |
| | Kettner Boulevard | PM | 11.6 | В | 13.1 | В | 123.1 | F | 84.6 | F | 66.8 | Е |
| 23 | Sassafras Street/ | AM | 8.2 | Α | 8.3 | Α | 8.8 | Α | 9.1 | Α | 8.1 | Α |
| | India Street | PM | 13.8 | В | 17.8 | В | 15.6 | В | 16.1 | В | 17.7 | В |
| 24 | Washington Street/ | AM | 12.6 | В | 12.7 | В | 13.0 | В | 12.8 | В | 12.5 | В |
| | Pacific Highway SB-Ramps | PM | 14.9 | В | 15.1 | В | 15.3 | В | 15.5 | В | 17.6 | В |
| 25 | Washington Street/ | AM | 33.5 | С | 46.7 | D | 56.3 | E | 60.9 | E | 31.6 | С |
| | Pacific Highway NB-Ramps | PM | 68.5 | E | 100.5 | F | 59.3 | E | 156.7 | F | 79.8 | E |
| 26 | Washington Street/ | AM | 27.8 | С | 28.1 | С | 28.7 | С | 28.8 | С | 25.9 | С |
| | Hancock Street | PM | 30.2 | С | 30.8 | С | 32.4 | С | 32.7 | С | 28.0 | С |
| 27 | Washington Street/ | AM | 12.5 | В | 13.1 | В | 12.7 | В | 12.5 | В | 14.9 | Е |
| | San Diego Avenue | PM | 13.6 | В | 14.1 | В | 14.1 | В | 14.0 | В | 16.8 | В |
| 28 | Rosecrans Street/ | AM | 36.1 | D | 36.4 | D | 36.1 | D | 36.2 | D | 37.3 | D |
| | Pacific Highway | PM | 39.1 | D | 44.8 | D | 41.3 | D | 41.9 | D | 43.0 | D |
| 29 | RosecransStreet/ | AM | 21.7 | С | 21.7 | С | 24.3 | С | 23.7 | С | 27.0 | С |
| | Nimitz Boulevard | PM | 24.9 | С | 25.2 | С | 26.7 | С | 26.5 | С | 29.1 | С |

LOS = level of service

Table D-91

2010-2030 Intersection Impacts – Airport Implementation Plan Alternative (With Parking Structure)

| | | | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
|-----------------|---|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Intersection | Intersection | Peak | No Proj | No Project | Diff. |
| Number | | Hour | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) |
| 1 | North Harbor Drive/ | AM | 20.2 | 20.2 | 0.0 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.7 | 21.8 | 0.1 |
| • | Nimitz Boulevard | PM | 20.7 | 20.6 | 0.1 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.6 | 21.7 | 0.1 |
| 2 | North Harbor Drive/ | AM | 6.7 | 6.8 | -0.1 | 7.2 | 7.3 | 0.1 | 7.4 | 7.6 | 0.2 | 7.6 | 7.8 | 0.2 | 7.6 | 7.8 | 0.2 |
| | McCain Road | PM | 9.1 | 9.1 | 0.0 | 9.9 | 10.0 | 0.1 | 10.2 | 10.3 | 0.1 | 10.3 | 10.4 | 0.1 | 10.3 | 10.4 | 0.1 |
| 3 | North Harbor Drive/ | AM | 10.1 | 9.3 | 0.8 | 10.9 | 10.0 | -0.9 | 11.2 | 10.2 | -1.0 | 11.7 | 10.6 | -1.1 | 13.1 | 12.3 | -0.8 |
| - | Spanish Landing | PM | 8.7 | 7.9 | 0.8 | 9.3 | 8.5 | -0.8 | 9.8 | 8.8 | -1.0 | 10.0 | 9.1 | -0.9 | 11.2 | 10.4 | -0.8 |
| 4 | North Harbor Drive/ | AM | 20.4 | 18.0 | 2.4 | 20.4 | 17.7 | -2.7 | 20.9 | 18.2 | -2.7 | 20.8 | 18.2 | -2.6 | 21.9 | 18.7 | -3.2 |
| | Harbor Island Drive | PM | 30.8 | 30.4 | 0.4 | 31.4 | 30.8 | -0.6 | 32.8 | 32.1 | -0.7 | 33.3 | 32.7 | -0.6 | 34.9 | 34.2 | -0.7 |
| 5 | North Harbor Drive/ | AM | 9.9 | 17.3 | -7.4 | 10.6 | 18.5 | 7.9 | 10.8 | 19.0 | 8.2 | 10.7 | 19.4 | 8.7 | 11.1 | 19.8 | 8.7 |
| | Winship Lane | PM | 9.6 | 14.5 | -4.9 | 10.3 | 15.5 | 5.2 | 10.4 | 15.8 | 5.4 | 10.6 | 16.4 | 5.8 | 10.7 | 16.5 | 5.8 |
| 6 | North Harbor Drive/ | AM | 6.7 | 7.3 | -0.6 | 7.5 | 8.2 | 0.7 | 8.2 | 9.2 | 1.0 | 8.8 | 10.1 | 1.3 | 9.0 | 10.7 | 1.7 |
| | Rental Car Road | PM | 7.6 | 8.3 | -0.7 | 8.5 | 9.2 | 0.7 | 9.2 | 10.0 | 0.8 | 9.6 | 10.7 | 1.1 | 10.0 | 11.4 | 1.4 |
| 7 | Sheraton | AM | 12.4 | 12.4 | 0.0 | 12.3 | 12.3 | 0.0 | 12.0 | 12.0 | 0.0 | 11.8 | 11.7 | -0.1 | 11.6 | 11.6 | 0.0 |
| | Harbor Island Drive | PM | 7.6 | 7.6 | 0.0 | 7.4 | 7.4 | 0.0 | 7.2 | 7.2 | 0.0 | 7.0 | 7.0 | 0.0 | 6.9 | 6.9 | 0.0 |
| 8 | Employee Lot | AM | 9.8 | 9.8 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 |
| | Harbor Island Drive | PM | 10.1 | 10.1 | 0.0 | 10.1 | 10.1 | 0.0 | 10.2 | 10.2 | 0.0 | 10.2 | 10.2 | 0.0 | 10.1 | 10.2 | 0.1 |
| 9 | Sassafras Street/ | AM | 15.3 | 15.3 | 0.0 | 15.4 | 15.5 | 0.1 | 15.1 | 15.2 | 0.1 | 15.6 | 15.7 | 0.1 | 14.0 | 14.1 | 0.1 |
| | Pacific Highway | PM | 14.5 | 15.0 | -0.5 | 16.6 | 17.4 | 0.8 | 16.5 | 17.2 | 0.7 | 18.5 | 19.8 | 1.3 | 14.1 | 14.8 | 0.7 |
| 10 | Laurel Street/ | AM | 9.2 | 9.1 | 0.1 | 10.1 | 10.0 | -0.1 | 10.8 | 10.8 | 0.0 | 11.3 | 11.4 | 0.1 | 10.5 | 10.8 | 0.3 |
| | North Harbor Drive | PM | 15.5 | 15.4 | 0.1 | 16.3 | 16.2 | -0.1 | 18.7 | 18.6 | -0.1 | 19.3 | 19.6 | 0.3 | 19.4 | 20.3 | 0.9 |
| 11 | Hawthorn Street/ | AM | 31.8 | 30.8 | 1.0 | 49.6 | 47.8 | -1.8 | 112.8 | 111.4 | -1.4 | 131.7 | 133.7 | 2.0 | 173.0 | 180.3 | 7.3 |
| | North Harbor Drive | PM | 23.2 | 23.0 | 0.2 | 25.2 | 24.9 | -0.3 | 33.7 | 33.3 | -0.4 | 40.7 | 41.6 | 0.9 | 55.9 | 61.1 | 5.2 |
| 12 | Grape Street/ | AM | 8.2 | 8.2 | 0.0 | 8.4 | 8.4 | 0.0 | 8.3 | 8.4 | 0.1 | 8.4 | 8.5 | 0.1 | 8.3 | 8.5 | 0.2 |
| | North Harbor Drive | PM | 10.9 | 10.9 | 0.0 | 11.0 | 11.0 | 0.0 | 10.7 | 10.7 | 0.0 | 11.0 | 11.1 | 0.1 | 10.9 | 11.0 | 0.1 |
| 13 | Laurel Street/ | AM | 32.1 | 32.1 | 0.0 | 33.7 | 33.7 | 0.0 | 33.9 | 33.9 | 0.0 | 34.4 | 34.5 | 0.1 | 33.7 | 34.0 | 0.3 |
| | Pacific Highway | PM | 49.0 | 48.9 | 0.1 | 62.4 | 62.3 | -0.1 | 59.5 | 59.4 | -0.1 | 53.1 | 53.5 | 0.4 | 60.4 | 61.7 | 1.3 |
| 14 | Hawthorn Street/ | AM | 12.6 | 12.5 | 0.1 | 14.3 | 14.1 | -0.2 | 15.8 | 15.7 | -0.1 | 17.7 | 17.6 | -0.1 | 18.9 | 19.3 | 0.4 |
| | Pacific Highway | PM | 21.0 | 20.9 | 0.1 | 22.0 | 21.9 | -0.1 | 22.9 | 22.8 | -0.1 | 23.8 | 23.8 | 0.0 | 23.3 | 23.4 | 0.1 |
| 15 | Grape Street/ | AM | 18.5 | 18.5 | 0.0 | 19.0 | 19.1 | 0.1 | 19.9 | 19.9 | 0.0 | 20.3 | 20.4 | 0.1 | 20.2 | 20.3 | 0.1 |
| | Pacific Highway | PM | 26.2 | 26.1 | 0.1 | 32.8 | 32.8 | 0.0 | 53.1 | 53.6 | 0.5 | 68.6 | 69.9 | 1.3 | 56.5 | 58.6 | 2.1 |
| 16 | Laurel Street/ | AM | 18.9 | 18.8 | 0.1 | 19.6 | 19.5 | -0.1 | 19.8 | 19.6 | -0.2 | 19.9 | 19.8 | -0.1 | 21.9 | 21.9 | 0.0 |
| | Kettner Boulevard | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.8 | -0.1 | 25.9 | 25.5 | -0.4 | 24.8 | 24.5 | -0.3 | 31.9 | 32.0 | 0.1 |
| 17 | Hawthorn Street/ | AM | 5.5 | 5.5 | 0.0 | 6.2 | 6.2 | 0.0 | 10.3 | 10.3 | 0.0 | 9.6 | 9.6 | 0.0 | 13.0 | 13.4 | 0.4 |
| | Kettner Boulevard | PM | 10.9 | 10.9 | 0.0 | 11.3 | 11.2 | -0.1 | 15.6 | 15.5 | -0.1 | 13.9 | 13.8 | -0.1 | 14.2 | 14.2 | 0.0 |
| 18 | Grape Street/ | AM | 12.4 | 12.4 | 0.0 | 13.1 | 13.1 | 0.0 | 14.8 | 14.8 | 0.0 | 14.2 | 14.1 | -0.1 | 14.8 | 14.7 | -0.1 |
| | Kettner Boulevard | PM | 16.7 | 16.6 | 0.1 | 22.8 | 22.7 | -0.1 | 55.3 | 55.4 | 0.1 | 54.0 | 55.2 | 1.2 | 77.1 | 80.0 | 2.9 |
| 19 | Grape Street/ | AM | 11.1 | 11.1 | 0.0 | 8.9 | 10.8 | 1.9 | 11.6 | 11.5 | -0.1 | 11.5 | 11.6 | 0.1 | 15.1 | 15.3 | 0.2 |
| 00 | I-5 Southbound On-Ramp | PM AM | 28.6 11.1 | 28.0 11.0 | 0.6 0.1 | 35.2 | 34.6 10.6 | -0.6 0.0 | 32.9 10.8 | 11.4 10.8 | -21.5 0.0 | 38.6 19.6 | 38.9 | 0.3 -9.3 | 87.1 15.3 | 89.6 | 2.5 |
| 20 | Hawthorn Street/ I-5 Northbound Off-Ramp | PM | 11.1 | 11.0 | 0.1 | 10.6 12.0 | 12.0 | 0.0 | 12.1 | 10.8 | -1.4 | 16.4 | 10.3 11.5 | -9.3 -4.9 | 11.0 | 15.9 11.1 | 0.6 0.1 |
| 21 | Laurel Street/ | AM | 18.5 | 18.4 | 0.0 | 19.4 | 19.3 | -0.1 | 22.6 | 19.2 | -1.4 | 22.9 | 22.7 | -4.9 | 23.0 | 22.9 | -0.1 |
| 21 | India Street | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.9 | 0.0 | 22.0 | 22.0 | -0.1 | 26.8 | 22.7 | -4.5 | 32.4 | 22.9 | -10.2 |
| 22 | Sassafras Street/ | AM | 8.3 | 8.6 | -0.3 | 9.2 | 9.5 | 0.0 | 19.4 | 19.3 | -0.1 | 11.9 | 12.0 | 0.1 | 9.6 | 9.8 | 0.2 |
| 22 | Kettner Boulevard | PM | 11.1 | 11.6 | -0.5 | 12.5 | 13.1 | 0.6 | 121.5 | 123.1 | 1.6 | 82.1 | 84.6 | 2.5 | 62.5 | 66.8 | 4.3 |
| 23 | Sassafras Street/ | AM | 8.1 | 8.2 | -0.5 | 8.2 | 8.3 | 0.0 | 8.7 | 8.8 | 0.1 | 9.0 | 9.1 | 0.1 | 8.0 | 8.1 | 0.1 |
| 23 | India Street | PM | 13.5 | 13.8 | -0.1 | 17.3 | 17.8 | 0.1 | 15.3 | 15.6 | 0.3 | 15.7 | 16.1 | 0.1 | 16.6 | 17.7 | 1.1 |
| 24 | Washington Street/ | AM | 12.6 | 12.6 | 0.0 | 12.7 | 12.7 | 0.0 | 13.0 | 13.0 | 0.0 | 12.8 | 12.8 | 0.4 | 12.4 | 12.5 | 0.1 |
| 24 | Pacific Highway SB-Ramps | PM | 14.9 | 14.9 | 0.0 | 15.1 | 15.1 | 0.0 | 15.3 | 15.3 | 0.0 | 15.5 | 15.5 | 0.0 | 17.4 | 17.6 | 0.1 |
| 25 | Washington Street/ | AM | 33.5 | 33.5 | 0.0 | 46.7 | 46.7 | 0.0 | 56.0 | 56.3 | 0.3 | 59.8 | 60.9 | 1.1 | 31.1 | 31.6 | 0.5 |
| <u>د</u> ن | Pacific Highway NB-Ramps | PM | 67.7 | 68.5 | -0.8 | 107.8 | 100.5 | -7.3 | 130.2 | 59.3 | -70.9 | 156.4 | 156.7 | 0.3 | 79.3 | 79.8 | 0.5 |
| 26 | Washington Street/ | AM | 27.8 | 27.8 | 0.0 | 28.1 | 28.1 | 0.0 | 28.7 | 28.7 | 0.0 | 28.8 | 28.8 | 0.0 | 25.9 | 25.9 | 0.0 |
| 20 | Hancock Street | PM | 30.2 | 30.2 | 0.0 | 30.8 | 30.8 | 0.0 | 32.4 | 32.4 | 0.0 | 32.7 | 32.7 | 0.0 | 28.0 | 28.0 | 0.0 |
| 27 | Washington Street/ | AM | 12.5 | 12.5 | 0.0 | 13.1 | 13.1 | 0.0 | 12.7 | 12.7 | 0.0 | 12.5 | 12.5 | 0.0 | 15.0 | 14.9 | -0.1 |
| ۷, | San Diego Avenue | PM | 13.6 | 13.6 | 0.0 | 14.1 | 14.1 | 0.0 | 14.1 | 14.1 | 0.0 | 14.0 | 14.0 | 0.0 | 16.8 | 16.8 | 0.0 |
| 28 | Rosecrans Street/ | AM | 36.1 | 36.1 | 0.0 | 36.4 | 36.4 | 0.0 | 36.1 | 36.1 | 0.0 | 36.2 | 36.2 | 0.0 | 37.3 | 37.3 | 0.0 |
| 20 | Pacific Highway | PM | 39.1 | 39.1 | 0.0 | 44.8 | 44.8 | 0.0 | 41.3 | 41.3 | 0.0 | 41.9 | 41.9 | 0.0 | 42.9 | 43.0 | 0.1 |
| 29 | RosecransStreet/ | AM | 21.8 | 21.7 | 0.1 | 21.8 | 21.7 | -0.1 | 24.3 | 24.3 | 0.0 | 23.6 | 23.7 | 0.1 | 26.8 | 27.0 | 0.2 |
| 20 | Nimitz Boulevard | PM | 25.0 | 24.9 | 0.1 | 25.3 | 25.2 | -0.1 | 26.7 | 26.7 | 0.0 | 26.5 | 26.5 | 0.0 | 28.9 | 29.1 | 0.2 |
| Source: HNTR 20 | | | 20.0 | | Ų., | 0.0 | | Ţ., | | | 0.0 | 20.0 | 20.0 | 0.0 | _0.0 | | <u> </u> |



D.6.1.3.3 Freeway Segments

Table D-92 shows the freeway segment operations for each analysis year under the Implementation Plan Alternative (With Parking Structure). As shown, all freeway segments would operate at LOS D, E or F under the Implementation Plan <u>Alternative (With Parking Structure)</u> during either AM or PM peak hours or both.

Table D-93 compares the freeway segment densities under the Implementation Plan Alternative (With Parking Structure) against the No Project Alternative to identify freeway segment impacts based on significance criteria identified in Section D.2, measured by an increase in volume to capacity ratio of 0.01. It was assumed that an increase in volume to capacity ratio of 0.01 is equivalent to an increase in density of 1%. As shown, none of the freeway segments analyzed would be significantly impacted by the project.

Table D-92

2010-2030 Freeway Segment Operations – Airport Implementation Plan Alternative (With Parking Structure), 2010-2020

| SD I S | Freeway | | | 20 |)10 | | | | • | 20 |)15 | | | | | | 2020 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|------|-----------------|-----------------------|-----|
| 36 1-3 1 | rreeway | | AM | | | PM | | | AM | | | PM | | | AM | | | PI | М |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,000 | 34.7 | D | 8,600 | 42.7 | Е | 7,200 | 35.8 | Е | 8,400 | 41.8 | Е | 7,000 | 34.8 | D | 9,600 | 48.0 | F |
| I-8 | Old Town Avenue | 7,100 | 35.4 | E | 7,400 | 37.1 | E | 7,300 | 36.4 | Е | 7,400 | 36.9 | E | 6,900 | 34.6 | D | 8,900 | 44.6 | Е |
| Old Town Avenue | Washington Street | 5,800 | 29.2 | D | 6,200 | 30.8 | D | 6,000 | 29.9 | D | 6,200 | 31.1 | D | 5,200 | 25.8 | С | 6,400 | 31.9 | D |
| Washington Street | Pacific Highway Viaducts | 6,200 | 31.2 | D | 6,500 | 32.4 | D | 6,400 | 32.1 | D | 6,600 | 33.1 | D | 5,700 | 28.5 | D | 7,500 | 37.6 | Е |
| Pacific Highway Viaducts | India Street | 7,200 | 35.8 | Е | 8,200 | 41.1 | Е | 7,400 | 36.7 | Е | 8,400 | 42.0 | Е | 6,200 | 30.9 | D | 8,400 | 41.9 | Е |
| India Street | Hawthorn Street | 7,300 | 36.3 | Е | 8,400 | 42.0 | Е | 7,500 | 37.4 | Е | 8,400 | 41.8 | E | 6,500 | 32.5 | D | 8,800 | 44.1 | Е |
| Hawthorn Street | First Avenue | 6,100 | 30.5 | D | 7,500 | 37.4 | E | 6,300 | 31.4 | D | 7,400 | 36.9 | E | 5,400 | 26.8 | D | 7,600 | 37.9 | E |
| First Avenue | SR 163 | 6,500 | 32.3 | D | 9,300 | 46.5 | F | 6,600 | 33.1 | D | 9,400 | 46.9 | F | 5,800 | 28.8 | D | 9,500 | 47.6 | F |
| SR 163 | SR 94 | 3,700 | 18.4 | С | 5,300 | 26.3 | D | 3,900 | 19.4 | С | 5,400 | 26.7 | D | 3,500 | 17.2 | В | 5,400 | 27.2 | D |
| ND LC | F | | | 20 |)10 | | | | | 20 |)15 | | | | | 2020 | | | |
| NB 1-3 | Freeway | | AM | | | PM | | | AM | | | PM | | | AM | | | Al | М |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10.900 | 54.4 | F | 7.700 | 38.4 | Е | 11,400 | 56.7 | F | 7.900 | 39.5 | Е | 10.700 | 53.6 | F | 7.000 | 34.8 | D |
| SR 163 | First Avenue | 8.400 | 41.7 | Е | 7.800 | 39.0 | Е | 8.600 | 42.8 | Е | 7.900 | 39.3 | Е | 8.300 | 41.2 | Е | 7.600 | 37.9 | Е |
| First Avenue | Hawthorn Street | 7,000 | 35.0 | Е | 6,500 | 32.2 | D | 7,100 | 35.4 | Е | 6,500 | 32.3 | D | 6,600 | 33.1 | D | 5,800 | 29.0 | D |
| Hawthorn Street | India Street | 7.200 | 36.0 | Е | 7,700 | 38.5 | Е | 7.300 | 36.3 | Е | 7,700 | 38.6 | Е | 7.000 | 35.1 | Е | 7.300 | 36.6 | Е |
| India Street | Pacific Highway Viaducts | 7,200 | 35.7 | Е | 7,600 | 37.7 | Е | 7,200 | 36.1 | Е | 7,600 | 37.8 | E | 6,900 | 34.6 | D | 6,900 | 34.4 | D |
| Pacific Highway Viaducts | Washington Street | 5,300 | 26.4 | D | 6,500 | 32.2 | D | 5,100 | 25.2 | С | 6,100 | 30.6 | D | 4,800 | 24.0 | С | 5,600 | 28.1 | D |
| Washington Street | Old Town Avenue | 6,000 | 29.8 | D | 7,100 | 35.5 | Е | 6,100 | 30.5 | D | 7,200 | 35.7 | Е | 6,000 | 29.9 | D | 7,100 | 35.3 | Е |
| Old Town Avenue | I-8 | 5,900 | 29.2 | D | 7,300 | 36.4 | E | 6,100 | 30.2 | D | 7,400 | 36.8 | E | 5,800 | 28.8 | D | 7,000 | 34.7 | D |
| I-8 | North of I-8 | 7,400 | 36.7 | Е | 7,500 | 37.2 | Е | 7,400 | 37.1 | E | 7,700 | 38.2 | Е | 7,400 | 37.1 | E | 7,800 | 39.1 | Е |
| | | | | 20 | 010 | | | | | 20 | 15 | | | | | 2020 | • | - | |
| I-8 Fr | reeway | | AM | | | PM | | | AM | | | PM | | | AM | | | ΑI | М |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,800 | 29.1 | D | 7,900 | 39.2 | Е | 5,900 | 29.4 | D | 7,800 | 38.9 | E | 5,000 | 25.2 | С | 7,600 | 38.0 | Е |
| East | I-5 | 7.100 | 35.6 | F | 7.200 | 36.1 | E | 7.200 | 35.7 | F | 7.600 | 37.8 | E | 6.700 | 33.5 | D | 7.100 | 35.6 | E |

Notes: vph = vehicles per hour pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Table D-92 (continued)

2010-2030 Freeway Segment Operations – Airport Implementation Plan Alternative (With Parking Structure), 2025-2030

| SB L5 | Freeway | | | 20 | 25 | | | | | 20 |)30 | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|
| 30 1-3 | - rieeway | | AM | | | PM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| North of I-8 | I-8 | 7,100 | 35.6 | Е | 9,500 | 47.3 | F | 7,600 | 38.1 | Е | 9,200 | 46.0 | F |
| I-8 | Old Town Avenue | 7,100 | 35.5 | E | 8,900 | 44.2 | Е | 7,600 | 37.7 | Е | 8,400 | 42.1 | E |
| Old Town Avenue | Washington Street | 5,300 | 26.5 | D | 6,400 | 32.0 | D | 5,600 | 27.7 | D | 6,400 | 31.8 | D |
| Washington Street | Pacific Highway Viaducts | 6,000 | 29.8 | D | 7,600 | 38.0 | E | 6,100 | 30.4 | D | 7,000 | 34.8 | D |
| Pacific Highway Viaducts | India Street | 6,500 | 32.2 | D | 8,500 | 42.3 | Е | 6,700 | 33.4 | D | 8,300 | 41.4 | Е |
| India Street | Hawthorn Street | 6,800 | 33.7 | D | 8,900 | 44.5 | E | 6,900 | 34.6 | D | 8,600 | 42.8 | Е |
| Hawthorn Street | First Avenue | 5,600 | 27.9 | D | 7,800 | 38.8 | Е | 5,600 | 28.1 | D | 7,800 | 39.0 | Е |
| First Avenue | SR 163 | 6,100 | 30.2 | D | 9,700 | 48.6 | F | 6,100 | 30.5 | D | 9,800 | 49.1 | F |
| SR 163 | SR 94 | 3,600 | 17.9 | В | 5,600 | 28.1 | D | 3,700 | 18.3 | С | 5,500 | 27.4 | D |
| | | | | 20 | 25 | | | | | 20 | 030 | • | |
| NB I-5 | Freeway | | AM | | | AM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| SR 94 | SR 163 | 10.900 | 54.4 | F | 7.100 | 35.5 | E | 10.700 | 53.6 | F | 7.500 | 37.3 | Е |
| SR 163 | First Avenue | 8.400 | 41.9 | Е | 7,700 | 38.5 | Е | 8.100 | 40.5 | Е | 7,700 | 38.2 | Е |
| First Avenue | Hawthorn Street | 6.600 | 32.7 | D | 5.900 | 29.2 | D | 6.300 | 31.5 | D | 6.200 | 30.7 | D |
| Hawthorn Street | India Street | 7.000 | 34.7 | D | 7.400 | 36.9 | Е | 6.400 | 32.0 | D | 7.900 | 39.6 | Е |
| India Street | Pacific Highway Viaducts | 6.800 | 34.2 | D | 7.000 | 34.8 | D | 6.400 | 31.7 | D | 7.200 | 35.8 | Е |
| Pacific Highway Viaducts | Washington Street | 4.700 | 23.4 | С | 5.600 | 28.0 | D | 4.400 | 21.8 | С | 5.900 | 29.6 | D |
| Washington Street | Old Town Avenue | 5,900 | 29.4 | D | 7,100 | 35.4 | E | 5,600 | 27.9 | D | 7,100 | 35.5 | E |
| Old Town Avenue | I-8 | 5,700 | 28.2 | D | 6,900 | 34.3 | D | 5,300 | 26.6 | D | 7,200 | 35.8 | Е |
| I-8 | North of I-8 | 7,500 | 37.2 | Е | 7,900 | 39.2 | Е | 7,500 | 37.5 | Е | 8,600 | 43.0 | Е |
| | • | | | 20 | 25 | • | | | | 20 |)30 | • | |
| I-8 Fr | eeway | | AM | | | AM | | | AM | | | PM | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS |
| I-5 | East | 5,100 | 25.3 | С | 7,600 | 37.8 | Е | 4,900 | 24.4 | С | 7,500 | 37.2 | Е |
| East | I-5 | 7.000 | 34.7 | D | 7.200 | 36.1 | E | 7,300 | 36.3 | Е | 7,100 | 35.4 | E |

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Table D-93

2010-2030 Freeway Segment Impacts – AM Peak Hour – Airport Implementation Plan Alternative (With Parking Structure)

| AM Pe | ak Hour | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| SB I-5 | Freeway | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| North of I-8 | I-8 | 34.7 | 34.7 | 0.0% | 35.8 | 35.8 | 0.0% | 34.8 | 34.8 | 0.0% | 35.6 | 35.6 | 0.2% | 38.0 | 38.1 | 0.3% |
| I-8 | Old Town Avenue | 35.4 | 35.4 | 0.1% | 36.4 | 36.4 | 0.1% | 34.5 | 34.6 | 0.1% | 35.4 | 35.5 | 0.2% | 37.5 | 37.7 | 0.4% |
| Old Town Avenue | Washington Street | 29.1 | 29.2 | 0.1% | 29.9 | 29.9 | 0.1% | 25.7 | 25.8 | 0.2% | 26.5 | 26.5 | 0.3% | 27.6 | 27.7 | 0.5% |
| Washington Street | Pacific Highway Viaducts | 31.2 | 31.2 | 0.0% | 32.1 | 32.1 | 0.0% | 28.5 | 28.5 | 0.0% | 29.8 | 29.8 | 0.0% | 30.4 | 30.4 | 0.0% |
| Pacific Highway Viaducts | India Street | 35.8 | 35.8 | 0.1% | 36.7 | 36.7 | 0.1% | 30.9 | 30.9 | 0.1% | 32.2 | 32.2 | 0.1% | 33.4 | 33.4 | 0.1% |
| India Street | Hawthorn Street | 36.3 | 36.3 | 0.1% | 37.4 | 37.4 | 0.1% | 32.5 | 32.5 | 0.1% | 33.7 | 33.7 | 0.1% | 34.5 | 34.6 | 0.1% |
| Hawthorn Street | First Avenue | 30.5 | 30.5 | 0.0% | 31.4 | 31.4 | 0.0% | 26.8 | 26.8 | 0.1% | 27.8 | 27.9 | 0.2% | 28.0 | 28.1 | 0.5% |
| First Avenue | SR 163 | 32.3 | 32.3 | 0.0% | 33.1 | 33.1 | 0.0% | 28.8 | 28.8 | 0.1% | 30.1 | 30.2 | 0.2% | 30.4 | 30.5 | 0.5% |
| SR 163 | SR 94 | 18.4 | 18.4 | 0.0% | 19.4 | 19.4 | 0.0% | 17.2 | 17.2 | 0.1% | 17.8 | 17.9 | 0.4% | 18.2 | 18.3 | 0.8% |
| | • | | | | | | | | | | | • | | | | |
| NB I-5 | Freeway | | | | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| SR 94 | SR 163 | 54.4 | 54.4 | 0.0% | 56.7 | 56.7 | 0.0% | 53.6 | 53.6 | 0.1% | 54.3 | 54.4 | 0.2% | 53.4 | 53.6 | 0.4% |
| SR 163 | First Avenue | 41.7 | 41.7 | 0.0% | 42.7 | 42.8 | 0.0% | 41.2 | 41.2 | 0.1% | 41.8 | 41.9 | 0.3% | 40.3 | 40.5 | 0.5% |
| First Avenue | Hawthorn Street | 35.0 | 35.0 | 0.0% | 35.4 | 35.4 | 0.0% | 33.1 | 33.1 | 0.1% | 32.6 | 32.7 | 0.3% | 31.3 | 31.5 | 0.7% |
| Hawthorn Street | India Street | 35.9 | 36.0 | 0.1% | 36.3 | 36.3 | 0.1% | 35.1 | 35.1 | 0.2% | 34.6 | 34.7 | 0.2% | 31.9 | 32.0 | 0.2% |
| India Street | Pacific Highway Viaducts | 35.7 | 35.7 | 0.0% | 36.1 | 36.1 | 0.0% | 34.6 | 34.6 | 0.0% | 34.2 | 34.2 | 0.0% | 31.7 | 31.7 | 0.0% |
| Pacific Highway Viaducts | Washington Street | 26.4 | 26.4 | 0.0% | 25.2 | 25.2 | 0.0% | 24.0 | 24.0 | 0.0% | 23.4 | 23.4 | 0.0% | 21.8 | 21.8 | 0.0% |
| Washington Street | Old Town Avenue | 29.8 | 29.8 | 0.1% | 30.5 | 30.5 | 0.0% | 29.9 | 29.9 | 0.1% | 29.3 | 29.4 | 0.2% | 27.8 | 27.9 | 0.3% |
| Old Town Avenue | I-8 | 29.2 | 29.2 | 0.1% | 30.2 | 30.2 | 0.0% | 28.8 | 28.8 | 0.1% | 28.2 | 28.2 | 0.2% | 26.5 | 26.6 | 0.3% |
| I-8 | North of I-8 | 36.7 | 36.7 | 0.0% | 37.1 | 37.1 | 0.0% | 37.1 | 37.1 | 0.0% | 37.2 | 37.2 | 0.1% | 37.4 | 37.5 | 0.2% |
| L-R Er | eewav | ı | | | ı | 1 | | | | | ı | ı | ı | 1 | | |
| From | То | No Project | Project | Percent | No Project | Project | Percen |
| | | (pc/mi/ln) | (pc/mi/ln) | Increase |
| I-5 | East | 29.1 | 29.1 | 0.0% | 29.4 | 29.4 | 0.0% | 25.2 | 25.2 | 0.0% | 25.3 | 25.3 | 0.1% | 24.4 | 24.4 | 0.3% |
| East | I-5 | 35.6 | 35.6 | 0.0% | 35.7 | 35.7 | 0.0% | 33.5 | 33.5 | 0.0% | 34.7 | 34.7 | 0.1% | 36.2 | 36.3 | 0.2% |

pc/mi/ln = passenger cars per mile per lane

Legend:

LOS E
LOS F
Significant Impact

Table D-93 (continued)

2010-2030 Freeway Segment Impacts – PM Peak Hour – Airport Implementation Plan Alternative (With Parking Structure)

| PM Pea | ak Hour | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------------|-----------------------|---------------------|
| SB I-5 I | Freeway | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| North of I-8 | I-8 | 42.7 | 42.7 | 0.0% | 41.8 | 41.8 | 0.0% | 48.0 | 48.0 | 0.0% | 47.2 | 47.3 | 0.1% | 45.9 | 46.0 | 0.2% |
| I-8 | Old Town Avenue | 37.1 | 37.1 | 0.1% | 36.9 | 36.9 | 0.0% | 44.6 | 44.6 | 0.0% | 44.1 | 44.2 | 0.1% | 42.0 | 42.1 | 0.2% |
| Old Town Avenue | Washington Street | 30.7 | 30.8 | 0.1% | 31.1 | 31.1 | 0.0% | 31.9 | 31.9 | 0.1% | 32.0 | 32.0 | 0.2% | 31.7 | 31.8 | 0.3% |
| Washington Street | Pacific Highway Viaducts | 32.4 | 32.4 | 0.0% | 33.1 | 33.1 | 0.0% | 37.6 | 37.6 | 0.0% | 38.0 | 38.0 | 0.0% | 34.8 | 34.8 | 0.0% |
| Pacific Highway Viaducts | India Street | 41.1 | 41.1 | 0.2% | 41.9 | 42.0 | 0.1% | 41.9 | 41.9 | 0.1% | 42.2 | 42.3 | 0.2% | 41.3 | 41.4 | 0.2% |
| India Street | Hawthorn Street | 41.9 | 42.0 | 0.2% | 41.7 | 41.8 | 0.1% | 44.0 | 44.1 | 0.1% | 44.5 | 44.5 | 0.2% | 42.7 | 42.8 | 0.2% |
| Hawthorn Street | First Avenue | 37.4 | 37.4 | 0.0% | 36.8 | 36.9 | 0.0% | 37.9 | 37.9 | 0.1% | 38.7 | 38.8 | 0.3% | 38.8 | 39.0 | 0.5% |
| First Avenue | SR 163 | 46.5 | 46.5 | 0.0% | 46.8 | 46.9 | 0.0% | 47.6 | 47.6 | 0.1% | 48.5 | 48.6 | 0.2% | 48.9 | 49.1 | 0.4% |
| SR 163 | SR 94 | 26.3 | 26.3 | 0.1% | 26.7 | 26.7 | 0.1% | 27.1 | 27.2 | 0.1% | 28.0 | 28.1 | 0.4% | 27.2 | 27.4 | 0.7% |
| | | | | | | | | | | | | | | | | |
| NB I-5 I | Freeway | | | | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| SR 94 | SR 163 | 38.4 | 38.4 | 0.0% | 39.5 | 39.5 | 0.0% | 34.8 | 34.8 | 0.0% | 35.4 | 35.5 | 0.2% | 37.2 | 37.3 | 0.4% |
| SR 163 | First Avenue | 39.0 | 39.0 | 0.0% | 39.3 | 39.3 | 0.0% | 37.9 | 37.9 | 0.0% | 38.5 | 38.5 | 0.2% | 38.0 | 38.2 | 0.4% |
| First Avenue | Hawthorn Street | 32.2 | 32.2 | 0.0% | 32.3 | 32.3 | 0.0% | 29.0 | 29.0 | 0.1% | 29.1 | 29.2 | 0.2% | 30.6 | 30.7 | 0.5% |
| Hawthorn Street | India Street | 38.5 | 38.5 | 0.1% | 38.5 | 38.6 | 0.1% | 36.5 | 36.6 | 0.1% | 36.8 | 36.9 | 0.1% | 39.5 | 39.6 | 0.1% |
| India Street | Pacific Highway Viaducts | 37.7 | 37.7 | 0.0% | 37.8 | 37.8 | 0.0% | 34.4 | 34.4 | 0.0% | 34.8 | 34.8 | 0.0% | 35.8 | 35.8 | 0.0% |
| Pacific Highway Viaducts | Washington Street | 32.2 | 32.2 | 0.0% | 30.6 | 30.6 | 0.0% | 28.1 | 28.1 | 0.0% | 28.0 | 28.0 | 0.0% | 29.6 | 29.6 | 0.0% |
| Washington Street | Old Town Avenue | 35.5 | 35.5 | 0.1% | 35.7 | 35.7 | 0.1% | 35.3 | 35.3 | 0.1% | 35.3 | 35.4 | 0.2% | 35.4 | 35.5 | 0.4% |
| Old Town Avenue | I-8 | 36.4 | 36.4 | 0.1% | 36.8 | 36.8 | 0.1% | 34.6 | 34.7 | 0.1% | 34.2 | 34.3 | 0.2% | 35.7 | 35.8 | 0.4% |
| I-8 | North of I-8 | 37.2 | 37.2 | 0.0% | 38.2 | 38.2 | 0.0% | 39.1 | 39.1 | 0.1% | 39.1 | 39.2 | 0.1% | 42.9 | 43.0 | 0.2% |
| I-8 Fr | eeway | | | | | | | | | | | | | l | l | |
| From | То | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase | No Project (pc/mi/ln) | Project (pc/mi/ln) | Percent Increase |
| I-5 | East | 39.2 | 39.2 | 0.0% | 38.9 | 38.9 | 0.0% | 38.0 | 38.0 | 0.0% | 37.8 | 37.8 | 0.1% | 37.1 | 37.2 | 0.2% |

0.0% 37.8 37.8 0.0% 35.6 35.6 0.0% 36.1

Source: HNTB, 2007

pc/mi/ln = passenger cars per mile per lane

LOS E
LOS F
Significant Impact

San Diego International Airport 139 SDIA Master Plan EIR

D.6.1.3.4 Freeway Ramps

Table D-94 summarizes the freeway ramp metering operations for each analysis year under the Implementation Plan Alternative (With Parking Structure). As shown, all freeway ramps in the study area were estimated to accommodate a lower traffic volume than their set meter rates and, therefore, would have no significant traffic impact.

Table D-94

2010-2030 Freeway Ramp Operations – Airport Implementation Plan Alternative (With Parking Structure)

| | | | | 2010 | | | | | 2015 | | |
|--------------------------|--------------|--------------------|-----------------------------------|---------------------------|--------------------|-----------------|--------------------|--------------------------------------|------------------------------|-----------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 799 | 1,992 | 0 | 0 | 0 | 525 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOTTI Satt Diego | PM | 871 | 1,992 | 0 | 0 | 0 | 505 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 766 | 1,992 | 0 | 0 | 0 | 1,042 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIUIA | PM | 830 | 1,992 | 0 | 0 | 0 | 1,119 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 107 | 996 | 0 | 0 | 0 | 124 | 996 | 0 | 0 | 0 |
| 1-5 SB HOITI Kellilei | PM | 190 | 996 | 0 | 0 | 0 | 138 | 996 | 0 | 0 | 0 |
| I-5 SB from | AM | 476 | 1,140 | 0 | 0 | 0 | 481 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 276 | 1,140 | 0 | 0 | 0 | 289 | 1,140 | 0 | 0 | 0 |

| | | | | 2020 | | | | | 2025 | | |
|--------------------------|--------------|--------------------|-----------------------------------|---------------------------|--------------------|-----------------|--------------------|--------------------------------------|------------------------------|-----------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 760 | 1,992 | 0 | 0 | 0 | 791 | 1,992 | 0 | 0 | 0 |
| 1-5 NB ITOTTI Salt Diego | PM | 889 | 1,992 | 0 | 0 | 0 | 670 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 869 | 1,992 | 0 | 0 | 0 | 704 | 1,992 | 0 | 0 | 0 |
| 1-5 IND HOIH IIIUIA | PM | 1,089 | 1,992 | 0 | 0 | 0 | 1,067 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 139 | 996 | 0 | 0 | 0 | 139 | 996 | 0 | 0 | 0 |
| 1-5 SB HOTH Kettrier | PM | 243 | 996 | 0 | 0 | 0 | 257 | 996 | 0 | 0 | 0 |
| 1.5.0D f 0 | AM | 876 | 1,992 | 0 | 0 | 0 | 987 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Grape | PM | 1,706 | 1,992 | 0 | 0 | 0 | 1,817 | 1,992 | 0 | 0 | 0 |
| I-5 SB from | AM | 524 | 1,140 | 0 | 0 | 0 | 570 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 919 | 1,140 | 0 | 0 | 0 | 896 | 1,140 | 0 | 0 | 0 |

| | | | | 2030 | | |
|--------------------------|--------------|--------------------|-----------------------------------|---------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 890 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII Sail Diego | PM | 707 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 1,337 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIdia | PM | 1,674 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 95 | 996 | 0 | 0 | 0 |
| 1-5 SB HOITI Kettilei | PM | 182 | 996 | 0 | 0 | 0 |
| I-5 SB from Grape | AM | 1,045 | 1,992 | 0 | 0 | 0 |
| 1-5 SB IIOIII Grape | PM | 1,923 | 1,992 | 0 | 0 | 0 |
| I-5 SB from | AM | 594 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 477 | 1,140 | 0 | 0 | 0 |

Source: HNTB, 2007

veh/hr = vehicles per hour

D.6.1.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis¹⁷ report. Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44%

Linscott, Law & Greenspan Engineers March 3, 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.

increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32 trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips. For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-95 summarizes the railroad crossing delay analysis for each analysis year under the Airport Implementation Plan Alternative (with Parking Structure). As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in 2010, 2015 and 2030. Washington Street railroad crossings exceeded the threshold of VHD in 2020 and 2025. However, due to shifts in regional background traffic described in Section D.2.1.1 *Airport Trip Generation and Background Traffic*, total traffic on Washington Street in 2030 decreased, causing in the VHD to decrease to a level of insignificance.

Table D-95

2010-2030 Railroad Crossing Operations –Airport Implementation Plan Alternative
(With Parking Structure)

| | (With Pa | rking St | ructure) | | |
|--------------------|-----------|----------|------------|------|-----------|
| | | | Year 2010 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 20,400 | 4.76 | 64 | No |
| Sassafras Street | 75 | 14,400 | 3.44 | 23 | No |
| Palm Street | 75 | 900 | 3.44 | 0 | No |
| Laurel Street | 300 | 25,100 | 0.77 | 1 | No |
| Hawthorn Street | 150 | 18,500 | 0.77 | 10 | No |
| Grape Street | 300 | 29,000 | 0.77 | 18 | No |
| | | | | | |
| | | | Year 2015 | | 1 |
| | | | Total gate | | |
| | | | down time | | l |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limi |
| Washington Street | 150 | 23,300 | 8.53 | 134 | No |
| Sassafras Street | 150 | 16,600 | 6.13 | 49 | No |
| Palm Street | 75 | 900 | 6.13 | 0 | No |
| Laurel Street | 300 | 28,900 | 0.80 | 1 | No |
| Hawthorn Street | 150 | 20,700 | 0.80 | 12 | No |
| Grape Street | 300 | 31,700 | 0.80 | 22 | No |
| | | | \/ 0000 | | |
| | | | Year 2020 | | 1 |
| | | | Total gate | | |
| | \ // ID | ADT | down time | | ١ |
| | VHD | ADT | per day | \ | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,500 | 8.94 | 152 | Yes |
| Sassafras Street | 150 | 16,900 | 6.46 | 54 | No |
| Palm Street | 75 | 300 | 6.46 | 0 | No |
| Laurel Street | 300 | 30,300 | 1.13 | 1 | No |
| Hawthorn Street | 150 | 23,400 | 1.13 | 24 | No |
| Grape Street | 300 | 34,600 | 1.13 | 44 | No |
| | | | Year 2025 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limi |
| Washington Street | 150 | 24,900 | 9.41 | 165 | Yes |
| Sassafras Street | 150 | 18,400 | 6.79 | 64 | No |
| Palm Street | 75 | 100 | 6.79 | 0 | No |
| Laurel Street | 300 | 31,800 | 1.46 | 0 | No |
| Hawthorn Street | 150 | 24,800 | 1.46 | 31 | No |
| Grape Street | 300 | 35,900 | 1.46 | 60 | No |
| Crapo Ciroti | 000 | 00,000 | 1.10 | - 00 | 110 |
| | | | Year 2030 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 19,200 | 9.95 | 126 | No |
| Sassafras Street | 75 | 14,600 | 7.18 | 51 | No |
| Palm Street | 75 | 100 | 7.18 | 0 | No |
| Laurel Street | 300 | 34,700 | 1.85 | 0 | No |
| Hawthorn Street | 300 | 26,600 | 1.85 | 44 | No |
| Grape Street | 300 | 37,700 | 1.85 | 83 | No |
| Source: HNTB. 2007 | | . , | | | |

VHD = vehicle-hours of delay ADT = average daily traffic

D.6.1.3.6 Transit

Under the Implementation Plan Alternative no existing or planned transit routes would be modified. Therefore, no adverse impacts would occur to transit operations and no mitigation is required.

D.6.1.3.7 Parking

The Implementation Plan Alternative would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. In addition, the Implementation Plan Alternative (With Parking Structure) would provide additional airport public parking spaces (as previously discussed in Section D.6.1) that would address the projected parking shortfall under the No Project Alternative. This is considered as a favorable parking impact of the Implementation Plan Alternative compared to the No Project Alternative.

The East <u>Terminal</u> Alternative would replace the existing Commuter Terminal public and employee lots (Lot 7 and 8) with a parking structure. The new parking structure was assumed to accommodate displaced parkers from both of these lots.

D.6.1.3.8 Terminal Curbside

Currently 6,630 linear feet of curbside is available between all three terminals. In 2015, 7,240 linear feet of curbside is required at Terminals 1 and 2 and the Commuter Terminal to accommodate private and commercial vehicle demand. The No Project Alternative would maintain the existing curbside supply, which would result in a curbside deficit of 610 linear feet. Under the Implementation Plan Alternative approximately 1,000 additional linear feet of curbside would be provided on a second level at Terminal 1.

East and there would be an airport-wide surplus of 380 linear feet in 2015. Therefore, the Implementation Plan Alternative would result in favorable curbside impact compared to the No Project Alternative.

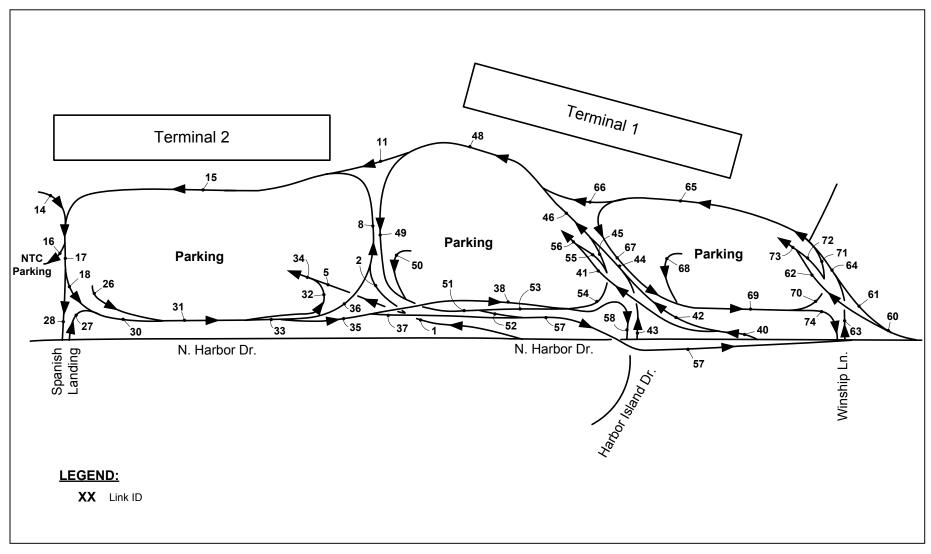
D.6.1.3.9 On-Airport Traffic Circulation

Under the Airport Implementation Plan Alternative, new on-airport roadways and curbs would be constructed to serve the new T1E unit terminal and parking structure. It is assumed that primary access to T1E would be provided in the vicinity of Winship Lane, with an access ramp similar to the one currently serving Terminal 1 from westbound North Harbor Drive. The T1E roadway would have a connection to the existing T1 roadway, so that shuttles could go from T1E to T1 without exiting to North Harbor Drive.

Table D-96 shows the on-airport roadway operations for each analysis year under the Implementation Plan Alternative (With Parking Structure). Refer to Figure D.6-1 for Link ID Key Map. As shown, all terminal roadways would operate at LOS D or better during peak hours under the Implementation Plan Alternative. Therefore, the Implementation Plan Alternative would have no adverse on-airport traffic circulation impacts compared to the No Project Alternative, and no mitigation is required.

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT







Appendix D.6-1

On-Airport Roadway Link ID Key Map Airport Implementation Plan Alternative (with Parking Structure)

Table D-96
2010-2030 On-Airport Roadway Peak Hour Operations – Airport Implementation Plan Alternative (With Parking Structure)

| | | AM | | 10 PM | LOS | AM | | 15 | LOS | AM I | | 20 PM | 100 | AM | |)25 PM | 1.00 | ΔΜ | | 30 PM | 100 |
|-----------------|------------|-----------|----------|--------------------|--------|-----------|-----------|--------------------|--------|--|------------|---------------|----------|--|------------|---------------|----------|--|-----------|--------------------|----------|
| Link ID | Lanes 2 | 381 | LOS A | 315 | A | 455 | LOS A | PM 378 | A | 478 | LOS B | 398 | LOS A | 510 | LOS B | 425 | LOS A | 520 | LOS B | 436 | LOS A |
| 2 | 2 | 315 | A | 267 | A | 379 | A | 324 | A | 402 | A | 345 | Â | 434 | A | 371 | A | 448 | A | 384 | A |
| 3 | | 0.10 | | ot Used | , | 0.0 | | ot Used | , | 102 | | ot Used | | | | ot Used | | - 110 | | ot Used | |
| 4 | | | Link No | ot Used | | | | ot Used | | | Link No | ot Used | | | Link No | ot Used | | | Link No | ot Used | |
| 5 | 2 | 66 | Α | 48 | Α | 76 | A | 54 | Α | 76 | Α | 53 | A | 76 | Α | 54 | Α | 73 | Α | 52 | Α |
| <u>6</u> 7 | | | | ot Used ot Used | | | | ot Used ot Used | | | Link No | | | | Link No | | | | | ot Used ot Used | |
| - 8 | 3 | 402 | A LINK N | 341 | A | 482 | A LINK IN | 411 | A | 514 | A LINK INC | 440 | Ι . | 553 | A LINK INC | 473 | A | 596 | A LINK N | 512 | A |
| 9 | - J | 402 | | ot Used | | 402 | | ot Used | | 014 | Link No | | | 555 | | ot Used | | 550 | | ot Used | |
| 10 | | | | ot Used | | | | ot Used | | | Link No | | | | Link No | | | | | ot Used | |
| 11 | 1 | 161 | Α | 186 | Α | 182 | Α | 211 | Α | 198 | Α | 228 | Α | 209 | Α | 242 | В | 218 | Α | 253 | В |
| 12 | | | | ot Used | | | | ot Used | | | Link No | | | | | ot Used | | | | ot Used | |
| 13 14 | - | 57 | Link No | ot Used 50 | А | 65 | A Link No | ot Used 57 | A | 70 | Link No | ot Used 62 | А | 74 | A Link No | ot Used 65 | A | 77 | A Link No | ot Used 67 | A |
| 15 | 4 | 563 | A | 527 | A | 664 | A | 622 | A | 712 | A | 668 | A | 762 | A | 715 | A | 814 | A | 765 | A |
| 16 | 1 | 12 | A | 12 | A | 12 | A | 12 | A | 12 | A | 12 | Ä | 12 | A | 12 | A | 12 | A | 12 | A |
| 17 | 4 | 608 | Α | 565 | Α | 717 | Α | 667 | Α | 769 | Α | 718 | Α | 824 | Α | 768 | Α | 879 | Α | 820 | Α |
| 18 | 2 | 484 | В | 457 | Α | 574 | В | 542 | В | 617 | В | 584 | В | 662 | В | 626 | В | 686 | В | 652 | В |
| 19 | | | | ot Used | | | | ot Used | | | Link No | | | | | ot Used | | | | ot Used | |
| 20 21 | | | | ot Used ot Used | | — | | ot Used ot Used | | - | Link No | ot Used | | | Link No | ot Used | | | Link No | ot Used | |
| 21 | \vdash | | | ot Used ot Used | | | | ot Used | | | Link No | | | | Link No | | | | Link No | | |
| 23 | | | Link No | | | | Link No | | | | Link No | | | | Link No | | | | Link No | | |
| 24 | | | Link No | ot Used | | | | ot Used | | | Link No | ot Used | | | Link No | ot Used | | | Link No | ot Used | |
| 25 | | | | ot Used | | | | ot Used | | | Link No | | | | Link No | | | | | ot Used | |
| 26 | 1 | 40 | A | 86 | A | 46 | A | 99 | A | 46 | A | 98 | A | 46 | A | 99 | A | 46 | A | 99 | A |
| 27 28 | 3 | 68 124 | A A | 56 108 | A | 81 143 | A A | 67 125 | A | 85 153 | A A | 71 134 | A A | 91 162 | A A | 76 142 | A A | 122 193 | A | 102 169 | A A |
| 29 | | 124 | | of Used | А | 143 | | ot Used | A | 100 | | ot Used | Α | 102 | | ot Used | A | 193 | | ot Used | Α |
| 30 | 2 | 552 | B | 513 | В | 655 | В | 609 | В | 702 | В | 655 | В | 753 | В | 702 | В | 808 | C | 754 | В |
| 31 | 3 | 592 | Α | 599 | Α | 701 | Α | 708 | В | 748 | В | 753 | В | 798 | В | 801 | В | 854 | В | 853 | В |
| 32 | 1 | 12 | Α | 8 | Α | 14 | Α | 10 | Α | 13 | Α | 10 | Α | 14 | A | 10 | Α | 17 | Α | 12 | A |
| 33 | 3 | 580 | A | 591 | Α | 687 | A | 698 | Α | 735 | В | 743 | В | 784 | В | 791 | В | 837 | В | 841 | В |
| 34 35 | 2 | 78 493 | A B | 56 517 | A B | 90 584 | A B | 64 610 | A B | 89 623 | A B | 63 648 | A B | 90 666 | A B | 64 689 | A B | 90 688 | A B | 64 713 | A B |
| 36 | 1 | 87 | A | 73 | A | 103 | A | 88 | A | 111 | A | 95 | A | 119 | A | 102 | A | 149 | A | 128 | A |
| 37 | 1 | 452 | Ĉ | 468 | Ĉ | 539 | C | 558 | Ĉ | 576 | Ĉ | 594 | D | 617 | D | 634 | D | 637 | D | 653 | D |
| 38 | 1 | 41 | A | 48 | A | 45 | A | 53 | A | 47 | A | 54 | Α | 48 | Α | 56 | А | 51 | Α | 60 | A |
| 39 | | | | ot Used | | | | ot Used | | | Link No | | | | | ot Used | | | | ot Used | |
| 40 | 2 | 180 | A | 148 | A | 211 | A | 175 | A | 275 | A | 227 | A | 298 | A | 247 | A | 309 | A | 256 | A |
| 41 | 2 | 33 147 | A | 23 124 | A A | 39 172 | A A | 28 147 | A | 55 220 | A A | 39 188 | A A | 62 236 | A A | 44 202 | A | 62 247 | A A | 44 212 | A A |
| 43 | 1 | 34 | A | 28 | A | 41 | A | 33 | A | 53 | A | 44 | A | 57 | A | 47 | A | 77 | A | 64 | A |
| 44 | 3 | 181 | A | 153 | A | 213 | A | 180 | A | 273 | A | 232 | A | 293 | A | 250 | A | 324 | A | 276 | A |
| 45 | 1 | 14 | Α | 12 | Α | 16 | Α | 14 | Α | 18 | Α | 15 | Α | 19 | Α | 16 | А | 20 | Α | 17 | A |
| 46 | 3 | 195 | Α | 164 | Α | 229 | Α | 194 | Α | 291 | Α | 247 | Α | 312 | Α | 266 | Α | 345 | Α | 293 | A |
| 47 | | 0.10 | Link No | | | 005 | | ot Used | | 474 | | ot Used | | 500 | Link No | | | 5.10 | Link N | | |
| 48 | 4 | 342 | A | 339 | A | 395 | A | 391 | A | 471 273 | A | 460 | A | 502 293 | A | 492 | A | 542 324 | Α Α | 529 | A |
| <u>49</u> 50 | 1 | 181 20 | A A | 153 43 | A A | 213 24 | A A | 180 51 | A | 34 | A A | 232 72 | A A | 38 | A A | 250 82 | A A | 40 | A A | 276 85 | A A |
| 51 | 3 | 201 | Ä | 196 | A | 237 | A | 231 | A | 307 | A | 304 | Ä | 331 | A | 332 | A | 364 | A | 361 | A |
| 52 | 2 | 164 | Α | 160 | Α | 192 | Α | 190 | Α | 248 | Α | 248 | Α | 268 | Α | 271 | Α | 279 | Α | 280 | Α |
| 53 | 1 | 38 | A | 35 | A | 44 | A | 42 | A | 58 | A | 55 | A | 63 | A | 60 | A | 85 | A | 81 | A |
| 54 | 1 | 20 | A | 17 | A | 24 | A | 19 | A | 29 | A | 23 | A | 31 | A | 25 | A | 35 | A | 28 | A |
| 55 56 | 2 | 6 39 | A A | 5 28 | A A | 8 47 | A A | 5 33 | A | 11 66 | A A | 8 47 | A A | 12 74 | A A | 9 53 | A A | 15 77 | A A | 11 55 | A A |
| 57 | 2 | 616 | A | 629 | B | 731 | B | 747 | B | 825 | B | 842 | B | 885 | B | 905 | B | 916 | B | 933 | B |
| 58 | 2 | 58 | A | 67 | A | 66 | A | 75 | A | 77 | A | 87 | A | 80 | A | 91 | A | 101 | A | 113 | A |
| 59 | | | Link No | ot Used | • | | Link No | ot Used | • | | Link No | ot Used | | | Link No | ot Used | • | | Link No | ot Used | |
| 60 | 2 | 464 | A | 421 | A | 537 | В | 488 | В | 583 | В | 531 | В | 616 | В | 563 | В | 601 | В | 556 | В |
| 61 | 2 | 408 | A | 380 40 | A | 470 67 | В | 440 48 | A | 510 | В | 479 52 | B | 539 | B | 509 | В | 528 | B A | 504 52 | B |
| 62 | + | 56 134 | A | 119 | A | 148 | A A | 131 | A | 73 157 | A A | 139 | A A | 76 164 | A A | 55 144 | A | 73 187 | A | 163 | A A |
| 64 | 3 | 542 | A | 499 | A | 618 | A | 571 | A | 667 | A | 618 | A | 703 | B | 653 | A | 714 | B | 667 | A |
| 65 | 3 | 519 | A | 503 | A | 595 | A | 575 | A | 644 | A | 622 | A | 680 | A | 657 | A | 691 | A | 671 | A |
| 66 | 1 | 147 | Α | 174 | Α | 166 | Α | 197 | Α | 180 | Α | 213 | Α | 190 | Α | 226 | Α | 198 | Α | 236 | В |
| 67 | 2 | 372 | Α | 329 | Α | 429 | A | 378 | Α | 464 | Α | 409 | A | 490 | В | 431 | Α | 493 | В | 435 | A |
| 68 | 1 | 34 | A | 74 | A | 41 | A | 89 | A | 45 | A | 96 | A | 47 | A | 101 | A | 47 | A | 101 | A |
| 69 70 | 2 | 395 0 | A A | 395 0 | A A | 458 0 | A A | 458 0 | A | 495 0 | B A | 495 0 | B A | 523 0 | B A | 522 0 | B A | 522 0 | B A | 523 0 | B A |
| 70 | 1 | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A |
| 72 | 1 | 11 | A | 8 | A | 13 | A | 9 | A | 14 | A | 10 | A | 15 | A | 10 | A | 18 | A | 13 | A |
| 73 | 2 | 67 | A | 48 | A | 80 | A | 57 | A | 87 | Α | 62 | Α | 91 | Α | 65 | Α | 91 | Α | 65 | Α |
| 74 | 2 | 395 | Α | 395 | Α | 458 | Α | 458 | Α | 495 | В | 495 | В | 523 | В | 522 | В | 522 | В | 523 | В |
| Source: HNTB | 3. 2007 | | | | | | | | | | | | | | | | | | | | |

Source: HNTB, 2007 NOTE: Please refer to **Figure D.6-1** for link ID key map.

LOS = Level of service

D.6.2 <u>Airport Implementation Plan Alternative (Without</u> Parking Structure)

For this variation of the East Terminal Alternative, all elements of the Airport Implementation Plan Alternative are the same as described in section D.6.1, *Airport Implementation Plan Alternative* (with Parking Structure) except that no parking structure will be constructed.

D.6.2.1 Assumptions

Except for the parking structure, this scenario shares most of the assumptions used for the Implementation Plan Alternative (With Parking Structure). Assumptions that differ from previous discussion include:

- A surface parking lot will be developed in front of the new Terminal 1 East Unit Terminal providing approximately 1,000 public parking spaces.
- Excess terminal area parking demand will be served by remote Airport and privately operated parking facilities and alternate modes of transportation.

D.6.2.2 Trip Generation and Terminal Distribution

Trip generation associated with the Implementation Plan Alternative (Without Parking Structure) is summarized in **Table D-97**. As shown, total airport trip generation would increase from approximately 94,600 ADT in 2010 to 134,700 ADT in 2030. This corresponds to an increase in air passenger forecast of 19.5 million annual passengers (MAP) in 2010 to 28.2 MAP in 2030. This represents an increase in trip generation of approximately 6,000 ADT or 4.5% from the No Project Alternative in 2030. Trips from most airport modes were estimated to increase relative to origin and destination passenger growth. However, schedule driven modes such as public buses, and airport operated inter-terminal, employee and public parking shuttles were estimated to grow at a slower rate as many of these shuttles currently operate with excess capacity to maintain a set schedule. This results in a slight decrease in the trip generation rate from 1.86 1.85 to 1.82 in 2010 and 2030, respectively. This has also been demonstrated by a historical downward trend witnessed at SDIA.

Table D-97

2010-2030 Airport Trip Generation – Airport Implementation Plan Alternative (Without Parking Structure)

| | | | Υe | ear | | |
|----------------------------------|--------|--------|---------|---------|---------|---------|
| Activity | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
| | | | | | | |
| Airport Passenger Activity Level | | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 19.5 | 22.8 | 25.1 | 26.6 | 28.2 |
| Million Annual O&D Passengers | 16.7 | 18.6 | 21.8 | 24.0 | 25.4 | 27.0 |
| Daily O&D Passengers | 45,830 | 51,076 | 59,769 | 66,220 | 70,553 | 74,199 |
| | | | | | | |
| Airport Trip Generation (1) | | | | | | |
| Daily | 85,100 | 94,600 | 109,500 | 120,700 | 128,250 | 134,700 |
| In | 42,600 | 47,350 | 54,800 | 60,400 | 64,200 | 67,400 |
| Out | 42,500 | 47,250 | 54,700 | 60,300 | 64,100 | 67,300 |
| AM Peak Hour | 3,180 | 3,530 | 4,095 | 4,500 | 4,800 | 5,065 |
| In | 1,760 | 1,955 | 2,265 | 2,500 | 2,650 | 2,785 |
| Out | 1,420 | 1,575 | 1,830 | 2,050 | 2,150 | 2,280 |
| PM Peak Hour | 3,245 | 3,620 | 4,190 | 4,650 | 4,950 | 5,185 |
| In | 1,500 | 1,675 | 1,940 | 2,150 | 2,300 | 2,410 |
| Out | 1,745 | 1,945 | 2,250 | 2,500 | 2,650 | 2,775 |
| Trip Rate | | | | | | |
| Daily | 1.86 | 1.85 | 1.83 | 1.82 | 1.82 | 1.82 |
| | | | | | | |

O&D = origin and destination

Notes:

Source: HNTB, 2007.

D.6.2.3 Traffic Impacts

Traffic impacts of the Implementation Plan Alternative (Without Parking Structure) would be similar to under the Implementation Plan (With Parking Structure) except for the on-airport (terminal) roadways, street segments and intersections along North Harbor Drive directly serving Terminals 1 and 2. Specific impact categories are discussed below.

D.6.2.3.1 Street Segments

Table D-98 summarizes the street segment operations for each analysis year under the Implementation Plan Alternative (Without Parking Structure).

Table D-99 compares the street segment volume to capacity (v/c) ratios under the Implementation Plan Alternative (Without Parking Structure) against the No Project Alternative to identify traffic impacts based on significance criteria identified in Section D.2, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.02 for streets operating at LOS E and 0.01 for streets operating at LOS F under the No Project. The following roadway segments would have potentially significant traffic impacts:

Street Segments with Significant Traffic Impacts

Year 2010

- Sassafras Street between Pacific Highway and India Street, which operates at LOS E and F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experience an increase in the v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
 - Sassafras Street between Kettner Boulevard and India Street.

⁽¹⁾ Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

See Section D.5.1.3.1 for a description of Sassafras Street.

Year 2015

- All locations identified in Year 2010
- Kettner Boulevard between Sassafras Street and Palm Street, which increased from LOS D under No Project to LOS E with Implementation Plan Alternative (without Parking Structure)

Year 2020

 All locations identified in Year 2015, except no Kettner Boulevard between Sassafras Street and Palm Street, which deteriorated to LOS F under the No Project Alternative due to an increase in background traffic

Year 2025

- All locations identified in Year 2020
- North Harbor Drive between Rental Car Road and Laurel Street, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Grape Street between Pacific highway and Kettner Boulevard, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Kettner Boulevard between Washington Street and Palm Street, which operates at LOS E and F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.

Year 2030

- All locations identified in Year 2025
- North Harbor Drive between Laurel Street and Hawthorn Street, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Grape Street between North Harbor Drive and Pacific Highway, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Grape Street between Kettner Boulevard and I-5, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Hawthorn Street between North Harbor Drive and I-5, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Laurel Street between Pacific Highway to Kettner Street, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative

- and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- India Street between Laurel Street and Sassafras Street, which operates at LOS F under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.

Table D-98 2010-2030 Street Segment Operations – Airport Implementation Plan Alternative (Without Parking Structure, 2010-2020)

| | | | | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | |
|--------------------|-----------------------------|---------------------------|-------------------------|-----------------------|----------|-----------------|-----------|------------------|------------|----------|-----------------|-----------|------------------|------------|----------|-----------------|-----------|-------------------|-----|
| | | | | LOS E ADT | SDIA ADT | Non-SDIA ADT | Total ADT | | | SDIA ADT | Non-SDIA ADT | Total ADT | | | SDIA ADT | Non-SDIA ADT | Total ADT | | |
| Roadway | Segment | Classification | Lanes | 1000s | 1000s | 1000s | 1000s | V/C | LOS | 1000s | 1000s | 1000s | V/C | LOS | 1000s | 1000s | 1000s | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 11.0 | 17.7 | 28.7 | 0.48 | В | 12.7 | 20.4 | 33.1 | 0.55 | В | 14.0 | 25.2 | 39.2 | 0.65 | C |
| | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 15.7 | 15.1 | 30.8 | 0.51 | В | 18.0 | 16.3 | 34.3 | 0.57 | В | 19.8 | 20.7 | 40.5 | 0.67 | C |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 11.5 | 14.9 | 26.4 | 0.44 | В | 12.8 | 16.2 | 29.0 | 0.48 | В | 14.2 | 18.3 | 32.5 | 0.54 | В |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 22.1 | 15.0 | 37.1 | 0.57 | В | 25.5 | 16.3 | 41.8 | 0.64 | С | 27.6 | 18.2 | 45.7 | 0.70 | (|
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 22.9 | 18.3 | 41.2 | 0.63 | С | 26.0 | 18.4 | 44.4 | 0.68 | Ċ | 27.5 | 19.1 | 46.6 | 0.72 | |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 27.8 | 18.3 | 46.1 | 0.66 | C | 31.8 | 18.3 | 50.1 | 0.72 | Ċ | 34.9 | 19.1 | 54.0 | 0.77 | (|
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 31.0 | 18.4 | 49.4 | 0.71 | С | 35.5 | 18.4 | 53.9 | 0.77 | С | 39.0 | 19.1 | 58.1 | 0.83 | |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 62.6 | 20.8 | 83.4 | 1.39 | F | 72.6 | 20.7 | 93.3 | 1.55 | F | 80.0 | 22.1 | 102.1 | 1.70 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 40.5 | 15.2 | 55.7 | 0.93 | Е | 46.8 | 15.4 | 62.2 | 1.04 | F | 51.5 | 16.7 | 68.2 | 1.14 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 25.4 | 14.0 | 39.4 | 0.66 | С | 29.4 | 13.4 | 42.8 | 0.71 | С | 32.4 | 14.0 | 46.4 | 0.77 | |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 13.5 | 6.7 | 20.2 | 0.81 | D | 15.7 | 7.1 | 22.8 | 0.91 | Ē | 17.4 | 8.5 | 25.9 | 1.04 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.6 | 16.4 | 29.0 | 1.16 | F | 14.5 | 17.1 | 31.6 | 1.27 | F | 16.0 | 18.5 | 34.5 | 1.38 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.1 | 23.3 | 35.4 | 1.42 | F | 14.1 | 23.7 | 37.8 | 1.51 | F | 15.6 | 21.1 | 36.7 | 1.47 | |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 15.2 | 5.1 | 20.3 | 0.81 | D | 17.7 | 5.4 | 23.1 | 0.92 | Е | 19.5 | 6.7 | 26.2 | 1.05 | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 12.4 | 6.0 | 18.4 | 0.74 | С | 14.4 | 6.2 | 20.6 | 0.83 | D | 15.9 | 7.4 | 23.3 | 0.93 | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 12.4 | 17.2 | 29.6 | 1.18 | F | 14.4 | 19.2 | 33.6 | 1.35 | F | 15.9 | 20.4 | 36.4 | 1.45 | |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.2 | 7.2 | 7.4 | 0.29 | Α | 0.2 | 7.2 | 7.4 | 0.30 | Α | 0.3 | 9.6 | 9.9 | 0.39 | |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 9.0 | 13.0 | 22.0 | 0.88 | D | 10.5 | 13.1 | 23.6 | 0.94 | Е | 11.6 | 16.0 | 27.6 | 1.10 | |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 9.2 | 11.0 | 20.2 | 0.81 | D | 10.6 | 11.9 | 22.5 | 0.90 | Е | 11.7 | 18.7 | 30.4 | 1.22 | |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 7.5 | 8.6 | 16.2 | 0.65 | С | 8.8 | 9.5 | 18.2 | 0.73 | С | 9.7 | 16.0 | 25.7 | 1.03 | |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.2 | 7.2 | 0.29 | Α | 0.1 | 7.9 | 8.0 | 0.32 | Α | 0.2 | 13.3 | 13.5 | 0.54 | |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 14.8 | 14.8 | 0.59 | С | 0.1 | 16.8 | 16.9 | 0.68 | С | 0.2 | 21.5 | 21.7 | 0.87 | |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 22.1 | 6.3 | 28.4 | 0.71 | С | 25.8 | 6.7 | 32.5 | 0.81 | D | 28.5 | 6.0 | 34.4 | 0.86 | |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 17.9 | 7.2 | 25.1 | 0.84 | Е | 21.0 | 7.8 | 28.8 | 0.96 | Е | 23.4 | 6.9 | 30.3 | 1.01 | |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 10.4 | 8.5 | 18.9 | 0.63 | С | 12.5 | 9.6 | 22.1 | 0.74 | D | 14.2 | 8.0 | 22.2 | 0.74 | |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 4.1 | 22.8 | 26.9 | 0.54 | В | 4.8 | 27.3 | 32.1 | 0.64 | С | 5.4 | 24.3 | 29.8 | 0.60 | (|
| | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 7.0 | 17.5 | 24.5 | 0.49 | В | 8.1 | 21.0 | 29.1 | 0.58 | С | 8.9 | 20.9 | 29.8 | 0.60 | |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 7.0 | 18.1 | 25.1 | 0.50 | В | 8.1 | 21.7 | 29.8 | 0.60 | С | 8.9 | 21.0 | 30.0 | 0.60 | (|
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 2.3 | 19.1 | 21.4 | 0.43 | В | 2.8 | 22.6 | 25.4 | 0.51 | В | 3.3 | 25.5 | 28.8 | 0.58 | _ |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 4.9 | 19.6 | 24.5 | 0.49 | В | 5.8 | 23.2 | 29.0 | 0.58 | С | 6.4 | 26.0 | 32.5 | 0.65 | |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | Α | 0.0 | 0.9 | 0.9 | 0.11 | Α | 0.0 | 0.3 | 0.3 | 0.04 | , |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 3.5 | 8.3 | 11.8 | 0.98 | Е | 4.4 | 9.7 | 14.1 | 1.17 | F | 5.0 | 9.3 | 14.4 | 1.20 | |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 1.7 | 8.5 | 10.2 | 1.27 | F | 2.2 | 9.7 | 11.9 | 1.49 | F | 2.5 | 9.4 | 11.9 | 1.49 | _ |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 3.9 | 16.5 | 20.4 | 0.68 | D | 4.7 | 18.6 | 23.3 | 0.78 | D | 5.4 | 19.1 | 24.5 | 0.82 | |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 3.6 | 23.3 | 26.9 | 0.90 | Е | 4.3 | 25.5 | 29.8 | 0.99 | Е | 4.8 | 28.6 | 33.4 | 1.11 | |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 7.4 | 8.7 | 16.1 | 2.01 | F | 8.6 | 10.2 | 18.9 | 2.36 | F | 9.5 | 7.9 | 17.5 | 2.19 | |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 7.4 | 13.2 | 20.6 | 1.72 | F | 8.6 | 15.4 | 24.0 | 2.00 | F | 9.5 | 12.6 | 22.2 | 1.85 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 5.0 | 13.5 | 18.5 | 1.54 | F | 6.4 | 14.6 | 21.1 | 1.76 | F | 7.5 | 15.2 | 22.7 | 1.89 | |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 5.1 | 40.1 | 45.2 | 0.90 | E | 5.9 | 42.4 | 48.3 | 0.97 | E | 6.5 | 34.3 | 40.8 | 0.82 | [|
| | Nimitz Quimby - Barnett | 4 lane Major 5-lane Major | 4U <u>5U</u> | 4 0.0 45.0 | 5.1 | 35.9 | 41.0 | 1.03 <u>0.91</u> | F <u>E</u> | 5.9 | 35.4 | 41.3 | 1.03 <u>0.92</u> | ₽ <u>E</u> | 6.5 | 31.1 | 37.6 | 0.94- <u>0.84</u> | E |
| | Nimitz - Quimby | 4-lane Major | <u>4U</u> | 40.0 | 5.1 | 35.9 | 41.0 | 1.03 | F | 5.9 | 35.4 | 41.3 | 1.03 | F | 6.5 | 31.1 | 37.6 | 0.94 | E |
| Nimitz | Harbor - Rosecrans | 4-lane Maior | 4U | 40.0 | 9.4 | 8.7 | 18.1 | 0.45 | В | 10.8 | 8.5 | 19.3 | 0.48 | В | 11.9 | 11.2 | 23.1 | 0.58 | (|

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-98 (continued)

2010-2030 Street Segment Operations – Airport Implementation Plan Alternative (Without Parking Structure, 2025-2030)

| | | | | | | | Year 2025 | | | | | Year 2030 | | |
|--------------------|-----------------------------|---------------------------|-------------------|--------------------------------|----------|--------------------------|-----------|--------------|----------|----------|--------------------------|-----------|------|----------|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | SDIA ADT | Non-SDIA ADT 1000s | Total ADT | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 14.9 | 26.7 | 41.6 | 0.69 | C | 19.5 | 28.5 | 48.0 | 0.80 | C |
| NOTH HARDON BINC | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 20.8 | 21.8 | 42.6 | 0.71 | C | 25.5 | 23.3 | 48.8 | 0.81 | C |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 14.8 | 18.4 | 33.2 | 0.55 | В | 17.7 | 20.7 | 38.3 | 0.64 | C |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 29.1 | 18.1 | 47.2 | 0.73 | C | 32.3 | 19.8 | 52.1 | 0.80 | C |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 28.9 | 20.4 | 49.3 | 0.76 | C | 30.7 | 21.1 | 51.8 | 0.80 | C |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 36.8 | 20.5 | 57.3 | 0.82 | C | 39.0 | 21.1 | 60.1 | 0.86 | D |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 41.1 | 20.4 | 61.5 | 0.88 | D | 41.5 | 20.9 | 62.4 | 0.89 | D |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 84.9 | 20.9 | 105.7 | 1.76 | F | 85.1 | 21.7 | 106.7 | 1.78 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 54.6 | 17.5 | 72.1 | 1.20 | F | 57.2 | 18.2 | 75.4 | 1.26 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 34.4 | 14.8 | 49.1 | 0.82 | C | 36.0 | 14.8 | 50.9 | 0.85 | D |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 18.5 | 9.0 | 27.5 | 1.10 | F | 19.4 | 9.7 | 29.1 | 1.16 | F |
| Grapo Grada | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.0 | 18.8 | 35.8 | 1.43 | F | 17.8 | 19.8 | 37.5 | 1.50 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.6 | 21.8 | 38.4 | 1.54 | F | 17.4 | 24.7 | 42.1 | 1.68 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 20.7 | 7.0 | 27.7 | 1.11 | F | 21.7 | 7.9 | 29.6 | 1.18 | F |
| Hawaiii Caroot | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 16.9 | 7.8 | 24.7 | 0.99 | E | 17.7 | 8.7 | 26.5 | 1.06 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 16.9 | 21.8 | 38.7 | 1.55 | F | 17.7 | 24.5 | 42.2 | 1.69 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 10.7 | 11.1 | 0.44 | В | 0.4 | 4.2 | 4.6 | 0.18 | Ä |
| retailer bive | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 12.3 | 14.1 | 26.4 | 1.06 | F | 11.0 | 17.4 | 28.4 | 1.14 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.5 | 17.2 | 29.6 | 1.19 | F | 11.2 | 14.2 | 25.4 | 1.02 | F |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.3 | 13.7 | 24.0 | 0.96 | Ē | 9.0 | 12.6 | 21.5 | 0.86 | D |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 11.0 | 11.2 | 0.45 | В | 0.3 | 11.4 | 11.7 | 0.47 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.2 | 19.9 | 20.1 | 0.43 | D | 0.3 | 21.5 | 21.8 | 0.47 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 30.3 | 4.0 | 34.2 | 0.86 | D | 27.9 | 4.3 | 32.2 | 0.81 | D |
| Ludi Ci Oti CCt | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 25.0 | 6.8 | 31.8 | 1.06 | F | 22.6 | 12.1 | 34.7 | 1.16 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.3 | 8.1 | 23.4 | 0.78 | D | 14.4 | 12.9 | 27.3 | 0.91 | Ė |
| Pacific Highway | Washington - Sassafras | 6-Lane Prime | 6D | 50.0 | 5.8 | 27.4 | 33.2 | 0.66 | C | 6.0 | 19.1 | 25.1 | 0.50 | В |
| 1 dollo i ligitway | Sassafras - Palm | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.2 | 31.7 | 0.63 | C | 9.9 | 16.3 | 26.1 | 0.52 | В |
| | Palm - Laurel | 6-Lane Prime | 6D | 50.0 | 9.5 | 22.0 | 31.5 | 0.63 | C | 9.9 | 15.4 | 25.3 | 0.51 | В |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 3.6 | 27.7 | 31.3 | 0.63 | C | 3.9 | 23.3 | 27.2 | 0.54 | В |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 6.9 | 28.1 | 35.0 | 0.70 | C | 7.3 | 24.1 | 31.4 | 0.63 | C |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.70 | A | 0.0 | 0.1 | 0.1 | 0.03 | Ā |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 5.5 | 10.4 | 15.8 | 1.32 | F | 5.8 | 6.1 | 12.0 | 1.00 | Ē |
| Guddanud Olifeet | Kettner-India | 2-Lane Collector | 2U | 8.0 | 2.7 | 9.8 | 12.5 | 1.56 | F | 2.9 | 8.0 | 10.9 | 1.37 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 5.9 | 18.9 | 24.9 | 0.83 | D | 6.4 | 12.7 | 19.2 | 0.64 | C |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.2 | 28.1 | 33.3 | 1.11 | F | 5.6 | 22.5 | 28.1 | 0.04 | E |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.2 | 7.9 | 18.1 | 2.26 | F | 8.8 | 12.6 | 21.4 | 2.68 | F |
| maia Oticet | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.2 | 12.5 | 22.6 | 1.88 | F | 8.8 | 16.5 | 25.3 | 2.11 | F |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 8.2 | 14.7 | 22.9 | 1.90 | F | 7.5 | 21.5 | 29.0 | 2.42 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 6.9 | 34.6 | 41.5 | 0.83 | D | 10.7 | 33.7 | 44.4 | 0.89 | D |
| 1 COOCCI ALIO | Nimitz Quimby - Barnett | 4-lane Major-5-lane Major | 4 U 5U | 40.0 45.0 | 6.9 | 31.3 | 38.2 | 0.85 0.85 | €D | 10.7 | 29.0 | 39.7 | 0.89 | E-D |
| | Nimitz - Quimby - Barriett | 4-lane Major 4-lane Major | 4U <u>5U</u> | 40.0 | 6.9 | 31.3 | 38.2 | 0.95 | <u> </u> | 10.7 | 29.0 | 39.7 | 0.99 | <u> </u> |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 12.6 | 11.8 | 24.5 | 0.93 | C | 17.1 | 11.7 | 28.8 | 0.72 | Č |

Notes:

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-99

2010-2030 Street Segment Impacts – Airport Implementation Plan Alternative (Without Parking Structure, 2010-2020)

| | | | | Year 2010 | | | | | Year 2015 | | | | | Year 2020 | | |
|--------------------|-----------------------------|-------------------|----------------|-------------------|------------|----------|------------------|-------------|------------------|------------|----------|------------------|----------------|-------------------|----------|----------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.48 | В | 0.48 | В | 0.00 | 0.56 | В | 0.55 | В | 0.00 | 0.66 | С | 0.65 | С | 0.00 |
| | NTC - Spanish Landing | 0.51 | В | 0.51 | В | 0.00 | 0.57 | В | 0.57 | В | 0.00 | 0.67 | С | 0.67 | С | 0.01 |
| | Spanish Landing - T2 Access | 0.43 | В | 0.44 | В | 0.01 | 0.47 | В | 0.48 | В | 0.02 | 0.52 | В | 0.54 | В | 0.02 |
| | T2 Access - Harbor Island | 0.56 | В | 0.57 | В | 0.01 | 0.63 | С | 0.64 | С | 0.01 | 0.68 | С | 0.70 | С | 0.02 |
| | Harbor Island - T1 Access | 0.58 | С | 0.63 | С | 0.05 | 0.62 | С | 0.68 | С | 0.06 | 0.64 | С | 0.72 | С | 0.07 |
| | T1 Access - Winship | 0.76 | С | 0.66 | С | -0.10 | 0.83 | С | 0.72 | С | -0.11 | 0.89 | D | 0.77 | С | -0.12 |
| | Winship - Rental Car Rd | 0.79 | С | 0.71 | С | -0.09 | 0.87 | D | 0.77 | С | -0.10 | 0.94 | E | 0.83 | С | -0.11 |
| | Rental Car Rd - Laurel | 1.41 | F | 1.39 | F | -0.02 | 1.57 | F | 1.55 | F | -0.02 | 1.71 | F | 1.70 | F | -0.01 |
| | Laurel - Hawthorn | 0.94 | Е | 0.93 | Е | -0.01 | 1.05 | F | 1.04 | F | -0.01 | 1.14 | F | 1.14 | F | -0.01 |
| | Hawthorn - Grape | 0.66 | С | 0.66 | С | -0.01 | 0.72 | С | 0.71 | С | -0.01 | 0.78 | С | 0.77 | С | 0.00 |
| Grape Street | Harbor - Pacific | 0.82 | D | 0.81 | D | -0.01 | 0.92 | E | 0.91 | E | -0.01 | 1.04 | F | 1.04 | F | -0.01 |
| | Pacific - Kettner | 1.16 | F | 1.16 | F | 0.00 | 1.26 | F | 1.27 | F | 0.00 | 1.37 | F | 1.38 | F | 0.007 |
| | Kettner - I-5 | 1.43 | F | 1.42 | F | -0.01 | 1.52 | F | 1.51 | F | -0.01 | 1.48 | F | 1.47 | F | -0.01 |
| Hawthorn Street | Harbor - Pacific | 0.83 | D | 0.81 | D | -0.01 | 0.94 | E | 0.92 | E | -0.01 | 1.06 | F | 1.05 | F | -0.01 |
| | Pacific - Kettner | 0.75 | С | 0.74 | С | -0.01 | 0.83 | D | 0.83 | D | -0.01 | 0.94 | E | 0.93 | E | -0.01 |
| | Kettner - I-5 | 1.19 | F | 1.18 | F | -0.01 | 1.35 | F | 1.35 | F | -0.01 | 1.46 | F | 1.45 | F | -0.01 |
| Kettner Blvd | north of Washington | 0.29 | Α | 0.29 | Α | 0.00 | 0.30 | Α | 0.30 | Α | 0.00 | 0.39 | Α | 0.39 | Α | 0.00 |
| | Washington - Sassafras | 0.88 | D | 0.88 | D | 0.00 | 0.94 | E | 0.94 | E | 0.00 | 1.10 | F | 1.10 | F | 0.005 |
| | Sassafras - Palm | 0.80 | D | 0.81 | D | 0.00 | 0.90 | D | 0.90 | Е | 0.00 | 1.21 | F | 1.22 | F | 0.005 |
| | Palm - Laurel | 0.65 | С | 0.65 | С | -0.01 | 0.74 | С | 0.73 | С | -0.01 | 1.03 | F | 1.03 | F | -0.01 |
| | Laurel - Hawthorn | 0.29 | Α | 0.29 | Α | 0.00 | 0.32 | Α | 0.32 | Α | 0.00 | 0.54 | В | 0.54 | В | 0.00 |
| | Hawthorn - Grape | 0.59 | С | 0.59 | С | 0.00 | 0.68 | С | 0.68 | С | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.72 | С | 0.71 | С | -0.01 | 0.82 | D | 0.81 | D | -0.01 | 0.87 | D | 0.86 | D | -0.01 |
| | Pacific - Kettner | 0.85 | E | 0.84 | E | -0.01 | 0.97 | E | 0.96 | E | -0.01 | 1.02 | F | 1.01 | F | -0.01 |
| | Kettner - I-5 | 0.64 | С | 0.63 | С | -0.01 | 0.75 | D | 0.74 | D | -0.01 | 0.75 | D | 0.74 | D | -0.02 |
| Pacific Highway | Washington - Sassafras | 0.54 | В | 0.54 | В | 0.00 | 0.64 | С | 0.64 | С | 0.00 | 0.59 | С | 0.60 | С | 0.00 |
| | Sassafras - Palm | 0.48 | В | 0.49 | В | 0.01 | 0.57 | С | 0.58 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Palm - Laurel | 0.49 | В | 0.50 | В | 0.01 | 0.59 | С | 0.60 | С | 0.01 | 0.59 | С | 0.60 | С | 0.01 |
| | Laurel - Hawthorn | 0.42 | В | 0.43 | В | 0.01 | 0.50 | В | 0.51 | В | 0.01 | 0.57 | С | 0.58 | С | 0.00 |
| | Hawthorn - Grape | 0.49 | В | 0.49 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 | 0.65 | С | 0.65 | С | 0.00 |
| Palm Street | Pacific - Kettner | 0.11 | Α | 0.11 | Α | 0.00 | 0.11 | Α | 0.11 | Α | 0.00 | 0.04 | Α | 0.04 | Α | 0.00 |
| Sassafras Street | Pacific - Kettner | 0.95 | E | 0.98 | E | 0.03 | 1.14 | F | 1.17 | F | 0.03 | 1.17 | F | 1.20 | F | 0.03 |
| | Kettner-India | 1.25 | F | 1.27 | F | 0.02 | 1.46 | F | 1.49 | F | 0.02 | 1.46 | F | 1.49 | F | 0.02 |
| Washington Street | Pacific - Kettner | 0.68 | D | 0.68 | D | 0.00 | 0.78 | D | 0.78 | D | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Kettner - San Diego | 0.90 | E | 0.90 | E | 0.00 | 0.99 | E | 0.99 | E | 0.00 | 1.11 | F | 1.11 | F | 0.00 |
| India Street | Laurel - Palm | 2.03 | F | 2.01 | F | -0.02 | 2.38 | F | 2.36 | F | -0.02 | 2.20 | F | 2.19 | F | -0.02 |
| | Palm - Sassafras | 1.73 | F | 1.72 | F | -0.01 | 2.01 | F | 2.00 | F | -0.01 | 1.86 | F | 1.85 | F | -0.01 |
| | Sassafras - Washington | 1.57 | F | 1.54 | F | -0.03 | 1.79 | F | 1.76 | F | -0.04 | 1.93 | F | 1.89 | F | -0.04 |
| Rosecrans | Barnett - Sport Arena | 0.91 | E | 0.90 | E | 0.00 | 0.97 | E | 0.97 | E | 0.00 | 0.82 | D | 0.82 | D | 0.00 |
| | Nimitz Quimby - Barnett | 1.03- <u>0.91</u> | <u>F-E</u> | 1.03- <u>0.91</u> | <u>F-E</u> | 0.00 | 1.03 <u>0.92</u> | <u>F-E</u> | 1.03 <u>0.92</u> | <u>F-E</u> | 0.00 | 0.94 <u>0.84</u> | <u> </u> | 0.94- <u>0.84</u> | <u> </u> | 0.00 |
| | Nimitz - Quimby | <u>1.03</u> | <u>F</u> | <u>1.03</u> | <u> </u> | 0.00 | 1.03 | <u> </u> | 1.03 | <u>F</u> | 0.00 | 0.94 | <u>E</u> | <u>0.94</u> | <u>E</u> | 0.00 |
| Nimitz | Harbor - Rosecrans | 0.46 | В | 0.45 | В | 0.00 | 0.49 | В | 0.48 | В | 0.00 | 0.58 | С | 0.58 | С | 0.00 |

V/C = Volume to capacity ratio LOS = Level of service

Legend:

LOS E LOS F Significant Impact

Table D-99 (continued)

2010-2030 Street Segment Impacts – Airport Implementation Plan Alternative (Without Parking Structure, 2025-2030)

| | | | Y€ | ar 2025 | | | | | Year 2030 | | |
|----------------------|-----------------------------|-------------------|-------------|-------------------|----------|----------|-------------------|----------------|-----------|------------|----------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C |
| North Harbor Drive | West of NTC | 0.69 | С | 0.69 | С | 0.00 | 0.79 | С | 0.80 | С | 0.01 |
| | NTC - Spanish Landing | 0.70 | С | 0.71 | С | 0.01 | 0.79 | С | 0.81 | С | 0.03 |
| | Spanish Landing - T2 Access | 0.53 | В | 0.55 | В | 0.03 | 0.60 | С | 0.64 | С | 0.04 |
| | T2 Access - Harbor Island | 0.70 | С | 0.73 | С | 0.02 | 0.76 | С | 0.80 | С | 0.04 |
| | Harbor Island - T1 Access | 0.68 | С | 0.76 | С | 0.08 | 0.69 | С | 0.80 | С | 0.10 |
| | T1 Access - Winship | 0.93 | E | 0.82 | С | -0.11 | 0.94 | E | 0.86 | D | -0.08 |
| | Winship - Rental Car Rd | 0.98 | E | 0.88 | D | -0.10 | 0.97 | E | 0.89 | D | -0.08 |
| | Rental Car Rd - Laurel | 1.75 | F | 1.76 | F | 0.012 | 1.73 | F | 1.78 | F | 0.05 |
| | Laurel - Hawthorn | 1.19 | F | 1.20 | F | 0.009 | 1.22 | F | 1.26 | F | 0.04 |
| | Hawthorn - Grape | 0.81 | С | 0.82 | С | 0.01 | 0.82 | С | 0.85 | D | 0.02 |
| Grape Street | Harbor - Pacific | 1.09 | F | 1.10 | F | 0.006 | 1.13 | F | 1.16 | F | 0.03 |
| | Pacific - Kettner | 1.41 | F | 1.43 | F | 0.019 | 1.46 | F | 1.50 | F | 0.04 |
| | Kettner - I-5 | 1.53 | F | 1.54 | F | 0.00 | 1.66 | F | 1.68 | F | 0.02 |
| Hawthorn Street | Harbor - Pacific | 1.10 | F | 1.11 | F | 0.00 | 1.16 | F | 1.18 | F | 0.03 |
| | Pacific - Kettner | 0.98 | E | 0.99 | Е | 0.00 | 1.03 | F | 1.06 | F | 0.03 |
| | Kettner - I-5 | 1.54 | F | 1.55 | F | 0.00 | 1.66 | F | 1.69 | F | 0.02 |
| Kettner Blvd | north of Washington | 0.44 | В | 0.44 | В | 0.00 | 0.18 | Α | 0.18 | Α | 0.00 |
| | Washington - Sassafras | 1.04 | F | 1.06 | F | 0.013 | 1.11 | F | 1.14 | F | 0.03 |
| | Sassafras - Palm | 1.17 | F | 1.19 | F | 0.014 | 0.99 | E | 1.02 | F | 0.03 |
| | Palm - Laurel | 0.96 | Е | 0.96 | E | 0.00 | 0.85 | D | 0.86 | D | 0.01 |
| | Laurel - Hawthorn | 0.45 | В | 0.45 | В | 0.00 | 0.47 | В | 0.47 | В | 0.00 |
| | Hawthorn - Grape | 0.81 | D | 0.81 | D | 0.00 | 0.87 | D | 0.87 | D | 0.00 |
| Laurel Street | Harbor - Pacific | 0.85 | D | 0.86 | D | 0.01 | 0.78 | D | 0.81 | D | 0.03 |
| Eddior Otroot | Pacific - Kettner | 1.06 | F | 1.06 | F | 0.00 | 1.13 | F | 1.16 | F | 0.02 |
| | Kettner - I-5 | 0.78 | D | 0.78 | D | -0.01 | 0.90 | E | 0.91 | E | 0.01 |
| Pacific Highway | Washington - Sassafras | 0.66 | C | 0.66 | C | 0.00 | 0.50 | В | 0.50 | В | 0.01 |
| - domo riigiiira) | Sassafras - Palm | 0.62 | Č | 0.63 | C | 0.01 | 0.51 | В | 0.52 | В | 0.02 |
| | Palm - Laurel | 0.62 | C | 0.63 | C | 0.01 | 0.49 | В | 0.51 | В | 0.02 |
| | Laurel - Hawthorn | 0.62 | Č | 0.63 | C | 0.01 | 0.54 | В | 0.54 | В | 0.02 |
| | Hawthorn - Grape | 0.70 | C | 0.70 | C | 0.01 | 0.62 | C | 0.63 | C | 0.01 |
| Palm Street | Pacific - Kettner | 0.01 | Ā | 0.70 | A | 0.00 | 0.02 | A | 0.03 | Ā | 0.00 |
| Sassafras Street | Pacific - Kettner | 1.28 | F | 1.32 | F | 0.04 | 0.94 | E | 1.00 | E | 0.057 |
| Oddodinad Olicet | Kettner-India | 1.53 | F | 1.56 | F | 0.03 | 1.32 | F | 1.37 | F | 0.037 |
| Washington Street | Pacific - Kettner | 0.83 | D | 0.83 | D | 0.00 | 0.63 | C | 0.64 | C | 0.008 |
| TT GOTHINGTON ON GET | Kettner - San Diego | 1.11 | F | 1.11 | F | 0.00 | 0.03 | E | 0.04 | E | 0.008 |
| India Street | Laurel - Palm | 2.25 | F | 2.26 | F | 0.00 | 2.64 | F | 2.68 | F | 0.036 |
| maia oucot | Palm - Sassafras | 1.88 | F | 1.88 | F | 0.00 | 2.09 | F | 2.11 | F | 0.024 |
| | Sassafras - Washington | 1.93 | F | 1.90 | F | -0.03 | 2.411 | F | 2.417 | F | 0.024 |
| Rosecrans | Barnett - Sport Arena | 0.83 | D | 0.83 | D | 0.00 | 0.88 | D | 0.89 | D | 0.008 |
| 11000010110 | Nimitz Quimby - Barnett | 0.63 0.95 0.85 | E-D | 0.63 0.95 0.85 | E-D | 0.00 | 0.00 0.98-0.87 | E-D | 0.69 | E-D | 0.008 |
| | Nimitz - Quimby | 0.95 | <u> </u> | 0.95 | E | 0.00 | 0.98 | <u> </u> | 0.99 | <u>E</u> ∪ | 0.010 |
| Nimitz | Harbor - Rosecrans | 0.95 | C | 0.93 | C | 0.00 | 0.96 | C | 0.72 | C | 0.010 |
| Source: HNTR 2007 | Harbor - Nosecialis | 0.01 | | 0.01 | | 0.00 | 0.71 | U | 0.72 | | 0.013 |

V/C = Volume to capacity ratio LOS = Level of service

LOS E
LOS F
Significant Impact

D.6.2.3.2 Intersections

Table D-100, D-101, D-102, D-103, D-104, D-105, D-106, D-107, D-108, and D-109 show the intersection turning volumes under the Implementation Plan Alternative (Without Parking Structure) for each analysis year. **Table D-110** shows the resulting intersection operations.—Future intersection lane configurations are assumed to remain the same under all alternatives and are shown on Figure D.5-1. Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound approaches.

Table D-100 2010 Intersection Turning Volumes – AM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| | | | _ | | | | _ | | _ | | _ | _ | _ | _ | |
|--------------|--|------------|-----|-----|-----|-----|-------|---------|-----|-------|-------|-----|-------|-------|-------|
| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| | | Total | 0 | 0 | 0 | 546 | 0 | 23 | 11 | 431 | 0 | 7 | 589 | 291 | 1,898 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 187 | 0 | 0 | 0 | 33 | 0 | 0 | 25 | 147 | 392 |
| | | Background | 0 | 0 | 0 | 359 | 0 | 23 | 11 | 398 | 0 | 7 | 564 | 144 | 1,506 |
| | | Total | 0 | 0 | 0 | 119 | 0 | 29 | 154 | 598 | 0 | 0 | 920 | 420 | 2,240 |
| 2 | North Harbor Drive / McCain St | | 0 | 0 | 0 | 56 | 0 | | 11 | 210 | 0 | 0 | 167 | 130 | 579 |
| | North Harbor Drive / McCain St | Airport | _ | 0 | 0 | 63 | 0 | 5 24 | 143 | 388 | 0 | 0 | 753 | 290 | 1,661 |
| \vdash | | Background | 0 | | | | | | | | | | | | |
| _ | | Total | 5 | 0 | 18 | 23 | 0 | 101 | 68 | 707 | 4 | 15 | 1,524 | 0 | 2,465 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 101 | 68 | 197 | 0 | 0 | 197 | 0 | 586 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 510 | 4 | 15 | 1,327 | 0 | 1,879 |
| | | Total | 41 | 2 | 148 | 19 | 4 | 36 | 32 | 633 | 82 | 241 | 1,846 | 0 | 3,084 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 10 | 2 | 42 | 19 | 4 | 36 | 32 | 165 | 22 | 68 | 535 | 0 | 935 |
| | | Background | 31 | 0 | 106 | 0 | 0 | 0 | 0 | 468 | 60 | 173 | 1,311 | 0 | 2,149 |
| | | Total | 0 | 0 | 0 | 305 | 0 | 84 | 132 | 669 | 0 | 0 | 2,184 | 0 | 3,374 |
| _ | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 305 | 0 | 84 | 132 | 95 | 0 | 0 | 700 | 0 | 1,316 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | Total | 53 | 0 | 43 | 35 | 0 | 18 | 24 | 1,500 | 67 | 113 | 2,566 | 66 | 4,485 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 53 | 0 | 43 | 35 | 0 | 18 | 24 | 926 | 67 | 113 | 1,082 | 66 | 2,427 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 574 | 0 | 0 | 1,484 | 0 | 2,058 |
| | | Total | 13 | 107 | 0 | 0 | 229 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 566 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 54 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| | | Background | | 53 | 0 | 0 | 134 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 417 |
| | | | | 0 | 0 | 0 | | | | | 0 | 0 | 62 | 1 | 269 |
| | Foods on Latitude and Disco | Total | 0 | | | | 0 | 38 | 82 | 86 | | | | | |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 12 | 0 | 0 | 16 | 1 | 149 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 46 | 0 | 120 |
| 1 | | Total | 70 | 494 | 71 | 47 | 545 | 10 | 5 | 68 | 43 | 202 | 136 | 53 | 1,744 |
| 9 | Sassafras Street / Pacific Highway | Airport | 70 | 61 | 0 | 0 | 79 | 10 | 5 | 68 | 43 | 0 | 136 | 0 | 472 |
| 1 | · , | Background | 0 | 433 | 71 | 47 | 466 | 0 | 0 | 0 | 0 | 202 | 0 | 53 | 1,272 |
| | | Total | 0 | 0 | 0 | 24 | 0 | 4 | 385 | 1,090 | 0 | 0 | 1,867 | 40 | 3,410 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 365 | 639 | 0 | 0 | 814 | 0 | 1,818 |
| 10 | Laurer Street / North Harbor Drive | | _ | | | | | | | | | | | | |
| | | Background | 0 | 0 | 0 | 24 | 0 | 4 | 20 | 451 | 0 | 0 | 1,053 | 40 | 1,592 |
| 1 | | Total | 0 | 284 | 0 | 0 | 1,031 | 0 | 0 | 0 | 0 | 81 | 0 | 1,892 | 3,288 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 213 | 0 | 0 | 639 | 0 | 0 | 0 | 0 | 6 | 0 | 601 | 1,459 |
| | | Background | 0 | 71 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 75 | 0 | 1,291 | 1,829 |
| | | Total | 0 | 223 | 111 | 819 | 481 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,634 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 213 | 4 | 430 | 215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 862 |
| | Grape Grader Horar Harber Brite | Background | 0 | 10 | 107 | 389 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 772 |
| | | | | | 86 | 80 | | 349 | | 517 | 2 | 47 | 690 | 61 | |
| 40 | 1 1 Ot 1 / D 25 - 1 I 1 | Total | 35 | 323 | | | 267 | | 89 | | | | | | 2,546 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 50 | 1 | 3 | 31 | 88 | 76 | 289 | 0 | 0 | 360 | 5 | 903 |
| | | Background | 35 | 273 | 85 | 77 | 236 | 261 | 13 | 228 | 2 | 47 | 330 | 56 | 1,643 |
| | | Total | 108 | 206 | 0 | 0 | 162 | 52 | 0 | 0 | 0 | 258 | 1,852 | 85 | 2,723 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 108 | 50 | 0 | 0 | 26 | 6 | 0 | 0 | 0 | 0 | 492 | 1 | 683 |
| | | Background | 0 | 156 | 0 | 0 | 136 | 46 | 0 | 0 | 0 | 258 | 1,360 | 84 | 2,040 |
| | | Total | 0 | 569 | 161 | 144 | 800 | 0 | 62 | 795 | 32 | 0 | 0 | 0 | 2,563 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 155 | 0 | 0 | 25 | 0 | 4 | 399 | 32 | 0 | 0 | 0 | 615 |
| 1.5 | Grape Greet / Lacine Frighway | Background | 0 | 414 | 161 | 144 | 775 | 0 | 58 | 396 | 0 | 0 | 0 | 0 | 1,948 |
| | | | | | | | | | | | | | | | |
| | | Total | 0 | 0 | 0 | 233 | 321 | 543 | 0 | 610 | 45 | 39 | 240 | 0 | 2,031 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 299 | 0 | 293 | 0 | 0 | 67 | 0 | 659 |
| | | Background | 0 | 0 | 0 | 233 | 321 | 244 | 0 | 317 | 45 | 39 | 173 | 0 | 1,372 |
| | | Total | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,495 | 0 | 2,887 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 493 | 0 | 493 |
| | | Background | 0 | 0 | 0 | 0 | 154 | 82 | 0 | 0 | 0 | 156 | 2,002 | 0 | 2,394 |
| | | Total | 0 | 0 | 0 | 91 | 462 | 0 | 0 | 1,333 | 99 | 0 | 0 | 0 | 1,985 |
| 18 | Crana Street / Kattner Baulayard | | | 0 | 0 | 0 | 0 | 0 | 0 | | 13 | 0 | 0 | 0 | 399 |
| 10 | Grape Street / Kettner Boulevard | Airport | 0 | | | | | | | 386 | | | | | |
| | | Background | | 0 | 0 | 91 | 462 | 0 | 0 | 947 | 86 | 0 | 0 | 0 | 1,586 |
| | | Total | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 430 | 1,053 | 0 | 0 | 0 | 1,749 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 384 | 0 | 0 | 0 | 387 |
| | | Background | 65 | 86 | 73 | 0 | 0 | 0 | 42 | 427 | 669 | 0 | 0 | 0 | 1,362 |
| | | Total | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,454 | 78 | 2,620 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 490 | 0 | 490 |
| -~ | | Background | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,964 | 78 | 2,130 |
| \vdash | | | | | 19 | 0 | | 0 | | 343 | | | | | 1,449 |
| | Level Orest Hells Over 1 | Total | 75 | 108 | | | 0 | | 459 | | 31 | 0 | 219 | 195 | |
| 21 | Laurel Street / India Street | Airport | 31 | 0 | 0 | 0 | 0 | 0 | 234 | 28 | 31 | 0 | 37 | 0 | 361 |
| | | Background | 44 | 108 | 19 | 0 | 0 | 0 | 225 | 315 | 0 | 0 | 182 | 195 | 1,088 |
| | | Total | 0 | 0 | 0 | 113 | 1,249 | 332 | 0 | 51 | 43 | 121 | 84 | 0 | 1,993 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 299 | 35 | 0 | 18 | 18 | 0 | 35 | 0 | 405 |
| | | Background | 0 | 0 | 0 | 113 | 950 | 297 | 0 | 33 | 25 | 121 | 49 | 0 | 1,588 |
| | | Total | 194 | 789 | 11 | 0 | 0 | 0 | 110 | 24 | 50 | 0 | 33 | 21 | 1,232 |
| 23 | Sassafras Street / India Street | Airport | 68 | 235 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 337 |
| 23 | Gassarias Gueet / Iliula Gueet | | | | | | | | | | | | | | |
| \vdash | | Background | 126 | 554 | 11 | 0 | 0 | 0 | 76 | 24 | 50 | 0 | 33 | 21 | 895 |
| | | Total | 0 | 0 | 0 | 185 | 32 | 53 | 0 | 64 | 37 | 148 | 154 | 0 | 673 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 11 | 66 | 26 | 0 | 131 |
| L | | Background | 0 | 0 | 0 | 185 | 32 | 53 | 0 | 36 | 26 | 82 | 128 | 0 | 542 |
| | | Total | 65 | 11 | 117 | 26 | 6 | 18 | 22 | 0 | 230 | 312 | 143 | 47 | 997 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 7 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 28 | 84 | 0 | 0 | 168 |
| I ~ | 5 | Background | 58 | 11 | 68 | 26 | 6 | 18 | 22 | 0 | 202 | 228 | 143 | 47 | 829 |
| \vdash | | Total | 0 | 258 | 103 | 321 | 375 | 0 | 354 | 165 | 130 | 0 | 0 | 0 | 1,706 |
| 20 | Washington Street / Hannal Street | | | | | | | | | | | | | | |
| 26 | Washington Street / Hancock Street | Airport | 0 | 64 | 13 | 0 | 75 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 161 |
| | | Background | 0 | 194 | 90 | 321 | 300 | 0 | 354 | 165 | 121 | 0 | 0 | 0 | 1,545 |
| I 7 | | Total | 94 | 579 | 0 | 0 | 539 | 536 | 0 | 0 | 0 | 174 | 204 | 7 | 2,133 |
| 27 | Washington Street / San Diego Avenue | Airport | 13 | 51 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 140 |
| | = * * * * * * * * * * * * * * * * * * * | Background | | 528 | 0 | 0 | 472 | 536 | 0 | 0 | 0 | 165 | 204 | 7 | 1,993 |
| | | Total | 200 | 148 | 220 | 99 | 145 | 61 | 60 | 173 | 143 | 301 | 147 | 86 | 1,783 |
| 20 | Posecrane Street / Posific Highway | | | | | | | | | 1/3 | | | | | |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 2 | 8 | 0 | 3 | 1 | 0 | 4=0 | 0 | 10 | 2 | 0 | 27 |
| | | Background | | 146 | 212 | 99 | 142 | 60 | 60 | 172 | 143 | 291 | 145 | 86 | 1,756 |
| l | | Total | 16 | 110 | 85 | 39 | 124 | 40 | 148 | 639 | 28 | 109 | 637 | 40 | 2,015 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 67 | 80 | 0 | 85 | 0 | 0 | 0 | 0 | 102 | 0 | 0 | 334 |
| | | Background | 16 | 43 | 5 | 39 | 39 | 40 | 148 | 639 | 28 | 7 | 637 | 40 | 1,681 |
| Source: HNTE | 2 2007 | | | | | | | | | | | • | | | |
| Source: MNTE | 5, 2007 | | | | | | | | | | | | | | |

Table D-101 2010 Intersection Turning Volumes – PM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| Int# | | 1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|------|--|-----------------------|-----------|-------------|-----------|------------|----------------|-----------|--------------|--------------|-------------|-----------|--------------|------------|----------------|
| | | Total | 0 | 0 | 0 | 454 | 0 | 56 | 36 | 562 | 0 | 14 | 584 | 764 | 2,470 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 150 304 | 0 | 0 | 0 36 | 27 535 | 0 | 0 14 | 31 553 | 162 602 | 370 2,100 |
| | | Background Total | 0 | 0 | 0 | 424 | 0 | 56 154 | 33 | 918 | 0 | 0 | 1,049 | 151 | 2,729 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 87 | 0 | 12 | 8 | 169 | 0 | 0 | 182 | 101 | 559 |
| | | Background | 0 | 0 | 0 | 337 | 0 | 142 | 25 | 749 | 0 | 0 | 867 | 50 | 2,170 |
| 3 | North Harbor Drive / Spanish Landing | Total Airport | 7 | 0 | 25 0 | 23 23 | 0 | 85 85 | 56 56 | 1,604 200 | 18 0 | 5 | 1,159 198 | 0 | 2,982 562 |
| 3 | North Harbor Drive / Spanish Landing | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,404 | 18 | 5 | 961 | 0 | 2,420 |
| | | Total | 153 | 2 | 330 | 21 | 4 | 43 | 27 | 1,502 | 122 | 466 | 1,285 | 0 | 3,955 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 2 | 55 | 21 | 4 | 43 | 27 | 176 | 20 | 59 | 461 | 0 | 879 |
| | | Background | 142 | 0 | 275 | 0 | 0 | 0 70 | 0 | 1,326 | 102 | 407 | 824 | 0 | 3,076 |
| 5 | North Harbor Drive / Winship Lane | Total Airport | 0 | 0 | 0 | 301 301 | 0 | 79 79 | 117 117 | 1,736 135 | 0 | 0 | 1,821 589 | 0 | 4,054 1,221 |
| ŭ | Troid Flat Sol Silve / Trinoing Earle | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,601 | 0 | 0 | 1,232 | 0 | 2,833 |
| | | Total | 74 | 0 | 83 | 57 | 0 | 22 | 20 | 2,577 | 74 | 86 | 2,138 | 44 | 5,175 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 83 | 57 | 0 | 22 0 | 20 | 976 | 74 | 86 | 906 | 44 | 2,342 |
| | | Background Total | 0 23 | 408 | 0 | 0 | 524 | 70 | 77 | 1,601 | 0 25 | 0 | 1,232 | 0 | 2,833 1,129 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 68 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 |
| | | Background | 23 | 340 | 0 | 0 | 440 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 977 |
| 8 | Employee Let / Herber Joland Drive | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 95 | 0 | 0 | 126 | 1 | 345 |
| 0 | Employee Lot / Harbor Island Drive | Airport Background | 0 | 0 | 0 | 0 | 0 | 55 0 | 68 0 | 15 80 | 0 | 0 | 13 113 | 0 | 152 193 |
| | | Total | 63 | 856 | 353 | 125 | 949 | 8 | 13 | 186 | 93 | 165 | 112 | 44 | 2,967 |
| 9 | Sassafras Street / Pacific Highway | Airport | 63 | 72 | 0 | 0 | 65 | 8 | 13 | 186 | 93 | 0 | 112 | 0 | 612 |
| | | Background | 0 | 784 | 353 | 125 | 884 | 0 | 1 100 | 1 007 | 0 | 165 | 1 602 | 44 | 2,355 |
| 10 | Laurel Street / North Harbor Drive | Total Airport | 0 | 0 | 0 | 72 0 | 0 | 11 0 | 1,108 410 | 1,907 706 | 0 | 0 | 1,602 651 | 105 0 | 4,805 1,767 |
| .0 | Eddio. Gaost. Hotal Halbor Dive | Background | 0 | 0 | 0 | 72 | 0 | 11 | 698 | 1,201 | 0 | 0 | 951 | 105 | 3,038 |
| | | Total | 0 | 582 | 0 | 0 | 2,078 | 0 | 0 | 0 | 0 | 133 | 0 | 1,051 | 3,844 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 171 | 0 | 0 | 706 | 0 | 0 | 0 | 0 | 5 | 0 | 480 | 1,362 |
| | | Background Total | 0 | 411 641 | 0 268 | 0 1,142 | 1,372 1,092 | 0 | 0 | 0 | 0 | 128 0 | 0 | 571 0 | 2,482 3,143 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 171 | 7 | 469 | 242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 889 |
| | • | Background | 0 | 470 | 261 | 673 | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,254 |
| 40 | Land Oracle David History | Total | 111 | 606 | 146 | 139 | 483 | 369 | 471 | 688 | 58 | 51 | 793 | 78 | 3,993 |
| 13 | Laurel Street / Pacific Highway | Airport Background | 111 | 47 559 | 145 | 7 132 | 69 414 | 82 287 | 84 387 | 326 362 | 0 58 | 0 51 | 304 489 | 5 73 | 925 3,068 |
| | | Total | 122 | 594 | 0 | 0 | 560 | 49 | 0 | 0 | 0 | 147 | 1,026 | 83 | 2,581 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 87 | 47 | 0 | 0 | 64 | 5 | 0 | 0 | 0 | 0 | 393 | 1 | 597 |
| | | Background | 35 | 547 | 0 | 0 | 496 | 44 | 0 | 0 | 0 | 147 | 633 | 82 | 1,984 |
| 15 | Grape Street / Pacific Highway | Total Airport | 0 | 664 127 | 448 0 | 237 | 544 63 | 0 | 51 7 | 1,591 441 | 28 28 | 0 | 0 | 0 | 3,563 667 |
| 13 | Grape Greet, Facility Highway | Background | 0 | 537 | 448 | 236 | 481 | 0 | 44 | 1,150 | 0 | 0 | 0 | 0 | 2,896 |
| | | Total | 0 | 0 | 0 | 282 | 601 | 575 | 0 | 870 | 79 | 54 | 291 | 0 | 2,752 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 238 | 0 | 334 | 0 | 0 | 70 | 0 | 642 |
| | | Background Total | 0 | 0 | 0 | 282 0 | 601 401 | 337 72 | 0 | 536 0 | 79 0 | 54 192 | 221 1,376 | 0 | 2,110 2,041 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 394 | 0 | 395 |
| | | Background | Ö | 0 | 0 | 0 | 400 | 72 | 0 | 0 | 0 | 192 | 982 | 0 | 1,646 |
| 4.0 | Over Obert IV. | Total | 0 | 0 | 0 | 221 | 487 | 0 | 0 | 3,106 | 94 | 0 | 0 | 0 | 3,908 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 221 | 0 487 | 0 | 0 | 2 670 | 15 | 0 | 0 | 0 | 442 3.466 |
| | | Background Total | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 2,679 532 | 79 2,065 | 0 | 0 | 0 | 3,466 3,091 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 424 | 0 | 0 | 0 | 427 |
| | * | Background | 98 | 187 | 183 | 0 | 0 | 0 | 26 | 529 | 1,641 | 0 | 0 | 0 | 2,664 |
| 20 | Hawthorn Street / L. 5 Northhaund Off Dan- | Total | 36 | 57 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,482 | 61 0 | 1,636 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport Background | 0 36 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 391 1,091 | 61 | 391 1,245 |
| | | Total | 85 | 290 | 86 | 0 | 0 | 0 | 654 | 499 | 41 | 0 | 273 | 267 | 2,195 |
| 21 | Laurel Street / India Street | Airport | 41 | 0 | 0 | 0 | 0 | 0 | 259 | 34 | 41 | 0 | 30 | 0 | 405 |
| | | Background | 44 | 290 | 86 | 106 | 1 724 | 0 | 395 | 465 | 100 | 0 | 243 | 267 | 1,790 |
| 22 | Sassafras Street / Kettner Boulevard | Total Airport | 0 | 0 | 0 | 186 0 | 1,734 239 | 258 33 | 0 | 213 56 | 100 57 | 85 0 | 87 33 | 0 | 2,663 418 |
| | Sassanas Sassa, Nettrici Boulevaru | Background | 0 | 0 | 0 | 186 | 1,495 | 225 | 0 | 157 | 43 | 85 | 54 | 0 | 2,245 |
| | | Total | 180 | 1,326 | 31 | 0 | 0 | 0 | 304 | 60 | 110 | 0 | 14 | 17 | 2,042 |
| 23 | Sassafras Street / India Street | Airport | 56 | 259 | 0 | 0 | 0 | 0 | 92 | 0 | 0 | 0 | 0 | 0 | 407 |
| | | Background Total | 124 0 | 1,067 | 31 0 | 0 488 | 0 49 | 10 | 212 | 60 223 | 110 51 | 0 199 | 14 80 | 17 0 | 1,635 1,100 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 53 | 46 | 0 | 136 |
| | | Background | 0 | 0 | 0 | 488 | 49 | 10 | 0 | 196 | 41 | 146 | 34 | 0 | 964 |
| 25 | Weshington Chart / Design Line N.D. Design | Total | 37 | 25 | 199 | 57 | 55 | 7 | 55 | 14 | 592 | 327 | 207 | 59 | 1,635 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport Background | 13 24 | 0 25 | 61 138 | 0 57 | 0 55 | 7 | 0 55 | 0 14 | 27 565 | 86 241 | 0 207 | 0 59 | 187 1,448 |
| | | Total | 0 | 652 | 157 | 343 | 379 | 0 | 555 | 331 | 155 | 0 | 0 | 0 | 2,572 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 75 | 13 | 0 | 70 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 174 |
| | | Background | 0 | 577 | 144 | 343 | 309 | 0 | 555 | 331 | 139 | 0 | 0 | 0 | 2,398 |
| 27 | Washington Street / San Diogo Avenus | Total | 187 | 1,152 | 0 | 0 | 571 | 489 | 0 | 0 | 0 | 185 | 276 | 17 | 2,877 |
| 27 | Washington Street / San Diego Avenue | Airport Background | 12 175 | 62 1,090 | 0 | 0 | 54 517 | 0 489 | 0 | 0 | 0 | 16 169 | 0 276 | 0 17 | 144 2,733 |
| | | Total | 351 | 287 | 636 | 120 | 139 | 67 | 111 | 459 | 170 | 246 | 304 | 129 | 3,019 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 10 | 0 | 2 | 0 | 0 | 1 | 0 | 8 | 1 | 0 | 25 |
| | | Background | 351 | 284 | 626 | 120 | 137 | 67 | 111 | 458 | 170 | 238 | 303 | 129 | 2,994 |
| | RosecransStreet / Nimitz Boulevard | Total Airport | 18 0 | 192 74 | 109 89 | 30 0 | 102 68 | 30 0 | 332 | 812 0 | 33 0 | 172 82 | 653 0 | 53 0 | 2,536 313 |
| 29 | | | | | | | | | | | | | | | |
| 29 | Nosecialisotieet/ Nimitz boulevaru | Background | 18 | 118 | 20 | 30 | 34 | 30 | 332 | 812 | 33 | 90 | 653 | 53 | 2,223 |

Source: HNTB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-S Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-102 2015 Intersection Turning Volumes – AM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| Laz W | | | NE: | No- | LNEE | L 05: | 05- | 055 | FF: | | | 14/5: | | 14/55 | . |
|----------|--|--|---|--|--------------------------------------|--------------------------------------|--|--|-------------------------------------|----------------------------------|--------------------------------------|--|--|------------------------------------|---|
| Int# | | Total | NBL 0 | NBT 0 | NBR | SBL 601 | SBT 0 | SBR | EBL 13 | EBT 510 | EBR 0 | WBL | WBT 681 | WBR 340 | 2 184 |
| 1 | North Harbor Drive / Nimitz Blvd | Total Airport | 0 | 0 | 0 | 601 215 | 0 | 22 0 | 13 0 | 519 39 | 0 | 8 | 681 30 | 340 171 | 2,184 455 |
| ' | TOTAL TOTAL STATE OF THE STATE | Background | 0 | 0 | 0 | 386 | 0 | 22 | 13 | 480 | 0 | 8 | 651 | 169 | 1,729 |
| | | Total | 0 | 0 | 0 | 138 | 0 | 35 | 186 | 657 | 0 | 0 | 888 | 500 | 2,404 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 61 | 0 | 6 | 11 | 243 | 0 | 0 | 196 | 144 | 661 |
| | | Background | 0 | 0 | 0 | 77 | 0 | 29 | 175 | 414 | 0 | 0 | 692 | 356 | 1,743 |
| | | Total | 5 | 0 | 18 | 23 | 0 | 120 | 81 | 787 | 5 | 16 | 1,619 | 0 | 2,674 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 120 | 81 | 222 | 0 | 0 | 220 | 0 | 666 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 565 | 5 | 16 | 1,399 | 0 | 2,008 |
| | North Hoston Britis / Hoston Island Britis | Total | 43 | 2 | 152 | 19 | 5 | 41 | 38 | 703 | 88 | 243 | 2,009 | 0 | 3,343 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 2 | 43 | 19 | 5 | 41 | 38 | 185 | 23 | 69 | 626 | 0 | 1,062 |
| | | Background Total | 32 0 | 0 | 109 | 0 352 | 0 | 0 97 | 0 145 | 518 729 | 65 0 | 174 0 | 1,383 | 0 | 2,281 3,687 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 352 | 0 | 97 | 145 | 102 | 0 | 0 | 2,364 807 | 0 | 1,503 |
| 3 | Notificial bot brive / Willship Lane | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 0 | 0 | 1,557 | 0 | 2,184 |
| | | Total | 63 | 0 | 50 | 39 | 0 | 19 | 25 | 1,711 | 78 | 133 | 2,806 | 75 | 4,999 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 63 | 0 | 50 | 39 | 0 | 19 | 25 | 1,084 | 78 | 133 | 1,249 | 75 | 2,815 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 0 | 0 | 1,557 | 0 | 2,184 |
| | | Total | 13 | 113 | 0 | 0 | 237 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 580 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 56 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 153 |
| | | Background | 13 | 57 | 0 | 0 | 140 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 427 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 95 | 0 | 0 | 69 | 1 | 285 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 15 | 0 | 0 | 19 | 1 | 155 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 50 | 0 | 130 |
| 9 | Sassafras Street / Dacific Highway | Total Airport | 80 80 | 591 72 | 86 0 | 56 0 | 651 94 | 11 11 | 6 | 79 79 | 49 49 | 248 0 | 156 156 | 65 0 | 2,078 547 |
| 0 | Sassafras Street / Pacific Highway | Background | 0 | 519 | 86 | 56 | 557 | 0 | 0 | 0 | 0 | 248 | 0 | 65 | 1,531 |
| | 1 | Total | 0 | 0 | 0 | 26 | 0 | 4 | 450 | 1,191 | 0 | 0 | 1,960 | 39 | 3,670 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 430 | 743 | 0 | 0 | 935 | 0 | 2,108 |
| |] | Background | 0 | 0 | Ö | 26 | 0 | 4 | 20 | 448 | 0 | 0 | 1,025 | 39 | 1,562 |
| | | Total | 0 | 312 | 0 | 0 | 1,123 | 0 | 0 | 0 | 0 | 87 | 0 | 2,058 | 3,580 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 244 | 0 | 0 | 743 | 0 | 0 | 0 | 0 | 8 | 0 | 691 | 1,686 |
| | | Background | 0 | 68 | 0 | 0 | 380 | 0 | 0 | 0 | 0 | 79 | 0 | 1,367 | 1,894 |
| | | Total | 0 | 254 | 110 | 873 | 506 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,743 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 244 | 7 | 501 | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,003 |
| | | Background | 0 | 10 | 103 | 372 | 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 740 |
| 10 | Laurel Chroat / Desifie History | Total | 41 0 | 382 59 | 108 7 | 97 4 | 322 | 414 101 | 102 | 584 342 | 2 | 52 1 | 777 420 | 66 | 2,947 |
| 13 | Laurel Street / Pacific Highway | Airport Background | 41 | 323 | 101 | 93 | 38 284 | 313 | 88 14 | 242 | 2 | 51 | 357 | 6 60 | 1,066 1,881 |
| | | Total | 125 | 247 | 0 | 0 | 191 | 63 | 0 | 0 | 0 | 267 | 1,971 | 92 | 2,956 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 125 | 62 | 0 | 0 | 30 | 8 | 0 | 0 | 0 | 0 | 566 | 5 | 796 |
| | | Background | 0 | 185 | 0 | 0 | 161 | 55 | 0 | 0 | 0 | 267 | 1,405 | 87 | 2,160 |
| | | Total | 0 | 644 | 182 | 170 | 947 | 0 | 70 | 890 | 37 | 0 | 0 | 0 | 2,940 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 179 | 0 | 0 | 30 | 0 | 7 | 464 | 37 | 0 | 0 | 0 | 717 |
| | | Background | 0 | 465 | 182 | 170 | 917 | 0 | 63 | 426 | 0 | 0 | 0 | 0 | 2,223 |
| | | Total | 0 | 0 | 0 | 262 | 355 | 612 | 0 | 696 | 49 | 46 | 280 | 0 | 2,300 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 0 | 343 | 0 | 353 | 0 | 2 | 84 | 0 | 787 |
| | | Background | 0 | 0 | 0 | 257 | 355 | 269 | 0 | 343 | 49 | 44 | 196 | 0 | 1,513 |
| 17 | Houstharn Chroat / Kattaan Davilayand | Total | 0 | 0 | 0 | 0 | 171 | 90 | 0 | 0 | 0 | 173 | 2,789 | 0 | 3,223 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport Background | 0 | 0 | 0 | 0 | 2 169 | 90 | 0 | 0 | 0 | 0 173 | 571 2,218 | 0 | 573 2,650 |
| | | Total | 0 | 0 | 0 | 105 | 524 | 0 | 0 | 1,431 | 104 | 0 | 0 | 0 | 2,164 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 450 | 15 | 0 | 0 | 0 | 467 |
| | | Background | 0 | 0 | Ö | 103 | 524 | 0 | 0 | 981 | 89 | Ö | 0 | 0 | 1,697 |
| | | Total | 77 | 102 | 87 | 0 | 0 | 0 | 43 | 437 | 1,129 | 0 | 0 | 0 | 1,875 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 449 | 0 | 0 | 0 | 452 |
| | | Background | 77 | 102 | 87 | 0 | 0 | 0 | 43 | 434 | 680 | 0 | 0 | 0 | 1,423 |
| | | Total | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,518 | 77 | 2,689 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 567 | 0 | 567 |
| | | Background | 48 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,951 | 77 | 2,122 |
| 24 | Laurel Street / India Street | Total | 98 44 | 135 | 23 | 0 | 0 | 0 | 525 | 386 | 53 | 0 | 258 | 231 | 1,709 |
| 21 | Laurer Street / Iliula Street | Airport Background | 54 | 133 | 23 | 0 | 0 | 0 | 273 252 | 33 353 | 53 0 | 0 | 42 216 | 231 | 447 1,262 |
| | | Total | 0 | 0 | 0 | 115 | 1,316 | 348 | 0 | 60 | 53 | 139 | 102 | 0 | 2,133 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 348 | 45 | 0 | 22 | 23 | 0 | 46 | 0 | 484 |
| _ | | Background | 0 | 0 | Ö | 115 | 968 | 303 | 0 | 38 | 30 | 139 | 56 | 0 | 1,649 |
| | | Total | 226 | 918 | 12 | 0 | 0 | 0 | 126 | 28 | 58 | 0 | 34 | 22 | 1,424 |
| 23 | Sassafras Street / India Street | Airport | 79 | 275 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 393 |
| | | Background | 147 | 643 | 12 | 0 | 0 | 0 | 87 | 28 | 58 | 0 | 34 | 22 | 1,031 |
| | | Total | 0 | 0 | 0 | 200 | 35 | 57 | 0 | 76 | 42 | 163 | 174 | 0 | 747 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 15 | 75 | 36 | 0 | 165 |
| | | Background | 0 | 0 | 0 | 200 | 35 | 57 | 0 | 37 | 27 | 88 | 138 | 0 | 582 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Total | 94 | 16 | 155 | 29 | 7 | 20 0 | 24 | 0 | 258 | 359 | 162 | 53 0 | 1,177 207 |
| 25 | vvasimgion street / Facilic nighway Nb-Ramps (1) | Airport Background | 84 | 0 16 | 57 98 | 0 29 | 7 | 20 | 0 24 | 0 | 39 219 | 101 258 | 0 162 | 53 | 970 |
| | | Total | 0 | 297 | 120 | 352 | 417 | 0 | 358 | 167 | 134 | 0 | 0 | 0 | 1,845 |
| | | · Juli | 0 | 78 | 18 | 1 | 89 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 198 |
| 26 | Washington Street / Hancock Street | Airport | | | | | | | | | 122 | 0 | | | 1,647 |
| 26 | Washington Street / Hancock Street | Airport Background | 0 | 219 | 102 | 351 | 328 | 0 | 358 | 167 | 122 | | 0 | 0 | |
| 26 | Washington Street / Hancock Street | | | 219 637 | 102 | 0 | 564 | 553 | 358 | 0 | 0 | 194 | 225 | 8 | 2,288 |
| 26 27 | Washington Street / Hancock Street Washington Street / San Diego Avenue | Background Total Airport | 0 107 18 | 637 59 | | | | 553 0 | 0 | | 0 | 194 12 | 225 0 | | 2,288 166 |
| | - | Background Total Airport Background | 0 107 18 89 | 637 59 578 | 0 0 | 0 0 | 564 77 487 | 553 0 553 | 0 0 0 | 0 0 0 | 0 0 0 | 194 12 182 | 225 0 225 | 8 0 8 | 2,288 166 2,122 |
| 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total | 0 107 18 89 237 | 637 59 578 177 | 0 0 0 261 | 0 0 0 116 | 564 77 487 170 | 553 0 553 72 | 0 0 0 63 | 0 0 0 183 | 0 0 0 151 | 194 12 182 314 | 225 0 225 153 | 8 0 8 89 | 2,288 166 2,122 1,986 |
| | - | Background Total Airport Background Total Airport | 0 107 18 89 237 0 | 637 59 578 177 3 | 0 0 0 261 9 | 0 0 0 116 0 | 564 77 487 170 3 | 553 0 553 72 1 | 0 0 0 63 0 | 0 0 0 183 1 | 0 0 0 151 0 | 194 12 182 314 12 | 225 0 225 153 2 | 8 0 8 89 0 | 2,288 166 2,122 1,986 31 |
| 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total Airport Background | 0 107 18 89 237 0 237 | 637 59 578 177 3 174 | 0 0 0 261 9 252 | 0 0 0 116 0 116 | 564 77 487 170 3 167 | 553 0 553 72 1 71 | 0 0 0 63 0 | 0 0 0 183 1 182 | 0 0 0 151 0 151 | 194 12 182 314 12 302 | 225 0 225 153 2 151 | 8 0 8 89 0 | 2,288 166 2,122 1,986 31 1,955 |
| 27 | Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway | Background Total Airport Background Total Airport Background Total Total Total | 0 107 18 89 237 0 237 16 | 637 59 578 177 3 174 121 | 0 0 0 261 9 252 99 | 0 0 0 116 0 116 14 | 564 77 487 170 3 167 112 | 553 0 553 72 1 71 15 | 0 0 0 63 0 63 155 | 0 0 183 1 182 671 | 0 0 0 151 0 151 30 | 194 12 182 314 12 302 124 | 225 0 225 153 2 151 627 | 8 0 8 89 0 89 40 | 2,288 166 2,122 1,986 31 1,955 2,024 |
| 27 | Washington Street / San Diego Avenue | Background Total Airport Background Total Airport Background Total Total Airport | 0 107 18 89 237 0 237 16 | 637 59 578 177 3 174 121 78 | 0 0 0 261 9 252 99 | 0 0 0 116 0 116 14 | 564 77 487 170 3 167 112 98 | 553 0 553 72 1 71 15 | 0 0 0 63 0 63 155 | 0 0 183 1 182 671 | 0 0 0 151 0 151 30 | 194 12 182 314 12 302 124 118 | 225 0 225 153 2 151 627 0 | 8 0 8 89 0 89 40 | 2,288 166 2,122 1,986 31 1,955 2,024 388 |
| 27 | Washington Street / San Diego Avenue Rosecrans Street / Pacific Highway RosecransStreet / Nimitz Boulevard | Background Total Airport Background Total Airport Background Total Total Total | 0 107 18 89 237 0 237 16 | 637 59 578 177 3 174 121 | 0 0 0 261 9 252 99 | 0 0 0 116 0 116 14 | 564 77 487 170 3 167 112 | 553 0 553 72 1 71 15 | 0 0 0 63 0 63 155 | 0 0 183 1 182 671 | 0 0 0 151 0 151 30 | 194 12 182 314 12 302 124 | 225 0 225 153 2 151 627 | 8 0 8 89 0 89 40 | 2,288 166 2,122 1,986 31 1,955 2,024 |

Note:
(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

ebr ebt wbt wbr2

Table D-103 2015 Intersection Turning Volumes – PM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| 1-4-4 | | 1 | LND | NDT | NDD | ODI | ODT | 000 | EDI | FDT | EDD | WDI | WDT | WDD | Total |
|--------------|--|-----------------------|-----------|---------|----------|------------|-------|---------|---------|-----------|--------------|---------|-----------|------------|----------------|
| Int# | | Tetal | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR 0 | WBL | WBT | WBR | Total |
| 1 | North Harbor Drive / Nimitz Blvd | Total Airport | 0 | 0 | 0 | 476 173 | 0 | 55 0 | 44 0 | 677 32 | 0 | 17 0 | 674 36 | 893 187 | 2,836 428 |
| ' ' | Notti Harbor Brive / Nimitz Biva | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| | | Total | 0 | 0 | 0 | 506 | 0 | 187 | 39 | 965 | 0 | 0 | 1,076 | 175 | 2,948 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 92 | 0 | 12 | 8 | 197 | 0 | 0 | 212 | 113 | 634 |
| _ | North Harbor Brive / Micoain Gt | Background | 0 | 0 | 0 | 414 | 0 | 175 | 31 | 768 | 0 | 0 | 864 | 62 | 2,314 |
| | | Total | 7 | 0 | 25 | 23 | 0 | 102 | 68 | 1,797 | 20 | 6 | 1,204 | 0 | 3,252 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 23 | 0 | 102 | 68 | 222 | 0 | 0 | 223 | 0 | 638 |
| ŭ | Notal Harbor Brive / Opanish Earlaing | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,575 | 20 | 6 | 981 | 0 | 2,614 |
| | | Total | 159 | 2 | 340 | 21 | 5 | 49 | 31 | 1,682 | 132 | 470 | 1,383 | 0 | 4,274 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 2 | 56 | 21 | 5 | 49 | 31 | 193 | 21 | 60 | 543 | 0 | 993 |
| | Horar Harbor Brito / Harbor Iolana Brito | Background | 147 | 0 | 284 | 0 | 0 | 0 | 0 | 1,489 | 111 | 410 | 840 | 0 | 3,281 |
| | | Total | 0 | 0 | 0 | 347 | 0 | 91 | 129 | 1,915 | 0 | 0 | 1,935 | 0 | 4,417 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | Ö | Ö | 347 | 0 | 91 | 129 | 142 | 0 | Ö | 685 | Ö | 1,394 |
| _ | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 87 | 0 | 97 | 63 | 0 | 23 | 21 | 2,903 | 87 | 100 | 2,303 | 50 | 5,734 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 87 | 0 | 97 | 63 | 0 | 23 | 21 | 1,130 | 87 | 100 | 1,053 | 50 | 2,711 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| | | Total | 23 | 423 | 0 | 0 | 537 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,157 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 70 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| | | Background | 23 | 353 | 0 | 0 | 451 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,001 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 104 | 0 | 0 | 136 | 1 | 364 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 18 | 0 | 0 | 15 | 1 | 157 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| | | Total | 73 | 1,027 | 424 | 150 | 1,136 | 9 | 15 | 207 | 104 | 202 | 131 | 54 | 3,532 |
| 9 | Sassafras Street / Pacific Highway | Airport | 73 | 86 | 0 | 0 | 77 | 9 | 15 | 207 | 104 | 0 | 131 | 0 | 702 |
| | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| | | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,172 | 2,008 | 0 | 0 | 1,678 | 102 | 5,047 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 813 | 0 | 0 | 752 | 0 | 2,042 |
| | | Background | 0 | 0 | 0 | 76 | 0 | 11 | 695 | 1,195 | 0 | 0 | 926 | 102 | 3,005 |
| | | Total | 0 | 590 | 0 | 0 | 2,142 | 0 | 0 | 0 | 0 | 145 | 0 | 1,160 | 4,037 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 197 | 0 | 0 | 813 | 0 | 0 | 0 | 0 | 9 | 0 | 556 | 1,575 |
| | | Background | 0 | 393 | 0 | 0 | 1,329 | 0 | 0 | 0 | 0 | 136 | 0 | 604 | 2,462 |
| | | Total | 0 | 650 | 261 | 1,186 | 1,096 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,193 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 197 | 10 | 541 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,030 |
| | | Background | 0 | 453 | 251 | 645 | 814 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,163 |
| | | Total | 131 | 719 | 176 | 166 | 576 | 438 | 507 | 766 | 62 | 59 | 885 | 85 | 4,570 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 57 | 5 | 8 | 79 | 94 | 96 | 381 | 0 | 3 | 356 | 6 | 1,085 |
| | | Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 3,485 |
| | | Total | 142 | 706 | 0 | 0 | 660 | 61 | 0 | 0 | 0 | 152 | 1,109 | 89 | 2,919 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 101 | 58 | 0 | 0 | 73 | 9 | 0 | 0 | 0 | 0 | 455 | 4 | 700 |
| | | Background | 41 | 648 | 0 | 0 | 587 | 52 | 0 | 0 | 0 | 152 | 654 | 85 | 2,219 |
| | | Total | 0 | 753 | 504 | 280 | 641 | 0 | 57 | 1,745 | 32 | 0 | 0 | 0 | 4,012 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 149 | 0 | 1 | 72 | 0 | 10 | 508 | 32 | 0 | 0 | 0 | 772 |
| | | Background | 0 | 604 | 504 | 279 | 569 | 0 | 47 | 1,237 | 0 | 0 | 0 | 0 | 3,240 |
| | | Total | 0 | 0 | 0 | 314 | 664 | 648 | 0 | 975 | 86 | 66 | 337 | 0 | 3,090 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 3 | 0 | 276 | 0 | 394 | 0 | 5 | 88 | 0 | 766 |
| | | Background | 0 | 0 | 0 | 311 | 664 | 372 | 0 | 581 | 86 | 61 | 249 | 0 | 2,324 |
| | | Total | 0 | 0 | 0 | 0 | 446 | 79 | 0 | 0 | 0 | 213 | 1,546 | 0 | 2,284 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 458 | 0 | 463 |
| | | Background | 0 | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | 1,821 |
| | | Total | 0 | 0 | 0 | 256 | 554 | 0 | 0 | 3,269 | 99 | 0 | 0 | 0 | 4,178 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 493 | 17 | 0 | 0 | 0 | 516 |
| | | Background | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 2,776 | 82 | 0 | 0 | 0 | 3,662 |
| 40 | 0 | Total | 117 | 223 | 218 | 0 | 0 | 0 | 26 | 541 | 2,161 | 0 | 0 | 0 | 3,286 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 494 | 0 | 0 | 0 | 498 |
| | | Background | 117 39 | 223 | 218 0 | 0 | 0 | 0 | 26 0 | 537 | 1,667 | 0 | 1,538 | 0 60 | 2,788 1.698 |
| 20 | Hauthern Street / LE Northhaund Off Bamp | Total Airport | 0 | 61 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 455 | 0 | 455 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | 39 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,083 | 60 | 1,243 |
| | | Background | 113 | 362 | 106 | 0 | 0 | 0 | 740 | 559 | 59 | 0 | 323 | 317 | 2,579 |
| 21 | Laurel Street / India Street | Total Airport | 59 | 5 | 0 | 0 | 0 | 0 | 298 | 39 | 59 | 0 | 35 | 0 | 495 |
| - ' | Laurer Outeet / Iriula Outeet | Airport Background | 54 | 357 | 106 | 0 | 0 | 0 | 442 | 520 | 0 | 0 | 288 | 317 | 2,084 |
| | | Total | 0 | 0 | 0 | 189 | 1,803 | 270 | 0 | 250 | 118 | 97 | 103 | 0 | 2,830 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 279 | 41 | 0 | 67 | 68 | 0 | 42 | 0 | 497 |
| | Sassanas Sassa, Retirior Boulevard | Background | 0 | 0 | 0 | 189 | 1,524 | 229 | 0 | 183 | 50 | 97 | 61 | 0 | 2,333 |
| | | Total | 210 | 1,542 | 36 | 0 | 0 | 0 | 346 | 69 | 126 | 0 | 15 | 18 | 2,362 |
| 23 | Sassafras Street / India Street | Airport | 66 | 304 | 0 | 0 | 0 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 473 |
| ~ | | Background | 144 | 1,238 | 36 | 0 | 0 | 0 | 243 | 69 | 126 | 0 | 15 | 18 | 1,889 |
| | | Total | 0 | 0 | 0 | 527 | 53 | 12 | 0 | 240 | 56 | 219 | 99 | 0 | 1,206 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 37 | 14 | 61 | 62 | 0 | 175 |
| | 3 | Background | | Ö | 0 | 527 | 53 | 11 | 0 | 203 | 42 | 158 | 37 | 0 | 1,031 |
| | | Total | 52 | 36 | 270 | 63 | 60 | 8 | 60 | 15 | 649 | 378 | 234 | 66 | 1,891 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 17 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 37 | 106 | 0 | 0 | 230 |
| 1 | 3 3 3 3 | Background | 35 | 36 | 200 | 63 | 60 | 8 | 60 | 15 | 612 | 272 | 234 | 66 | 1,661 |
| | | Total | 0 | 741 | 179 | 376 | 423 | 0 | 562 | 335 | 162 | 0 | 0 | 0 | 2,778 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 89 | 17 | 0 | 85 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 212 |
| 1 | | Background | 0 | 652 | 162 | 376 | 338 | 0 | 562 | 335 | 141 | 0 | 0 | 0 | 2,566 |
| | | Total | 208 | 1,264 | 0 | 0 | 596 | 504 | 0 | 0 | 0 | 207 | 304 | 19 | 3,102 |
| 27 | Washington Street / San Diego Avenue | Airport | 17 | 72 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 21 | 0 | 1 | 175 |
| L | | Background | 191 | 1,192 | 0 | 0 | 532 | 504 | 0 | 0 | 0 | 186 | 304 | 18 | 2,927 |
| | | Total | 418 | 341 | 756 | 141 | 163 | 78 | 119 | 485 | 180 | 257 | 315 | 134 | 3,387 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 3 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 31 |
| | | Background | 418 | 338 | 745 | 141 | 160 | 78 | 118 | 483 | 180 | 247 | 314 | 134 | 3,356 |
| | | Total | 18 | 203 | 122 | 11 | 91 | 11 | 348 | 852 | 34 | 183 | 643 | 52 | 2,568 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 85 | 102 | 0 | 79 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 361 |
| | | Background | 18 | 118 | 20 | 11 | 12 | 11 | 348 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| Source: HNTI | 3, 2007 | | | | | | | | | | | | | | |

Table D-104 2020 Intersection Turning Volumes – AM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| North Narbor Diver / North Carbor / North Farbor Diver / Repair Leading North Narbor Diver / North | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|--------|--|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| North Hatnor Drive / Ministr Browl | 1111.# | | Total | | | | | | | | | | | | | |
| North Hartor Drive / McCan St | 1 | North Harbor Drive / Nimitz Blvd | | | 0 | | | 0 | | | 43 | | | | | |
| North Harbor Drive / McCan St | | | | | | | | | | | | | | | | |
| Besignorus 0 0 0 88 0 32 192 686 0 0 984 838 1,089 1,089 3 3 3 3 3 3 3 3 3 | | | | | | | | | | | | | | | | |
| North Harbor Driver Spannish Lundring Span | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Direck Sparrial Landing Regart 0 0 0 0 22 0 129 88 247 0 0 242 0 729 | | | | | | | | | | | | | | | | |
| Background S | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Drive Harbor Island Drive August 11 3 44 11 5 13 68 77 80 251 2115 0 3.584 | · | restar raisor sirve repaired saliding | | | | | | | | | | | | | | |
| Besignord 33 0 113 0 0 0 0 0 75 72 181 5452 0 2 2.656 | | | | | | | | | | | | | | | | |
| North Harbor Drive / Wenthigh Lane | 4 | North Harbor Drive / Harbor Island Drive | Airport | 11 | 3 | 44 | 19 | 6 | 51 | 48 | 200 | 23 | 70 | 663 | 0 | 1,138 |
| Secretarial Street North Harbor Dinner Winship Lame Registration 0 | | | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | | 72 | 181 | 1,452 | 0 | 2,426 |
| Section Section Column | | | | | | | | | | | | | | | | |
| North Harbor Driver Rental Car Road Appoint 0 0 56 43 0 19 28 1,901 87 447 1,374 81 5,254 | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| North Nethor Drive Rental Car Road Anyton 70 0 56 43 0 19 20 1201 87 414 131 314 3 | | | | | | | | | | | | | | | | |
| Sherston / Harbor Island Drive | 6 | North Harbor Drive / Bontol Car Bond | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | O | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheration Harbor Island Drive | | | | | | | | | | | | | | | | |
| Background 33 62 0 0 154 69 86 27 0 0 0 0 446 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Beginplayer Lot / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Bestground 0 | | | | | 0 | 0 | | | | 82 | | 0 | | 72 | 1 | |
| 9 Sassafras Sireet / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | | 0 | 0 | 38 | 82 | | | 0 | 21 | | 158 |
| Sassafras Street / Pacific Highway Airport 67 83 0 0 107 12 6 85 52 0 170 0 602 | | | | | | | | | | | | | | | | |
| Background | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive | 9 | Sassatras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 23 0 4 21 479 0 0 0 1,155 44 1726 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurer Street / NORTH Marbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 268 0 0 822 0 0 0 0 12 0 759 1,891 | | | | | | | | | | | | | | | | |
| Background 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total O 277 104 944 543 O O O O O O O O O | | The state of the s | | | | | | | | | | | | | | |
| Background D | | | | | | | | | | | | | | | | |
| Total According Total According Total According Acco | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | | • | Background | 0 | 9 | 94 | 388 | 265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 756 |
| Background | | | | 46 | | 126 | 95 | 319 | 414 | | 597 | | 47 | 780 | 60 | 3,025 |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 137 71 0 0 0 183 62 0 0 0 0 621 8 883 | | | | | | | | | | | | | | | | |
| Background 0 208 0 0 158 622 0 0 0 204 1,546 695 2,339 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | _ | | | | | | | | | | | _ | |
| Airport O 198 | | | | | | | | | | | | | | | | |
| Background O 501 195 191 1,030 O 75 510 O O O 0 2,502 | 15 | Grane Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 0 | | Stape Substit Lasine Highway | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | | | | | | | | | | | | | | | |
| Total | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 | | | Background | 0 | 0 | 0 | 432 | 597 | 453 | 0 | 302 | 43 | 36 | 163 | 0 | 2,026 |
| Background O O O O 0 0 0 0 0 0 | | | Total | 0 | 0 | 0 | 0 | 289 | 152 | 0 | 0 | | 181 | 2,952 | 0 | 3,574 |
| Total O O O O 136 671 O O O 1,561 112 O O O C 2,480 | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | _ | | | | | | | |
| Airport 0 0 0 4 0 0 0 488 16 0 0 0 0 518 | | | | | | | | | | | | | | | | |
| Background O O O 132 671 O O 1,063 96 O O O 1,962 | 40 | 0 | | | | | | | | | | | | | | |
| Total 121 159 136 0 0 0 38 390 1,104 0 0 0 0 1,948 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 3 498 0 0 0 50 50 | | | | | | | | | | | | | | | | |
| Background 121 159 136 0 0 0 38 337 606 0 0 0 0 1,447 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp Airport D | | | | | | | | | | | | | | | | |
| Background Face F | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 625 |
| Airport Street India Street Airport S4 | | ' | Background | | | | | | | | | | | | | |
| Background 43 106 18 0 0 0 211 295 0 0 205 219 1,097 | | | | | | | | | | | | | | | | |
| Total | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 385 52 0 26 26 0 522 0 541 | | | | | | | | | | | | | | | | |
| Background O O O 274 2,312 723 O 36 29 137 55 O 3,566 | 22 | Sassafras Street / Kettner Boulevard | | _ | | | | | | | | | | | | |
| Total 205 834 10 0 0 0 128 27 57 0 37 23 1,321 | | Cassairas Carcer / Nettilei Doulevaru | | | | | | | | | | | | | | |
| Sassafras Street India Street Airport 85 306 0 0 0 0 42 0 0 0 0 0 433 | | | | | | | | | | | | | | | | |
| Background 120 528 10 0 0 0 86 27 57 0 37 23 888 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Total | | | | | | | 0 | | | | | | | | | |
| Background O O O D C266 40 65 O 39 28 95 149 O 642 | | | | | | | 226 | 40 | 65 | | 93 | | 178 | 198 | 0 | 848 |
| Total Tota | 24 | Washington Street / Pacific Highway SB-Ramps | Airport | | · | | | 0 | _ | • | 7 | 20 | 83 | 70 | 0 | 200 |
| Airport 13 0 63 0 0 0 1 0 53 118 0 0 248 | | | | | | | | | | | | | | | | |
| Background 57 11 66 31 7 21 26 0 235 264 166 54 938 | 0- | Washington Observed Baseline 1995 | | | | | | | | 27 | | | | | | |
| Total 0 315 129 394 468 0 473 221 179 0 0 0 0 2,179 | 25 | vvasnington Street / Pacific Highway NB-Ramps (1) | | | | | | | | 1 | | | | | | |
| Airport 0 91 25 1 101 0 0 0 17 0 0 0 0 235 | | | | | | | | | | | | | | | | |
| Background O 224 104 393 367 O 473 221 162 O O O 0 1,944 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 124 713 0 0 674 668 0 0 0 206 233 8 2,626 | 20 | asimgton offeet / Handook offeet | | | | | | | | | | | | | | |
| Airport 25 66 0 0 86 0 0 0 0 17 0 0 194 | | | | | | | | | | | | | | | | |
| Background 99 647 0 0 0 588 668 0 0 0 0 189 233 8 2,432 28 Rosecrans Street / Pacific Highway Airport 0 3 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,802 29 RosecransStreet / Nimitz Boulevard Airport 0 13 10 0 4 1 1 2 0 13 2 0 36 Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 Total 20 138 110 35 143 37 124 536 24 135 551 35 1,888 Airport 0 86 103 0 107 0 0 0 0 0 129 0 0 425 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway | | | | | | 0 | | | | | | 0 | | | | |
| Background 206 151 219 99 142 60 63 180 150 332 166 98 1,866 29 RosecransStreet / Nimitz Boulevard Airport 0 86 103 0 107 0 0 0 0 0 129 0 0 425 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | Total | 206 | 154 | 229 | | 146 | | 64 | | 150 | 345 | | 98 | 1,902 |
| 29 RosecransStreet / Nimitz Boulevard Total 20 138 110 35 143 37 124 536 24 135 551 35 1,888 Airport 0 86 103 0 107 0 0 0 0 129 0 0 425 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,888 | 28 | Rosecrans Street / Pacific Highway | Airport | 0 | | | | 4 | 1 | | | 0 | 13 | 2 | 0 | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 86 103 0 107 0 0 0 0 129 0 0 425 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | | | | | | | | | | | | | | | | |
| Background 20 52 7 35 36 37 124 536 24 6 551 35 1,463 | 00 | D | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | 2.000 | packground | 20 | 52 | _ / | 35 | 30 | 31 | 124 | ააი | ∠4 | 0 | ပ၁၊ | ან | 1,403 |

Table D-105 2020 Intersection Turning Volumes – PM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--------------|--|-----------------------|-----------|------------|-----------|----------|--------------|---------|----------|--------------|----------|-----------|--------------|------------|----------------|
| | | Total | 0 | 0 | 0 | 582 | 0 | 72 | 45 | 702 | 0 | 20 | 826 | 1,051 | 3,298 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 191 | 0 | 0 | 0 | 35 | 0 | 0 | 40 | 206 | 472 |
| | | Background | 0 | 0 | 0 | 391 | 0 | 72 | 45 | 667 | 0 | 20 | 786 | 845 | 2,826 |
| | | Total | 0 | 0 | 0 | 551 | 0 | 204 | 42 | 1,088 | 0 | 0 | 1,125 | 191 | 3,201 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 99 | 0 | 13 | 8 | 218 | 0 | 0 | 234 | 123 | 695 |
| | | Background | 0 | 0 | 0 | 452 | 0 | 191 | 34 | 870 | 0 | 7 | 891 | 68 | 2,506 |
| 3 | North Harbor Drive / Spanish Landing | Total | 7 | 0 | 25 0 | 24 24 | 0 | 111 | 71 71 | 1,994 245 | 25 0 | 0 | 1,265 246 | 0 | 3,529 697 |
| ı ı | Notti Harbor Drive / Spanish Landing | Airport Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,749 | 25 | 7 | 1,019 | 0 | 2,832 |
| - | | Total | 164 | 3 | 351 | 21 | 6 | 59 | 40 | 1,858 | 145 | 485 | 1,449 | 0 | 4,581 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 12 | 3 | 57 | 21 | 6 | 59 | 40 | 208 | 21 | 61 | 576 | 0 | 1,064 |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,650 | 124 | 424 | 873 | 0 | 3,517 |
| | | Total | 0 | 0 | 0 | 374 | 0 | 99 | 137 | 2,094 | 0 | 0 | 2,058 | 0 | 4,762 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 374 | 0 | 99 | 137 | 149 | 0 | 0 | 760 | 0 | 1,519 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| | | Total | 96 | 0 | 108 | 67 | 0 | 24 | 21 | 3,192 | 96 | 111 | 2,460 | 54 | 6,229 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 96 | 0 | 108 | 67 | 0 | 24 | 21 | 1,247 | 96 | 111 | 1,162 | 54 | 2,986 |
| | | Background | 0 | 0 441 | 0 | 0 | 0 | 70 | 0 | 1,945 | 0 | 0 | 1,298 | 0 | 3,243 |
| 7 | Sheraton / Harbor Island Drive | Total Airport | 23 | 72 | 0 | 0 | 566 88 | 70 0 | 77 0 | 0 | 25 0 | 0 | 0 | 0 | 1,204 160 |
| ' ' | Sileratori / Harbor Island Drive | Background | 23 | 369 | 0 | 0 | 478 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1.044 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 109 | 0 | 0 | 142 | 1 | 375 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 20 | 0 | 0 | 17 | 1 | 161 |
| | , ,, | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 125 | 0 | 214 |
| | | Total | 80 | 1,036 | 422 | 134 | 1,032 | 10 | 16 | 222 | 112 | 191 | 142 | 51 | 3,448 |
| 9 | Sassafras Street / Pacific Highway | Airport | 80 | 99 | 0 | 0 | 88 | 10 | 16 | 222 | 112 | 0 | 142 | 0 | 769 |
| | | Background | 0 | 937 | 422 | 134 | 944 | 0 | 0 | 0 | 0 | 191 | 0 | 51 | 2,679 |
| 1 7 | | Total | 0 | 0 | 0 | 68 | 0 | 10 | 1,272 | 2,171 | 0 | 0 | 1,871 | 115 | 5,507 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 529 | 894 | 0 | 0 | 827 | 0 | 2,250 |
| \vdash | | Background | 0 | 0 | 0 | 68 | 0 | 10 | 743 | 1,277 | 0 | 0 | 1,044 | 115 | 3,257 |
| 14 | Hawthorn Street / North Harbor Drive | Total | 0 | 626 | 0 | 0 | 2,369 | 0 | 0 | 0 | 0 | 182 | 0 | 1,365 | 4,542 |
| 11 | nawmoni Sueet / North Harbor Drive | Airport Background | 0 | 216 410 | 0 | 0 | 894 1,475 | 0 | 0 | 0 | 0 | 13 169 | 0 | 612 753 | 1,735 2,807 |
| | | Total | 0 | 633 | 245 | 1,268 | 1,158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,304 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 216 | 14 | 596 | 310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,136 |
| | | Background | 0 | 417 | 231 | 672 | 848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,168 |
| | | Total | 148 | 813 | 201 | 162 | 570 | 438 | 471 | 765 | 55 | 54 | 862 | 76 | 4,615 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 66 | 8 | 9 | 88 | 104 | 106 | 423 | 0 | 5 | 396 | 7 | 1,212 |
| | | Background | 148 | 747 | 193 | 153 | 482 | 334 | 365 | 342 | 55 | 49 | 466 | 69 | 3,403 |
| | | Total | 157 | 796 | 0 | 0 | 745 | 72 | 0 | 0 | 0 | 167 | 1,219 | 99 | 3,255 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 111 | 68 | 0 | 0 | 79 | 13 | 0 | 0 | 0 | 0 | 500 | 6 | 777 |
| | | Background | 46 | 728 | 0 | 0 | 666 | 59 | 0 | 0 | 0 | 167 | 719 | 93 | 2,478 |
| 45 | 0 | Total | 0 | 815 | 542 | 314 | 718 | 0 | 70 | 2,042 | 38 | 0 | 0 | 0 | 4,539 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 166 649 | 0 542 | 1 313 | 79 639 | 0 | 14 56 | 559 1,483 | 38 0 | 0 | 0 | 0 | 857 3,682 |
| - | | Background Total | 0 | 049 | 0 | 528 | 1,116 | 930 | 0 | 952 | 76 | 60 | 312 | 0 | 3,974 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 0 | 304 | 0 | 440 | 0 | 9 | 104 | 0 | 862 |
| 10 | Eddici Guesti Netulci Bodicvard | Background | 0 | 0 | 0 | 523 | 1,116 | 626 | 0 | 512 | 76 | 51 | 208 | 0 | 3,112 |
| | | Total | Ö | Ö | Ö | 0 | 751 | 134 | 0 | 0 | 0 | 223 | 1,645 | 0 | 2,753 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 506 | 0 | 515 |
| | | Background | 0 | 0 | 0 | 0 | 742 | 134 | 0 | 0 | 0 | 223 | 1,139 | 0 | 2,238 |
| | | Total | 0 | 0 | 0 | 329 | 709 | 0 | 0 | 3,550 | 106 | 0 | 0 | 0 | 4,694 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 8 | 1 | 0 | 0 | 541 | 18 | 0 | 0 | 0 | 568 |
| | | Background | 0 | 0 | 0 | 321 | 708 | 0 | 0 | 3,009 | 88 | 0 | 0 | 0 | 4,126 |
| 40 | 0 0 | Total | 183 | 348 | 340 | 0 | 0 | 0 | 23 | 483 | 2,033 | 0 | 0 | 0 | 3,410 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 546 | 0 | 0 | 0 | 550 |
| - | | Background | 183 | 348 | 340 | 0 | 0 | 0 | 23 | 479 | 1,487 | 0 | 0 1,470 | 0 | 2,860 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Total Airport | 42 0 | 65 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 503 | 54 0 | 1,631 503 |
| | awaiom oaccer i-o noraibouna on-namp | Background | 42 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 967 | 54 | 1,128 |
| | | Total | 117 | 294 | 85 | 0 | 0 | 0 | 697 | 478 | 74 | 0 | 313 | 301 | 2,359 |
| 21 | Laurel Street / India Street | Airport | 74 | 9 | 1 | 0 | 0 | 0 | 328 | 43 | 74 | 0 | 39 | 0 | 568 |
| | | Background | 43 | 285 | 84 | 0 | 0 | 0 | 369 | 435 | 0 | 0 | 274 | 301 | 1,791 |
| | | Total | 0 | 0 | 0 | 452 | 3,948 | 596 | 0 | 250 | 123 | 96 | 109 | 0 | 5,574 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 309 | 48 | 0 | 74 | 75 | 0 | 48 | 0 | 554 |
| \vdash | | Background | | 0 | 0 | 452 | 3,639 | 548 | 0 | 176 | 48 | 96 | 61 | 0 | 5,020 |
| | Consenting Characteristic Characteristic | Total | 189 | 1,353 | 30 | 0 | 0 | 0 | 351 | 68 | 124 | 0 | 16 | 19 | 2,150 |
| 23 | Sassafras Street / India Street | Airport | 71 118 | 337 | 30 | 0 | 0 | 0 | 111 | 0 | 0 124 | 0 | 0 16 | 10 | 519 1.631 |
| \vdash | | Background Total | 118 0 | 1,016 | 0 | 596 | 60 | 13 | 240 | 68 262 | 63 | 237 | 125 | 19 0 | 1,631 1,356 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 49 | 19 | 67 | 85 | 0 | 221 |
| ~ | g.on on out it dono inginia, ob itampo | Background | 0 | 0 | 0 | 596 | 60 | 12 | 0 | 213 | 44 | 170 | 40 | 0 | 1,135 |
| | | Total | 47 | 25 | 212 | 67 | 65 | 8 | 65 | 16 | 707 | 407 | 240 | 68 | 1,927 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 24 | 0 | 76 | 0 | 0 | 0 | 1 | 0 | 49 | 129 | 0 | 0 | 279 |
| | ' ' ' ' | Background | 23 | 25 | 136 | 67 | 65 | 8 | 64 | 16 | 658 | 278 | 240 | 68 | 1,648 |
| | | Total | 0 | 769 | 189 | 422 | 479 | 0 | 742 | 443 | 215 | 0 | 0 | 0 | 3,259 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 102 | 23 | 1 | 100 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 255 |
| | | Background | 0 | 667 | 166 | 421 | 379 | 0 | 742 | 443 | 186 | 0 | 0 | 0 | 3,004 |
| | West-selection Observation By | Total | 237 | 1,415 | 0 | 0 | 714 | 609 | 0 | 0 | 0 | 222 | 315 | 20 | 3,532 |
| 27 | Washington Street / San Diego Avenue | Airport | 23 | 79 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 29 | 0 | 1 | 203 |
| \vdash | | Background | | 1,336 | 0 | 120 | 643 | 609 | 118 | 182 | 178 | 193 | 315 | 19 | 3,329 |
| 28 | Rosecrans Street / Pacific Highway | Total Airport | 363 0 | 297 3 | 660 12 | 120 0 | 139 | 68 1 | 118 | 482 | 178 0 | 283 11 | 348 | 147 0 | 3,203 35 |
| 20 | Nosecians Street / Facility ingriwdy | Background | 363 | 294 | 648 | 120 | 136 | 67 | 117 | 480 | 178 | 272 | 346 | 147 | 3,168 |
| | | Total | 22 | 239 | 137 | 28 | 118 | 28 | 278 | 680 | 27 | 182 | 566 | 46 | 2,351 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 94 | 113 | 0 | 87 | 0 | 0 | 0 | 0 | 104 | 0 | 0 | 398 |
| | | Background | 22 | 145 | 24 | 28 | 31 | 28 | 278 | 680 | 27 | 78 | 566 | 46 | 1,953 |
| Source: HNTE | 3 2007 | | • | • | | • | | • | | | | • | • | | |

⁽¹⁾ The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-106 2025 Intersection Turning Volumes – AM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| Int# | | | NPI | NPT | MPP | C PI | CPT | CDD | EPI | EPT | EPB | WDI | WPT | WPP | Total |
|--------------|--|-----------------------|-----------|-----------------|-----------|-------------|-----------------|---------------|------------|----------------|--------------|------------------|----------------|----------------|--------------------|
| IIIL# | | Total | NBL 0 | NBT 0 | NBR 0 | 742 | SBT 0 | SBR 31 | 14 | EBT 565 | EBR 0 | WBL 10 | WBT 887 | WBR 416 | Total 2,665 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 250 | 0 | 0 | 0 | 45 | 0 | 0 | 36 | 201 | 532 |
| | | Background | 0 | 0 | 0 | 492 | 0 | 31 | 14 | 520 | 0 | 10 | 851 | 215 | 2,133 |
| | | Total | 0 | 0 | 0 | 154 | 0 | 39 | 209 | 746 | 0 | 0 | 990 | 562 | 2,700 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 67 | 0 | 6 | 11 | 284 | 0 | 0 | 231 | 160 | 759 |
| | | Background | 0 | 0 | 0 | 87 | 0 | 33 | 198 | 462 | 0 | 0 | 759 | 402 | 1,941 |
| | | Total | 5 | 0 | 18 | 24 | 0 | 139 | 91 | 889 | 6 | 18 | 1,809 | 0 | 2,999 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 139 | 91 | 259 | 0 | 0 | 252 | 0 | 765 |
| | | Background | 5 | 0 | 18 | 0 | 0 | 0 | 0 | 630 | 6 | 18 | 1,557 | 0 | 2,234 |
| 4 | North Harbor Drive / Harbor Island Drive | Total | 44 11 | 3 | 158 45 | 19 | 6 | 54 54 | 52 | 784 208 | 95 23 | 264 | 2,243 | 0 | 3,722 1,192 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport Background | 33 | 0 | 113 | 19 0 | 6 | 0 | 52 0 | 576 | 72 | 70 194 | 701 1,542 | 0 | 2,530 |
| | | Total | 0 | 0 | 0 | 401 | 0 | 111 | 161 | 801 | 0 | 0 | 2,684 | 0 | 4,158 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 401 | 0 | 111 | 161 | 112 | 0 | 0 | 948 | 0 | 1,733 |
| ľ | North Harbor Brive / Williship Earle | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| | | Total | 74 | 0 | 60 | 44 | 0 | 20 | 26 | 1,967 | 93 | 157 | 3,190 | 84 | 5,715 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 74 | 0 | 60 | 44 | 0 | 20 | 26 | 1,278 | 93 | 157 | 1,454 | 84 | 3,290 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| | | Total | 13 | 122 | 0 | 0 | 267 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 619 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 60 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 97 | 0 | 0 | 72 | 1 | 290 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 17 | 0 | 0 | 22 | 1 | 160 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 50 | 0 | 130 |
| | | Total | 92 | 637 | 91 | 57 | 675 | 13 | 7 | 90 | 55 | 268 | 180 | 70 | 2,235 |
| 9 | Sassafras Street / Pacific Highway | Airport | 92 | 89 | 0 | 0 | 116 | 13 | 7 | 90 | 55 | 0 | 180 | 0 | 642 |
| \vdash | | Background | 0 | 548 0 | 91 | 57 | 559 | 0 | 530 | 1 324 | 0 | 268 | 2 208 | 70 | 1,593 |
| 10 | Laurel Street / North Harbor Drive | Total | 0 | | 0 | 15 0 | 0 | 3 0 | 530 | 1,324 | 0 | 0 | 2,298 | 46 0 | 4,216 |
| ١٠ | Laurer Street / NOITH Halbur Dilve | Background | 0 | 0 | 0 | 15 | 0 | 3 | 510 20 | 872 452 | 0 | 0 | 1,084 | 46 | 2,466 1,750 |
| \vdash | | Total | 0 | 357 | 0 | 0 | 1,315 | 0 | 0 | 0 | 0 | 116 | 0 | 2,571 | 4,359 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 282 | 0 | 0 | 872 | 0 | 0 | 0 | 0 | 14 | 0 | 802 | 1,970 |
| ' | | Background | 0 | 75 | 0 | 0 | 443 | 0 | 0 | 0 | 0 | 102 | 0 | 1,769 | 2,389 |
| | | Total | 0 | 291 | 111 | 1,000 | 577 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,979 |
| 12 | Grape Street / North Harbor Drive | Airport | 0 | 282 | 12 | 590 | 297 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,181 |
| | • | Background | 0 | 9 | 99 | 410 | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 798 |
| | | Total | 50 | 469 | 139 | 99 | 337 | 435 | 110 | 551 | 1 | 47 | 803 | 59 | 3,100 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 72 | 16 | 5 | 49 | 117 | 102 | 408 | 0 | 3 | 493 | 7 | 1,272 |
| | | Background | 50 | 397 | 123 | 94 | 288 | 318 | 8 | 143 | 1 | 44 | 310 | 52 | 1,828 |
| | | Total | 145 | 303 | 0 | 0 | 235 | 81 | 0 | 0 | 0 | 336 | 2,425 | 120 | 3,645 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 145 | 77 | 0 | 0 | 37 | 14 | 0 | 0 | 0 | 0 | 657 | 10 | 940 |
| | | Background | 0 | 226 | 0 | 0 | 198 | 67 | 0 | 0 | 0 | 336 | 1,768 | 110 | 2,705 |
| 45 | Grape Street / Pacific Highway | Total | 0 | 741 | 207 | 208 | 1,158 | 0 | 90 | 1,076 | 46 | 0 | 0 | 0 | 3,526 |
| 15 | | Airport | 0 | 211 530 | 0 207 | 0 208 | 37 1,121 | 0 | 12 | 544 532 | 46 0 | 0 | 0 | 0 | 850 2,676 |
| | | Background Total | 0 | 0 | 0 | 380 | 511 | 786 | 78 0 | 725 | 42 | 43 | 270 | 0 | 2,757 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 10 | 0 | 398 | 0 | 428 | 0 | 6 | 105 | 0 | 947 |
| | Edulat Guest / Retulet Bodievard | Background | 0 | 0 | 0 | 370 | 511 | 388 | 0 | 297 | 42 | 37 | 165 | 0 | 1,810 |
| | | Total | 0 | 0 | 0 | 0 | 242 | 126 | 0 | 0 | 0 | 193 | 3,145 | 0 | 3,706 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 667 | 0 | 673 |
| | | Background | 0 | 0 | 0 | 0 | 236 | 126 | 0 | 0 | 0 | 193 | 2,478 | 0 | 3,033 |
| | | Total | 0 | 0 | 0 | 127 | 623 | 0 | 0 | 1,608 | 115 | 0 | 0 | 0 | 2,473 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 528 | 17 | 0 | 0 | 0 | 551 |
| | | Background | 0 | 0 | 0 | 122 | 622 | 0 | 0 | 1,080 | 98 | 0 | 0 | 0 | 1,922 |
| | | Total | 126 | 166 | 142 | 0 | 0 | 0 | 39 | 404 | 1,156 | 0 | 0 | 0 | 2,033 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 530 | 0 | 0 | 0 | 534 |
| | | Background | 126 | 166 | 142 | 0 | 0 | 0 | 39 | 400 | 626 | 0 | 0 | 0 | 1,499 |
| | | Total | 55 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,396 | 69 | 2,573 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 662 | 0 | 662 |
| \vdash | | Background | 55 | 53 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 1,734 | 69 | 1,911 |
| 21 | Laurel Street / India Street | Total | 106 61 | 116 5 | 19 0 | 0 | 0 | 0 | 533 320 | 336 39 | 79 79 | 1 | 256 49 | 221 0 | 1,667 554 |
| 41 | Laurer Street / Illuid Street | Airport Background | 45 | 111 | 19 | 0 | 0 | 0 | 213 | 297 | 0 | 0 | 207 | 221 | 1,113 |
| \vdash | | Total | 0 | 0 | 0 | 243 | 2,453 | 697 | 0 | 68 | 60 | 139 | 113 | 0 | 3,773 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 408 | 57 | 0 | 28 | 28 | 0 | 57 | 0 | 578 |
| | Cassairas Carcer / Netalei Doulevalu | Background | 0 | 0 | 0 | 243 | 2,045 | 640 | 0 | 40 | 32 | 139 | 56 | 0 | 3,195 |
| | | Total | 209 | 848 | 10 | 0 | 0 | 0 | 133 | 28 | 58 | 0 | 40 | 26 | 1,352 |
| 23 | Sassafras Street / India Street | Airport | 90 | 326 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 461 |
| | | Background | 119 | 522 | 10 | 0 | 0 | 0 | 88 | 28 | 58 | 0 | 40 | 26 | 891 |
| | | Total | 0 | 0 | 0 | 201 | 35 | 58 | 0 | 102 | 51 | 188 | 216 | 0 | 851 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 64 | 24 | 87 | 57 | 0 | 233 |
| | | Background | | 0 | 0 | 201 | 35 | 57 | 0 | 38 | 27 | 101 | 159 | 0 | 618 |
| | | Total | 44 | 5 | 99 | 31 | 7 | 22 | 29 | 0 | 314 | 391 | 165 | 54 | 1,161 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 16 | 0 | 67 | 0 | 0 | 0 | 1 | 0 | 63 | 129 | 0 | 0 | 276 |
| | | Background | 28 | 5 | 32 | 31 | 7 | 22 | 28 | 0 | 251 | 262 | 165 | 54 | 885 |
| | Washington Charl / Harris & Charl | Total | 0 | 323 | 134 | 388 | 470 | 0 | 531 | 248 | 202 | 0 | 0 | 0 | 2,296 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 100 | 30 | 1 | 109 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 260 |
| | | Background | 0 | 223 | 104 | 387 | 361 | 0 | 531 | 248 | 182 | 0 | 0 | 0 | 2,036 |
| 27 | Washington Street / San Diago Assessed | Total | 128 | 708 | 0 | 0 | 702 | 693 | 0 | 0 | 0 | 202 | 225 | 9 | 2,667 |
| 27 | Washington Street / San Diego Avenue | Airport | 30 | 71 637 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 20 182 | 225 | 1 | 213 |
| | | Background Total | 98 209 | 637 156 | 234 | 100 | 611 148 | 693 62 | 0 65 | 0 186 | 152 | 348 | 225 169 | - 8 - 98 | 2,454 1,927 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 11 | 0 | 4 | 1 | 1 | 2 | 0 | 14 | 2 | 96 | 38 |
| _~ | 1.0000.a.io 0.000.7 i dollo i ligilway | Background | _ | 153 | 223 | 100 | 144 | 61 | 64 | 184 | 152 | 334 | 167 | 98 | 1,889 |
| | | Total | 21 | 146 | 117 | 9 | 124 | 10 | 121 | 524 | 23 | 143 | 554 | 35 | 1,827 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 92 | 110 | 0 | 114 | 0 | 0 | 0 | 0 | 137 | 0 | 0 | 453 |
| L | | Background | | 54 | 7 | 9 | 10 | 10 | 121 | 524 | 23 | 6 | 554 | 35 | 1,374 |
| Source: HNTE | 3 2007 | | | | | | _ | | _ | | | | | | |

Table D-107 2025 Intersection Turning Volumes – PM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| North Harbor Drive / Nebro Island Drive Florate Floration | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
|--|--------------|---|------------|-----|-------|-----|------------|-------|-----|-------|-------|-----|-----|-------|-----|-------|
| North Harbor Drive / Micros Agent 0 0 0 0 0 0 0 0 0 | IIII # | | Total | | | | | | | | | | | | | |
| Recognization Color April Color Color April Color Color April Color Color April Color Colo | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| Numb Numb Numb Numb Numb Numb Numb Numb | • | THORAT HARDON BITTO / THIRTIE BITTO | | | | | | | | | | | | | | |
| North Harbor Dine / McChan St. Aspect 0 0 0 0 130 0 130 2 222 0 0 0 488 128 729 | | | | | | | | | | | | | | | | |
| Reservence | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbot Drive Sparial Landring Texast 7 0 22 24 0 119 76 2014 77 7 1, 1271 0 0 2015 | | | | | | | | _ | | _ | | | | | | |
| Recignor 7, 0, 2, 50 | | | | | | | | | | | | | | | | |
| North Harbor Drive Harbor Island Drive February | 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 119 | 76 | 255 | 0 | 0 | 257 | 0 | 731 |
| North Harbor Driver Harbor Island Drive Resignant 13 3 68 21 6 62 43 215 21 85 63 60 60 10 1177 | | | Background | 7 | 0 | 25 | | 0 | 0 | 0 | 1,759 | 27 | 7 | 1,080 | 0 | 2,905 |
| Background Sect 0 248 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| North Harbor Drive Wriship Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Nathor Drive Winship Lane Resignation 0 0 0 394 0 1105 142 151 0 0 599 150 1 | | | | | | | | | | | | | | | | |
| Biodeground 0 | _ | | | | | | | | | | | | | | | |
| Fig. | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| Application Sheet Pacific Highway Background Application App | | | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | 6 | North Harbor Drive / Bontal Car Boad | | | | | | | | | | | | | _ | |
| Sheraton / Harbor Island Drive | U | Notti i la boi brive / Rental Cal Road | | | | | | | | | | | | | | |
| Sheatant Narior Island Drive Pupport 0 73 0 0 88 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 33 369 0 0 0 505 70 77 27 2 2 5 0 0 0 1,075 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Begingtone Lot / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Sassafras Sibeet / Pacific Highway | | | | | | | | | | | 107 | | | 139 | | |
| 9 Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 21 | 0 | 0 | 18 | 1 | 163 |
| Sassafras Street / Pacific Highway Airport 54 108 0 0 97 11 17 234 117 0 152 0 830 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 121 | 0 | 207 |
| Beadground 0 994 | | | Total | 84 | 1,102 | 448 | 151 | 1,159 | 11 | 17 | 234 | 117 | 219 | 152 | 58 | 3,752 |
| Column C | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Alignor 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Beacground 0 0 0 0 0 45 0 0 7 701 1,205 0 0 1,097 121 3,176 | 4.0 | 1 1 Ot 1 (N - 11 - 11 - 12 - 12 - 12 - 12 - 12 - 1 | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Arport 0 0 0 0 0 0 0 0 0 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | - | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 228 0 0 944 0 0 0 0 16 0 649 1,837 | | | | | | | | | | | | | | | | |
| Beckground 0 | 14 | Houthorn Street / North Horber Drive | | | | | | | | | | | | | | |
| Total | 17 | nawmom Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 228 17 630 330 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Declaration Background Declaration De | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 160 884 221 171 801 460 355 771 36 54 881 75 4,575 86 481 75 4,575 86 481 75 4,575 871 | 12 | Grape Greet/ North Harbor Brive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 60 812 210 161 506 350 243 227 36 48 458 68 3,279 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | , | | | | | | | | | | | | | 68 | |
| Background So 789 O O 721 63 O O 191 823 107 2,744 | | | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | Airport | 118 | 76 | 0 | 0 | 85 | 16 | 0 | 0 | 0 | 0 | 531 | 7 | 833 |
| Airport O 177 O 1 84 O 17 500 40 O O O 0 900 | | | Background | 50 | 789 | | | 721 | 63 | 0 | 0 | | 191 | 823 | 107 | 2,744 |
| Background O 687 574 341 695 O 5 59 1,546 O 0 O 0 O 3,902 | | | | | | | | | | | | | | | | |
| Laurel Street / Kethrer Boulevard Airport 0 0 0 455 956 858 0 973 74 63 323 0 3,702 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Airport 0 | | | | | | | | | | | | | | | | |
| Background 0 | 40 | Laural Street / Kattaar Paulayard | | | | | | | | | | | | | | |
| Total | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Alriport 0 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 17 | Hauthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Nettrier Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 11 1 0 0 572 19 0 0 0 0 603 | | | | | | | | | | | | | | | | |
| Background O O O 298 656 O O 3,055 90 O O O O 4,099 | 18 | Grane Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 190 363 355 0 0 0 24 499 2.115 0 0 0 0 3.548 | | Grapo Gracett Hotalor Boalevara | | | | | | | | | | | | | | |
| Simple Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | | | |
| Background 190 363 355 0 0 0 24 495 1,536 0 0 0 0 2,963 1,666 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport December | | | | 190 | 363 | 355 | 0 | 0 | 0 | 24 | 495 | | 0 | 0 | 0 | 2,963 |
| Background 45 70 0 0 0 0 0 0 0 0 | | | Total | 45 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,498 | 53 | 1,666 |
| Total 129 309 89 0 0 0 719 485 85 0 317 304 2.437 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 535 | 0 | 535 |
| Airport Background Airport Background Background Stock | | | | | | | | | | | | | | | | |
| Background 45 298 88 0 0 0 372 439 0 0 276 304 1,822 | | | | | | | | | | | | | | | | |
| Total | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 0 329 52 0 80 81 0 52 0 594 | | | | | | | | | | | | | | | | |
| Background O O O 400 3.219 484 O 195 53 98 62 O 4.511 | 20 | Sanaafraa Stroot / Kathaaa Basslassad | | | | | | | | | | | | | | |
| Total 193 1,362 29 0 0 0 361 70 127 0 17 21 2,180 | 22 | Sassairas Sireet / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street India Street Airport 76 358 0 0 0 0 0 116 0 0 0 0 0 559 | | | | | | | | | | | | | | | | |
| Background | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Total | 20 | Sassanas Greet/ maia Greet | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 1 0 60 22 71 101 0 255 Background 0 0 0 529 53 11 0 206 43 182 43 0 1,913 Washington Street / Pacific Highway NB-Ramps (1) Background 11 12 147 69 66 8 69 17 760 421 238 67 1,913 Airport 28 0 81 0 0 0 1 0 59 144 0 0 0 313 Background 11 12 66 69 66 8 68 169 17 760 421 238 67 1,913 Washington Street / Hancock Street Background 11 12 26 66 69 66 8 68 168 17 701 277 238 67 1,600 Washington Street / Hancock Street Airport 0 112 28 1 110 0 0 0 334 0 0 0 0 3,439 Washington Street / San Diego Avenue Washington Street / San Diego Avenue Background 12 1 1,313 0 0 668 63 0 0 0 0 0 181 285 350 148 3,247 Airport 0 112 28 1 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | 65 | | | | |
| Background O O O 529 53 11 O 206 43 182 43 O 1,067 | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | 1 | | | | | | | |
| Total 39 12 147 69 66 8 69 17 760 421 238 67 1,913 | |] | | | | | | | 11 | | | | | | | |
| Airport 28 O 81 O O O 1 O 59 144 O O O 313 | | | | | | | | | | | | | | | _ | |
| Background | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Total 0 775 193 415 482 0 833 498 243 0 0 0 0 3,439 | | | | 11 | 12 | 66 | | | 8 | 68 | | 701 | 277 | 238 | 67 | 1,600 |
| Background O 663 165 414 372 O 833 498 209 O O O 0 3,154 | | | Total | | | | 415 | | | | | | | | | |
| Total 239 1,397 0 0 744 633 0 0 0 222 305 19 3,559 Airport 28 84 0 0 76 0 0 0 0 187 305 11 224 28 Rosecrans Street / Pacific Highway Rosecrans Street / Pacific Highway Packground 368 302 670 122 142 69 120 490 181 285 350 148 3,247 Airport 0 4 13 0 3 1 1 2 0 12 2 0 38 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 RosecransStreet / Nimitz Boulevard RosecransStreet / Nimitz Boulevard Total 23 249 144 7 100 7 272 665 27 189 569 46 2,298 RosecransStreet / Nimitz Boulevard RosecransStreet / RosecransStreet / Nimitz Boulevard | 26 | Washington Street / Hancock Street | | | | | 1 | | | | | | | | | |
| Airport 28 | | | | | | | | | | | | | | _ | | |
| Background 211 1,313 0 0 668 633 0 0 187 305 18 3,335 28 Rosecrans Street / Pacific Highway Airport 0 4 13 0 3 1 1 2 0 12 2 0 38 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 Total 23 249 144 7 100 7 272 665 27 189 569 46 2,298 29 RosecransStreet / Nimitz Boulevard Airport 0 99 119 0 92 0 0 0 0 111 0 0 421 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Total 368 302 670 122 142 69 120 490 181 285 350 148 3,247 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 13 0 3 1 1 2 0 12 2 0 38 Background 368 298 657 122 139 668 119 488 181 273 348 148 3,209 Total 23 249 144 7 100 7 272 665 27 189 569 46 2,298 RosecransStreet / Nimitz Boulevard Airport 0 99 119 0 92 0 0 0 0 0 111 0 0 421 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Background 368 298 657 122 139 68 119 488 181 273 348 148 3.209 Total 23 249 144 7 100 7 272 665 27 189 569 46 2.298 RosecransStreet / Nimitz Boulevard Airport 0 99 119 0 92 0 0 0 0 0 0 111 0 0 421 Background 23 150 25 7 8 7 272 665 27 78 569 46 1.877 | 20 | December Character December 112-112-112-112-112-112-112-112-112-112 | | | | | | | 69 | 120 | 490 | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Total 23 249 144 7 100 7 272 665 27 189 569 46 2.298 Airport 0 99 119 0 92 0 0 0 0 111 0 0 421 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 28 | Rosecrans Street / Pacific Highway | | | | | | | 1 | 1 110 | 2 | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 99 119 0 92 0 0 0 0 111 0 0 421 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| | | 1.0000 and 0.0007 Hilling Doulevald | Background | | | | | | | | | | | | | |
| | Source: LINT | B 2007 | Daonground | | .50 | | · <u> </u> | | | | 555 | | | 555 | | .,511 |

Table D-108 2030 Intersection Turning Volumes – AM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| North Narbor Chee / Nexts Bland Figs March Sept | 104.44 | | | L NIDI | NDT | NDD | OD! | ODT | 000 | - FD: | FDT | FDD | WDI | WDT | WDD | T |
|--|--------------|---|------------|--------|-----|-----|-------|-----|-----|-----------|------------|------------|-----|-------|------------|----------------|
| North Harbor Driver / Michael September 1,000 1, | Int# | | Total | NBL | NBT | NBR | SBL | SBT | SBR | EBL 16 | EBT 610 | EBR | WBL | WBT | WBR 502 | Total 2 057 |
| North Harbor Drive / McCain St. | 1 | North Harbor Drive / Nimitz Rlvd | | | | | | | | | | | | | | |
| Nurth Harbor Driver McClam St. Appendix ' | NOTH HAIDOLD (IVE / MITHIZ DIVU | | | | | | | | | | | | | | |
| 2 North Harbor Diner / North Harbor Diner / Sparish Landing Register 1 | | | | | | | | | | | | | | | | |
| Resignation | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Driver Spanish Landring | ' | NOTET HAIDS DIVE / NICOAIII St | | _ | | | | | _ | | | | | | | |
| Ampton | | | | | | | | | | | | | | | | |
| Bestground S. O. 18 O. O. 0. 0. 0. 0. 0. 0. | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Morth Harbor Drive / Harbor Island Drive Arbord Arb | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Herbor Drove Herbor Island Drove Responsible R | | | | | | | | | | | | | | | | |
| Seadground 33 | | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Narhor Drive / Wirning Lane | - | Notth Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Nathor Drive Weshington Street North Harbor Chine Amport O | | | | | | | | | | | | | | | | |
| Section | _ | North Harber Drive / Winship Lane | | | | | | | | | | | | | | |
| North Narthor Driver / Rental Car Road Total 1 0 00 44 0 22 31 22/14 105 157 132 135 32/17 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 83 3,527 1457 14 | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | |
| North Habor Drive / Rental Car Road Amptort 31 0 00 44 0 22 31 1287 105 157 1497 163 3227 75 1497 1497 153 3227 75 1497 | | | | | | | | | | | | | | | | |
| Selegional O | _ | Newth Herber Drive / Bantal Car Book | | _ | | | | | | | | | | | | |
| Total | 0 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheatan/ Harbor Island Drive | | | | | | | | | | | | | | | | |
| Beadground 33 62 0 0 179 69 65 6 27 0 0 0 0 471 1885 | | Charatan / Hashar Jaland Drive | | | | | | | | | | | | | | |
| Beginplayee Lot / Harbor Island Drive | ′ | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendergound O | | | | | | - | | | | | | | | | | |
| Sessefras Street / Pacific Highway | | Foods and Allert and Delay | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway Amport 96 849 66 89 561 144 7 93 67 135 187 35 173 170 170 170 170 170 170 170 170 170 170 | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Sireet / Pacific Highway | | | | | | | | | | | | | | | | |
| Beadground | | | | | | | | | | | | | | | | |
| Description Laurel Street / North Harbor Drive Amport 0 0 0 0 0 0 0 0 0 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Beckground 0 0 0 177 0 3 21 469 0 0 1283 48 1821 | ا یا | Laurel Olivert (N. W. V. S. | I otal | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Arpport 0 294 0 0 0 1378 0 0 0 0 1338 0 2,889 4720 | 10 | Laurel Street / North Harbor Drive | Airport | _ | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 2944 0 0 0 15 0 0 0 0 17 0 839 2,085 | | | | | | | | | _ | | | | | | | |
| Beskground 0 76 0 0 483 0 0 0 0 0 118 0 2,000 2,650 | | | | | | | | | | | | | | | | |
| Total Carpe Street / North Harbor Drive Airport Carpe Street / North Harbor Drive Airport Carpe Street / Restrict Highway Airport Carpe St | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 294 15 618 314 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 9 66 412 282 0 0 0 0 0 0 0 0 0 | | | Total | 0 | | 111 | 1,030 | 596 | 0 | | 0 | | | 0 | | 2,040 |
| Total 42 410 124 72 257 344 114 528 1 82 988 102 3,074 | 12 | Grape Street / North Harbor Drive | Airport | 0 | 294 | 15 | 618 | 314 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,241 |
| 13 | | | Background | 0 | 9 | 96 | 412 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 799 |
| Background 42 333 104 66 203 224 9 157 1 79 554 94 1,868 130 394 140 | | | Total | 42 | 410 | 124 | 72 | 257 | 344 | 114 | 528 | 1 | 82 | 998 | 102 | 3,074 |
| Background 42 333 104 66 203 224 9 157 1 79 554 94 1,866 130 394 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 140 1,866 | 13 | Laurel Street / Pacific Highway | Airport | 0 | 77 | 20 | 6 | 54 | 120 | 105 | 371 | 0 | 3 | 444 | 8 | 1,208 |
| Hawthorn Street / Pacific Highway Airport 152 84 0 0 40 17 0 0 0 0 686 13 992 | | | Background | 42 | 333 | 104 | 66 | 203 | 224 | 9 | 157 | 1 | 79 | 554 | 94 | 1,866 |
| Hawthorn Street / Pacific Highway Airport 152 84 0 0 40 17 0 0 0 0 688 13 992 | | | Total | 152 | 274 | 0 | 0 | 207 | 74 | 0 | 0 | 0 | 376 | 2,665 | 136 | 3,884 |
| Total | 14 | Hawthorn Street / Pacific Highway | Airport | 152 | 84 | 0 | 0 | 40 | 17 | 0 | 0 | 0 | 0 | 686 | 13 | 992 |
| Airport Airp | | | Background | 0 | 190 | 0 | 0 | 167 | 57 | 0 | 0 | 0 | 376 | 1,979 | 123 | 2,892 |
| Background O | | | Total | 0 | 694 | 184 | 177 | 991 | 0 | 99 | 1,141 | 48 | 0 | 0 | 0 | 3,334 |
| Laurel Street / Kettner Boulevard Airport 0 0 0 352 469 698 0 928 75 65 376 0 2.963 | 15 | Grape Street / Pacific Highway | Airport | 0 | 221 | 0 | 0 | 39 | 0 | 15 | 571 | 48 | 0 | 0 | 0 | 894 |
| Laurel Street / Kethner Boulevard Airport 0 0 0 352 469 698 0 928 75 65 376 0 2,963 | | | | 0 | 473 | 184 | 177 | | 0 | | | 0 | | 0 | 0 | 2,440 |
| Background 0 0 0 34 469 356 0 532 75 58 263 0 2.093 | | | | 0 | 0 | 0 | 352 | 469 | 698 | 0 | 928 | 75 | 65 | 376 | 0 | 2,963 |
| Hawthorn Street / Kettner Boulevard | 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 12 | 0 | 342 | 0 | 396 | 0 | 7 | 113 | 0 | 870 |
| Hawthorn Street / Kettner Boulevard | | | Background | 0 | 0 | 0 | 340 | 469 | 356 | 0 | 532 | 75 | 58 | 263 | 0 | 2,093 |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 7 0 0 0 0 0 | | | | 0 | 0 | 0 | | 253 | | 0 | | | 216 | | 0 | 4,070 |
| Background | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 699 | 0 | 706 |
| Total | | | | 0 | 0 | 0 | 0 | 246 | 131 | 0 | 0 | 0 | 216 | 2,771 | 0 | 3,364 |
| 18 | | | | 0 | 0 | 0 | 138 | 673 | 0 | 0 | 1,691 | 120 | 0 | 0 | 0 | 2,622 |
| Background O O O 0 132 672 O O 0 1,136 103 O O O 0 2,043 | 18 | Grape Street / Kettner Boulevard | | | | 0 | | | 0 | | | | | | | |
| Total 206 272 233 0 0 0 44 487 1,266 0 0 0 0 2,478 | | | | | | | | 672 | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 44 453 709 0 0 0 0 0 1917 | | | | | | | | | | | | | | | | |
| Background 206 272 233 0 0 0 0 44 453 709 0 0 0 0 0 1,917 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | | | |
| Airport December Airport December | | | | | | | | | | | | | | | | |
| Background 62 59 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Total 105 98 16 0 0 0 616 517 91 1 341 310 2,095 | _~ | | | | | - | | | | | | | | | | |
| Airport 68 7 0 0 0 0 276 41 91 1 52 0 536 | | | | | | | | | | | | | | | | |
| Background Sackground Sac | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Total | -' | Zaarar araar mala arract | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background O O O 242 2,043 639 O 244 19 114 466 O 3,127 | 22 | Sassafras Street / Kettner Roulevard | | | | | | | | | | | | | | |
| Total 251 974 13 0 0 0 118 23 48 0 43 27 1,497 | 44 | Jassanas Jueet / Nettrei Dudievalu | | | | | | | | | | | | | | |
| Airport 94 283 0 0 0 0 46 0 0 0 0 0 423 | | | | | | | | | | | | | | | | |
| Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Total | 23 | oassairas otreet / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | — | | | | | | | | | | | | | | | |
| Background O O O Strip Str | 24 | Washington Street / Dasifie History CD Day | | | | | | | | | | | | | | |
| Total 19 0 70 24 6 17 23 0 277 318 111 36 901 | 24 | vvasningion Street / Pacific Highway SB-Ramps | | | | | | | _ | | | | _ | | | |
| Airport 19 | | | | | _ | | | | | | | | | | _ | |
| Background O O O C24 6 17 C22 O 202 176 111 36 594 | | Washington Observation 1975 | | | | | | | | | | | | | | |
| Total 0 260 106 311 407 0 208 97 95 0 0 0 0 1,484 | 25 | vvasnington Street / Pacific Highway NB-Ramps (1) | | | | | | | | | | | | | | |
| Airport O 110 36 1 118 O 0 0 24 0 0 0 289 | | | | | | | | | | | | | | | | |
| Background O 150 70 310 289 O 208 97 71 O O O 0 1,195 | | | | | | | | | | | | | | | | |
| Total 113 584 0 0 682 665 0 0 0 277 313 12 2,646 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Airport 35 74 0 0 96 0 0 0 24 0 1 230 | | | | _ | | | | | _ | | | | | | | |
| Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2,416 Total 207 155 230 144 209 88 61 176 143 312 154 88 1,967 Airport 0 3 10 0 3 1 1 1 3 0 12 4 0 37 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 20 156 178 39 167 41 107 461 20 216 514 32 1,951 RosecransStreet / Nimitz Boulevard 4 1 107 461 20 5 5 154 32 1,339 | | | | | | | | | | | _ | | | | | |
| Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2,416 Total 207 155 230 144 209 88 61 176 143 312 154 88 1,967 Airport 0 3 10 0 3 1 1 1 3 0 12 4 0 37 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 20 156 178 39 167 41 107 461 20 216 514 32 1,951 RosecransStreet / Nimitz Boulevard 4 1 107 461 20 5 5 154 32 1,339 | 27 | Washington Street / San Diego Avenue | | | | | | | _ | | | | | | | |
| Airport O 3 10 O 3 1 1 3 O 12 4 O 37 | | | | | | | | | | | | | | | | |
| Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 20 156 178 39 167 41 107 461 20 216 514 32 1,951 RosecransStreet / Nimitz Boulevard | | | | 207 | 155 | 230 | 144 | 209 | 88 | 61 | 176 | 143 | 312 | 154 | 88 | 1,967 |
| 29 RosecransStreet / Nimitz Boulevard Total 20 156 178 39 167 41 107 461 20 216 514 32 1.951 Airport 0 103 171 0 127 0 0 0 0 211 0 0 612 Background 20 53 7 39 40 41 107 461 20 5 514 32 1.339 | 28 | Rosecrans Street / Pacific Highway | Airport | 0 | | | | | 1 | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Factor 1 | | | | | | | | | | | | | | | | |
| Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | | 20 | | | | | | | 461 | | | | | |
| Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | 29 | RosecransStreet / Nimitz Boulevard | Airport | | | 171 | | | | | | | | | | |
| | L | | Background | 20 | 53 | 7 | 39 | 40 | 41 | 107 | 461 | 20 | 5 | 514 | 32 | 1,339 |
| | Source: HNTF | 3, 2007 | - | | | | | | | | | | | | | |

Table D-109 2030 Intersection Turning Volumes – PM Peak Hour – Airport Implementation Plan Alternative (Without Parking Structure)

| Int# | | 1 | No | NET | NDD | en. | er- | epp. | ED! | EDT | EDD 1 | WDI | WDT | WED | Total |
|--------------|--|---------------------|-----------------|-----------------|-----------|----------------|--------------|---------------|---------------|----------------|--------------|-----------|----------------|------------------|----------------|
| IIIL# | | Total | NBL 0 | NBT 0 | NBR 0 | SBL 686 | SBT 0 | SBR 75 | EBL 52 | EBT 807 | EBR 0 | WBL 23 | 934 | WBR 1,239 | 3,816 |
| 1 | North Harbor Drive / Nimitz Blvd | Airport | 0 | 0 | 0 | 275 | 0 | 0 | 0 | 40 | 0 | 0 | 45 | 295 | 655 |
| | | Background | 0 | 0 | 0 | 411 | 0 | 75 | 52 | 767 | 0 | 23 | 889 | 944 | 3,161 |
| | | Total | 0 | 0 | 0 | 580 | 0 | 219 | 46 | 1,265 | 0 | 0 | 1,295 | 203 | 3,608 |
| 2 | North Harbor Drive / McCain St | Airport | 0 | 0 | 0 | 99 | 0 | 16 | 10 | 304 | 0 | 0 | 324 | 131 | 884 |
| | | Background | 0 | 0 | 0 | 481 | 0 | 203 | 36 | 961 | 0 | 0 | 971 | 72 | 2,724 |
| | | Total | 7 | 0 | 25 | 24 | 0 | 145 | 103 | 2,195 | 28 | 7 | 1,417 | 0 | 3,951 |
| 3 | North Harbor Drive / Spanish Landing | Airport | 0 | 0 | 0 | 24 | 0 | 145 | 103 | 301 | 0 | 0 | 309 | 0 | 882 |
| | | Background | 7 | 0 | 25 | 0 | 0 | 0 | 0 | 1,894 | 28 | 7 | 1,108 | 0 | 3,069 |
| | | Total | 167 | 3 | 350 | 21 | 7 | 83 | 59 | 2,027 | 159 | 529 | 1,614 | 0 | 5,019 |
| 4 | North Harbor Drive / Harbor Island Drive | Airport | 15 | 3 | 56 | 21 | 7 | 83 | 59 | 242 | 24 | 60 | 650 | 0 | 1,220 |
| | | Background | 152 | 0 | 294 | 0 | 0 | 0 | 0 | 1,785 | 135 | 469 | 964 | 0 | 3,799 |
| - | North Harbar Drive / Winship Lane | Total | 0 | 0 | 0 | 375 | 0 | 124 | 160 | 2,238 | 0 | 0 | 2,270 | 0 | 5,167 |
| 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 375 0 | 0 | 124 0 | 160 | 159 2,079 | 0 | 0 | 837 | 0 | 1,655 3,512 |
| | | Background Total | 114 | 0 | 115 | 69 | 0 | 28 | 25 | 3,404 | 114 | 119 | 1,433 2,675 | 56 | 6,719 |
| 6 | North Harbor Drive / Rental Car Road | Airport | 114 | 0 | 115 | 69 | 0 | 28 | 25 | 1,325 | 114 | 119 | 1,242 | 56 | 3,207 |
| ŭ | Troiti Harbor Brito / Horitar Gar Hoad | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,079 | 0 | 0 | 1,433 | 0 | 3,512 |
| | | Total | 23 | 443 | 0 | 0 | 624 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,264 |
| 7 | Sheraton / Harbor Island Drive | Airport | 0 | 74 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 |
| | | Background | | 369 | 0 | 0 | 534 | 70 | 77 | 2 | 25 | 0 | 0 | 0 | 1,100 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 105 | 0 | 0 | 137 | 1 | 366 |
| 8 | Employee Lot / Harbor Island Drive | Airport | 0 | 0 | 0 | 0 | 0 | 55 | 68 | 22 | 0 | 0 | 19 | 1 | 165 |
| | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 118 | 0 | 201 |
| | | Total | 88 | 842 | 328 | 105 | 841 | 11 | 17 | 242 | 122 | 110 | 158 | 29 | 2,893 |
| 9 | Sassafras Street / Pacific Highway | Airport | 88 | 114 | 0 | 0 | 102 | 11 | 17 | 242 | 122 | 0 | 158 | 0 | 854 |
| | | Background | 0 | 728 | 328 | 105 | 739 | 0 | 0 | 0 | 0 | 110 | 0 | 29 | 2,039 |
| l | | Total | 0 | 0 | 0 | 49 | 0 | 7 | 1,250 | 2,237 | 0 | 0 | 2,060 | 126 | 5,729 |
| 10 | Laurel Street / North Harbor Drive | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 523 | 986 | 0 | 0 | 919 | 0 | 2,428 |
| L | | Background | 0 | 0 | 0 | 49 | 0 | 7 | 727 | 1,251 | 0 | 0 | 1,141 | 126 | 3,301 |
| l | Harding Object (1) | Total | 0 | 674 | 0 | 0 | 2,604 | 0 | 0 | 0 | 0 | 218 | 0 | 1,564 | 5,060 |
| 11 | Hawthorn Street / North Harbor Drive | Airport | 0 | 239 | 0 | 0 | 986 | 0 | 0 | 0 | 0 | 19 | 0 | 680 | 1,924 |
| \vdash | | Background | 0 | 435 | 0 | 1 272 | 1,618 | 0 | 0 | 0 | 0 | 199 | 0 | 884 | 3,136 |
| 12 | Grape Street / North Harbor Drive | Total Airport | 0 | 663 239 | 256 21 | 1,372 658 | 1,248 347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,539 1,265 |
| 12 | Grape Street / North Harbor Drive | Background | 0 | 424 | 235 | 714 | 901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,274 |
| | | Total | 135 | 760 | 190 | 123 | 456 | 359 | 381 | 656 | 40 | 93 | 1,205 | 130 | 4,528 |
| 13 | Laurel Street / Pacific Highway | Airport | 0 | 79 | 14 | 10 | 101 | 113 | 115 | 407 | 0 | 7 | 385 | 8 | 1,239 |
| | Eddior oddot / Fddiio Flighilay | Background | 135 | 681 | 176 | 113 | 355 | 246 | 266 | 249 | 40 | 86 | 820 | 122 | 3,289 |
| | | Total | 166 | 748 | 0 | 0 | 696 | 72 | 0 | 0 | 0 | 214 | 1,477 | 128 | 3,501 |
| 14 | Hawthorn Street / Pacific Highway | Airport | 124 | 84 | 0 | 0 | 89 | 19 | 0 | 0 | 0 | 0 | 556 | 9 | 881 |
| | | Background | 42 | 664 | 0 | 0 | 607 | 53 | 0 | 0 | 0 | 214 | 921 | 119 | 2,620 |
| | | Total | 0 | 800 | 512 | 290 | 678 | 0 | 84 | 2,272 | 42 | 0 | 0 | 0 | 4,678 |
| 15 | Grape Street / Pacific Highway | Airport | 0 | 187 | 0 | 1 | 88 | 0 | 21 | 616 | 42 | 0 | 0 | 0 | 955 |
| | | Background | 0 | 613 | 512 | 289 | 590 | 0 | 63 | 1,656 | 0 | 0 | 0 | 0 | 3,723 |
| | | Total | 0 | 0 | 0 | 420 | 877 | 769 | 0 | 1,333 | 133 | 96 | 458 | 0 | 4,086 |
| 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 9 | 0 | 277 | 0 | 432 | 0 | 14 | 123 | 0 | 855 |
| | | Background | 0 | 0 | 0 | 411 | 877 | 492 | 0 | 901 | 133 | 82 | 335 | 0 | 3,231 |
| 17 | Houthern Street / Kottner Baulayard | Total | 0 | 0 | 0 | 0 | 654 | 115 | 0 | 0 | 0 | 266 | 1,924 | 0 | 2,959 |
| 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 14 640 | 0 115 | 0 | 0 | 0 | 0 266 | 565 | 0 | 579 2,380 |
| | | Background Total | 0 | 0 | 0 | 335 | 710 | 0 | 0 | 3,811 | 113 | 0 | 1,359 | 0 | 4,969 |
| 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 13 | 1 | 0 | 0 | 598 | 19 | 0 | 0 | 0 | 631 |
| 10 | Grape Greet/ Retrief Boulevard | Background | | 0 | 0 | 322 | 709 | 0 | 0 | 3,213 | 94 | 0 | 0 | 0 | 4,338 |
| | | Total | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 564 | 2,345 | 0 | 0 | 0 | 4,420 |
| 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 607 | 0 | 0 | 0 | 611 |
| | γ() | Background | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 560 | 1,738 | 0 | 0 | 0 | 3,809 |
| | | Total | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,899 | 74 | 2,101 |
| 20 | Hawthorn Street / I-5 Northbound Off-Ramp | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 561 | 0 | 561 |
| L | | Background | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,338 | 74 | 1,540 |
| | | Total | 130 | 257 | 73 | 0 | 0 | 0 | 894 | 749 | 94 | 1 | 431 | 425 | 3,054 |
| 21 | Laurel Street / India Street | Airport | 93 | 14 | 1 | 0 | 0 | 0 | 298 | 48 | 94 | 1 | 44 | 0 | 593 |
| | | Background | 37 | 243 | 72 | 0 | 0 | 0 | 596 | 701 | 0 | 0 | 387 | 425 | 2,461 |
| | | Total | 0 | 0 | 0 | 399 | 3,502 | 539 | 0 | 200 | 117 | 80 | 107 | 0 | 4,944 |
| 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 286 | 55 | 0 | 84 | 85 | 0 | 56 | 0 | 566 |
| — | | Background | 0 | 0 | 0 | 399 | 3,216 | 484 | 0 | 116 | 32 | 80 | 51 | 0 | 4,378 |
| 22 | Connetron Ctrant / India Ctrant | Total | 234 | 1,640 | 39 | 0 | 0 | 0 | 321 | 57 | 104 | 0 | 18 | 22 | 2,435 |
| 23 | Sassafras Street / India Street | Airport | 79 155 | 311 | 0 39 | 0 | 0 | 0 | 120 201 | 0 57 | 0 104 | 0 | 0 1Ω | 0 | 510 |
| — | | Background Total | 155 0 | 1,329 | 0 | 1,347 | 0 134 | 28 | 201 | 57 286 | 104 72 | 220 | 18 155 | 22 0 | 1,925 2,242 |
| 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 | 27 | 74 | 121 | 0 | 293 |
| | gton occorr como riigninay ob reamps | Background | | 0 | 0 | 1,347 | 134 | 27 | 0 | 216 | 45 | 146 | 34 | 0 | 1,949 |
| — | | Total | 33 | 0 | 84 | 52 | 51 | 6 | 56 | 14 | 635 | 348 | 160 | 45 | 1,484 |
| 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 33 | 0 | 84 | 0 | 0 | 0 | 1 | 0 | 70 | 162 | 0 | 0 | 350 |
| | gton en eet i denie riigiiway ND (taliips (1) | Background | 0 | 0 | 0 | 52 | 51 | 6 | 55 | 14 | 565 | 186 | 160 | 45 | 1,134 |
| | | Total | 0 | 567 | 144 | 333 | 420 | 0 | 326 | 194 | 122 | 0 | 0 | 0 | 2,106 |
| 26 | Washington Street / Hancock Street | Airport | 0 | 121 | 33 | 1 | 121 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 317 |
| | · | Background | 0 | 446 | 111 | 332 | 299 | 0 | 326 | 194 | 81 | 0 | 0 | 0 | 1,789 |
| | | Total | 202 | 1,141 | 0 | 0 | 721 | 607 | 0 | 0 | 0 | 300 | 423 | 28 | 3,422 |
| 27 | Washington Street / San Diego Avenue | Airport | 33 | 88 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 41 | 0 | 2 | 244 |
| L | | Background | 169 | 1,053 | 0 | 0 | 641 | 607 | 0 | 0 | 0 | 259 | 423 | 26 | 3,178 |
| | | Total | 364 | 297 | 661 | 174 | 201 | 98 | 113 | 464 | 171 | 257 | 315 | 133 | 3,248 |
| 28 | Rosecrans Street / Pacific Highway | Airport | 0 | 3 | 12 | 0 | 3 | 1 | 1 | 4 | 0 | 11 | 3 | 0 | 38 |
| | | Background | | 294 | 649 | 174 | 198 | 97 | 112 | 460 | 171 | 246 | 312 | 133 | 3,210 |
| 0.0 | D | Total | 23 | 257 | 209 | 31 | 138 | 31 | 239 | 586 | 24 | 243 | 528 | 43 | 2,352 |
| 29 | RosecransStreet / Nimitz Boulevard | Airport | 0 | 111 | 184 | 0 | 103 | 0 | 0 | 0 | 0 | 171 | 0 | 0 | 569 |
| | | Background | 23 | 146 | 25 | 31 | 35 | 31 | 239 | 586 | 24 | 72 | 528 | 43 | 1,783 |
| Source: HNTE | 3. 2007 | | | | | | | | | | | | | | |

Table D-110
2010-2030 Peak Hour Intersection Operations – Airport Implementation Plan Alternative
(Without Parking Structure)

| | | | | 2010 | | 2015 | | 2020 | | 2025 | | 2030 |
|------------------------|--------------------------------------|--------------|-----------------|--------|-----------------|--------|----------------|------|----------------|--------|-----------------|--------|
| Intersection Number | Intersection | Peak Hour | Delay (Sec.) | LOS | Delay (Sec.) | LOS | Delay (SEC) | LOS | Delay (SEC) | LOS | Delay (Sec.) | LOS |
| 1 | North Harbor Drive/ | AM | 20.3 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.8 | С |
| | Nimitz Boulevard | PM | 20.6 | С | 20.3 | С | 20.9 | С | 21.1 | С | 21.7 | С |
| 2 | North Harbor Drive/ | AM | 6.8 | Α | 7.4 | Α | 7.7 | Α | 7.8 | Α | 7.9 | Α |
| | McCain Road | PM | 9.2 | Α | 10.0 | Α | 10.4 | В | 10.5 | В | 10.5 | В |
| 3 | North Harbor Drive/ | AM | 9.3 | Α | 10.0 | Α | 10.2 | В | 10.6 | В | 12.3 | В |
| - | Spanish Landing | PM | 7.9 | Α | 8.5 | Α | 8.9 | Α | 9.1 | Α | 10.4 | В |
| 4 | North Harbor Drive/ | AM | 18.0 | В | 17.7 | В | 18.1 | В | 18.0 | В | 18.6 | В |
| | Harbor Island Drive | PM | 30.4 | С | 30.8 | С | 32.1 | С | 32.7 | С | 34.2 | С |
| 5 | North Harbor Drive/ | AM | 17.0 | В | 18.1 | В | 18.6 | В | 19.1 | В | 19.4 | В |
| - | Winship Lane | PM | 14.0 | В | 15.0 | В | 15.3 | В | 15.9 | В | 15.9 | В |
| 6 | North Harbor Drive/ | AM | 7.3 | А | 8.2 | Α | 9.2 | Ā | 10.1 | В | 10.7 | В |
| ŭ | Rental Car Road | PM | 8.4 | Α | 9.3 | Α | 10.1 | В | 10.8 | В | 11.4 | В |
| 7 | Sheraton | AM | 12.4 | В | 12.3 | В | 12.0 | В | 11.7 | В | 11.6 | В |
| | Harbor Island Drive | PM | 7.6 | A | 7.4 | A | 7.2 | A | 7.0 | A | 6.9 | A |
| 8 | Employee Lot | AM | 9.8 | A | 9.9 | A | 9.9 | A | 9.9 | A | 9.9 | A |
| ŭ | Harbor Island Drive | PM | 10.1 | В | 10.1 | В | 10.2 | В | 10.2 | В | 10.2 | В |
| 9 | Sassafras Street/ | AM | 15.3 | В | 15.5 | В | 15.2 | В | 15.7 | В | 14.2 | В |
| 9 | Pacific Highway | PM | 15.1 | В | 17.5 | В | 17.3 | В | 20.0 | В | 14.8 | В |
| 10 | Laurel Street/ | AM | 9.1 | A | 10.0 | A | 10.7 | В | 11.4 | В | 10.8 | В |
| 10 | North Harbor Drive | PM | 15.4 | В | 16.1 | В | 18.5 | В | 19.5 | В | 20.1 | C |
| 11 | Hawthorn Street/ | AM | 30.7 | C | 47.3 | D | 110.5 | F | 132.4 | F | 179.2 | F |
| ''' | North Harbor Drive | PM | 23.0 | C | 24.9 | C | 33.0 | C | 41.0 | D | 60.0 | Ë |
| 12 | Grape Street/ | AM | 8.2 | A | 8.4 | A | 8.4 | A | 8.4 | A | 8.5 | A |
| 12 | · · | PM | 10.9 | В | 11.0 | В | 10.7 | В | 11.0 | В | 11.0 | В |
| 40 | North Harbor Drive Laurel Street/ | AM | 32.1 | С | 33.7 | С | 33.9 | C | 34.5 | C | 33.9 | С |
| 13 | Pacific Highway | PM | 48.9 | D | 62.1 | E | 59.3 | E | 53.4 | D | 61.7 | E |
| 14 | Hawthorn Street/ | AM | 12.5 | В | 14.1 | B | 15.7 | B | 17.7 | В | 19.3 | В |
| 14 | | PM | 20.9 | C | 21.9 | C | 22.8 | | 23.8 | C | 23.4 | C |
| 45 | Pacific Highway | AM | 18.5 | В | 19.1 | В | 19.9 | С | 20.4 | C | 20.3 | C |
| 15 | Grape Street/ | | | | | | | В | | | | |
| 40 | Pacific Highway Laurel Street/ | PM AM | 26.1 18.8 | C B | 32.7 19.5 | C B | 53.3 19.6 | D | 69.4 19.8 | E B | 58.2 22.0 | E E |
| 16 | | | | C | | | | В | | C | | E |
| | Kettner Boulevard | PM | 21.2 | | 22.8 | C | 25.6 | С | 24.6 | | 32.2 | E |
| 17 | Hawthorn Street/ | AM | 5.5 | A | 6.2 | A | 10.3 | В | 9.6 | A | 13.4 | |
| | Kettner Boulevard | PM | 10.9 | В | 11.2 | В | 15.5 | В | 13.8 | В | 14.2 | E |
| 18 | Grape Street/ | AM | 12.4 | В | 13.1 | В | 14.8 | В | 14.2 | В | 14.7 | E |
| | Kettner Boulevard | PM | 16.6 | В | 22.7 | С | 55.3 | E | 54.9 | D | 79.6 | E |
| 19 | Grape Street/ | AM | 11.1 | В | 10.8 | В | 11.5 | В | 13.7 | В | 15.3 | E |
| | I-5 Southbound On-Ramp | PM | 27.9 | С | 34.5 | С | 32.5 | С | 38.7 | D | 89.1 | E |
| 20 | Hawthorn Street/ | AM | 11.0 | В | 10.6 | В | 10.8 | В | 11.0 | В | 15.8 | E |
| | I-5 Northbound Off-Ramp | PM | 11.8 | В | 12.0 | В | 12.1 | В | 11.5 | В | 11.1 | E |
| 21 | Laurel Street/ | AM | 18.4 | В | 19.3 | В | 19.2 | В | 22.8 | С | 23.1 | E |
| | India Street | PM | 21.3 | С | 22.9 | С | 22.0 | С | 22.4 | С | 32.3 | E |
| 22 | Sassafras Street/ | AM | 8.7 | Α | 9.6 | Α | 19.3 | В | 12.0 | В | 9.8 | Α |
| | Kettner Boulevard | PM | 11.7 | В | 13.2 | В | 123.1 | F | 84.8 | F | 66.7 | E |
| 23 | Sassafras Street/ | AM | 8.3 | Α | 8.4 | Α | 8.8 | Α | 9.1 | Α | 8.1 | E |
| | India Street | PM | 13.8 | В | 17.9 | В | 15.7 | В | 16.2 | В | 17.7 | E |
| 24 | Washington Street/ | AM | 12.6 | В | 12.7 | В | 13.0 | В | 12.8 | В | 12.5 | E |
| | Pacific Highway SB-Ramps | PM | 14.9 | В | 15.1 | В | 15.3 | В | 15.5 | В | 17.6 | E |
| 25 | Washington Street/ | AM | 33.5 | С | 46.7 | D | 56.3 | E | 60.5 | E | 31.6 | E |
| | Pacific Highway NB-Ramps | PM | 68.5 | E | 100.5 | F | 130.5 | F | 156.7 | F | 79.8 | E |
| 26 | Washington Street/ | AM | 27.8 | С | 28.1 | С | 28.7 | С | 28.8 | С | 25.9 | E |
| | Hancock Street | PM | 30.2 | С | 30.8 | С | 32.4 | С | 32.7 | С | 28.0 | E |
| 27 | Washington Street/ | AM | 12.5 | В | 13.1 | В | 12.7 | В | 12.5 | В | 14.9 | Е |
| | San Diego Avenue | PM | 13.6 | В | 14.1 | В | 14.1 | В | 14.0 | В | 16.8 | E |
| 28 | Rosecrans Street/ | AM | 36.1 | D | 36.4 | D | 36.1 | D | 36.2 | D | 37.3 | Е |
| - | Pacific Highway | PM | 39.1 | D | 44.8 | D | 41.3 | D | 41.9 | D | 43.0 | E |
| 29 | RosecransStreet/ | AM | 21.7 | C | 21.6 | c | 24.2 | C | 23.7 | C | 27.0 | E |
| | Nimitz Boulevard | PM | 24.9 | Č | 25.1 | č | 26.6 | č | 26.5 | Č | | Ē |

LOS = level of service

Table D-111 compares the intersection delay under the Implementation Plan Alternative (Without Parking Structure) against the No Project Alternative to identify intersection impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in vehicle delay of greater than 2 seconds for intersections operating at LOS E and greater than 1 second for intersections operating at LOS F under the No Project Alternative. The following intersections would have potentially significant traffic impacts due to the project:

Intersections with Significant Traffic Impacts Years 2010 and 2015

No potentially significant impacts, per the City of San Diego's guidelines, are anticipated to occur to intersections in the Study Area in 2010 and 2015.

Year 2020

 Sassafras Street and Kettner Boulevard (PM), which operates at LOS E in the PM peak hour under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 1 second under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.

Year 2025

All locations identified in Year 2020

- All locations identified in Year 2025
- Hawthorn Street and North Harbor Drive (AM & PM), which operates at LOS F in the AM and LOS F in the PM peak hours under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Grape Street and Kettner Boulevard (PM), which operates at LOS E in the PM peak hour under both the Implementation Plan Alternative (without Parking Structure) and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Implementation Plan Alternative (without Parking Structure) compared to the No Project Alternative.
- Grape Street and I-5 Southbound On-Ramp (PM), which operates at F in the PM peak hours
 under both the Implementation Plan Alternative (without Parking Structure) and No Project
 Alternative and would experience an increase in delay greater than 1 second under the
 Implementation Plan Alternative (without Parking Structure) compared to the No Project
 Alternative.

Table D-111

2010-2030 Intersection Impacts – Airport Implementation Plan Alternative (Without Parking Structure)

| | | | | Year 2010 | | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
|------------------------|--------------------------|--------------|--------------|------------|--------------|--------------|------------|--------------|---------|--------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|
| Intersection Number | Intersection | Peak Hour | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. | No Proj | No Project | Diff. |
| | | | Delay (Sec.) | | Delay (Sec.) | Delay (Sec.) | | Delay (Sec.) | | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) |
| 1 | North Harbor Drive/ | AM | 20.2 | 20.3 | -0.1 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.7 | 21.8 | 0.1 |
| | Nimitz Boulevard | PM | 20.7 | 20.6 | 0.1 | 20.4 | 20.3 | -0.1 | 20.9 | 20.9 | 0.0 | 21.1 | 21.1 | 0.0 | 21.6 | 21.7 | 0.1 |
| 2 | North Harbor Drive/ | AM | 6.7 | 6.8 | -0.1 | 7.2 | 7.4 | 0.2 | 7.4 | 7.7 | 0.3 | 7.6 | 7.8 | 0.2 | 7.6 | 7.9 | 0.3 |
| | McCain Road | PM | 9.1 | 9.2 | -0.1 | 9.9 | 10.0 | 0.1 | 10.2 | 10.4 | 0.2 | 10.3 | 10.5 | 0.2 | 10.3 | 10.5 | 0.2 |
| 3 | North Harbor Drive/ | AM | 10.1 | 9.3 | 8.0 | 10.9 | 10.0 | -0.9 | 11.2 | 10.2 | -1.0 | 11.7 | 10.6 | -1.1 | 13.1 | 12.3 | -0.8 |
| | Spanish Landing | PM | 8.7 | 7.9 | 8.0 | 9.3 | 8.5 | -0.8 | 9.8 | 8.9 | -0.9 | 10.0 | 9.1 | -0.9 | 11.2 | 10.4 | -0.8 |
| 4 | North Harbor Drive/ | AM | 20.4 | 18.0 | 2.4 | 20.4 | 17.7 | -2.7 | 20.9 | 18.1 | -2.8 | 20.8 | 18.0 | -2.8 | 21.9 | 18.6 | -3.3 |
| | Harbor Island Drive | PM | 30.8 | 30.4 | 0.4 | 31.4 | 30.8 | -0.6 | 32.8 | 32.1 | -0.7 | 33.3 | 32.7 | -0.6 | 34.9 | 34.2 | -0.7 |
| 5 | North Harbor Drive/ | AM | 9.9 | 17.0 | -7.1 | 10.6 | 18.1 | 7.5 | 10.8 | 18.6 | 7.8 | 10.7 | 19.1 | 8.4 | 11.1 | 19.4 | 8.3 |
| | Winship Lane | PM | 9.6 | 14.0 | -4.4 | 10.3 | 15.0 | 4.7 | 10.4 | 15.3 | 4.9 | 10.6 | 15.9 | 5.3 | 10.7 | 15.9 | 5.2 |
| 6 | North Harbor Drive/ | AM | 6.7 | 7.3 | -0.6 | 7.5 | 8.2 | 0.7 | 8.2 | 9.2 | 1.0 | 8.8 | 10.1 | 1.3 | 9.0 | 10.7 | 1.7 |
| | Rental Car Road | PM | 7.6 | 8.4 | -0.8 | 8.5 | 9.3 | 0.8 | 9.2 | 10.1 | 0.9 | 9.6 | 10.8 | 1.2 | 10.0 | 11.4 | 1.4 |
| 7 | Sheraton | AM | 12.4 | 12.4 | 0.0 | 12.3 | 12.3 | 0.0 | 12.0 | 12.0 | 0.0 | 11.8 | 11.7 | -0.1 | 11.6 | 11.6 | 0.0 |
| | Harbor Island Drive | PM | 7.6 | 7.6 | 0.0 | 7.4 | 7.4 | 0.0 | 7.2 | 7.2 | 0.0 | 7.0 | 7.0 | 0.0 | 6.9 | 6.9 | 0.0 |
| 8 | Employee Lot | AM | 9.8 | 9.8 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 |
| - | Harbor Island Drive | PM | 10.1 | 10.1 | 0.0 | 10.1 | 10.1 | 0.0 | 10.2 | 10.2 | 0.0 | 10.2 | 10.2 | 0.0 | 10.1 | 10.2 | 0.1 |
| 9 | Sassafras Street/ | AM | 15.3 | 15.3 | 0.0 | 15.4 | 15.5 | 0.1 | 15.1 | 15.2 | 0.1 | 15.6 | 15.7 | 0.1 | 14.0 | 14.2 | 0.2 |
| ĭ | Pacific Highway | PM | 14.5 | 15.1 | -0.6 | 16.6 | 17.5 | 0.9 | 16.5 | 17.3 | 0.8 | 18.5 | 20.0 | 1.5 | 14.1 | 14.8 | 0.7 |
| 10 | Laurel Street/ | AM | 9.2 | 9.1 | 0.1 | 10.1 | 10.0 | -0.1 | 10.8 | 10.7 | -0.1 | 11.3 | 11.4 | 0.1 | 10.5 | 10.8 | 0.3 |
| 10 | North Harbor Drive | PM | 15.5 | 15.4 | 0.1 | 16.3 | 16.1 | -0.2 | 18.7 | 18.5 | -0.2 | 19.3 | 19.5 | 0.2 | 19.4 | 20.1 | 0.7 |
| 11 | Hawthorn Street/ | AM | 31.8 | 30.7 | 1.1 | 49.6 | 47.3 | -2.3 | 112.8 | 110.5 | -2.3 | 131.7 | 132.4 | 0.7 | 173.0 | 179.2 | 6.2 |
| ''' | North Harbor Drive | PM | 23.2 | 23.0 | 0.2 | 25.2 | 24.9 | -0.3 | 33.7 | 33.0 | -0.7 | 40.7 | 41.0 | 0.3 | 55.9 | 60.0 | 4.1 |
| 12 | Grape Street/ | AM | 8.2 | 8.2 | 0.2 | 8.4 | 8.4 | 0.0 | 8.3 | 8.4 | 0.1 | 8.4 | 8.4 | 0.0 | 8.3 | 8.5 | 0.2 |
| 12 | · · | PM | 10.9 | 10.9 | 0.0 | 11.0 | 11.0 | 0.0 | 10.7 | 10.7 | 0.1 | 11.0 | 11.0 | 0.0 | 10.9 | 11.0 | 0.2 |
| 40 | North Harbor Drive | AM | 32.1 | 32.1 | | 33.7 | 33.7 | 0.0 | 33.9 | 33.9 | 0.0 | 34.4 | 34.5 | | 33.7 | 33.9 | 0.1 |
| 13 | Laurel Street/ | | | | 0.0 | | | | | | | | | 0.1 | | | - |
| - 44 | Pacific Highway | PM | 49.0 | 48.9 | 0.1 | 62.4 | 62.1 | -0.3 | 59.5 | 59.3 | -0.2 | 53.1 | 53.4 | 0.3 | 60.4 | 61.7 | 1.3 |
| 14 | Hawthorn Street/ | AM | 12.6 | 12.5 | 0.1 | 14.3 | 14.1 | -0.2 | 15.8 | 15.7 | -0.1 | 17.7 | 17.7 | 0.0 | 18.9 | 19.3 | 0.4 |
| | Pacific Highway | PM | 21.0 | 20.9 | 0.1 | 22.0 | 21.9 | -0.1 | 22.9 | 22.8 | -0.1 | 23.8 | 23.8 | 0.0 | 23.3 | 23.4 | 0.1 |
| 15 | Grape Street/ | AM | 18.5 | 18.5 | 0.0 | 19.0 | 19.1 | 0.1 | 19.9 | 19.9 | 0.0 | 20.3 | 20.4 | 0.1 | 20.2 | 20.3 | 0.1 |
| | Pacific Highway | PM | 26.2 | 26.1 | 0.1 | 32.8 | 32.7 | -0.1 | 53.1 | 53.3 | 0.2 | 68.6 | 69.4 | 0.8 | 56.5 | 58.2 | 1.7 |
| 16 | Laurel Street/ | AM | 18.9 | 18.8 | 0.1 | 19.6 | 19.5 | -0.1 | 19.8 | 19.6 | -0.2 | 19.9 | 19.8 | -0.1 | 21.9 | 22.0 | 0.1 |
| | Kettner Boulevard | PM | 21.4 | 21.2 | 0.2 | 22.9 | 22.8 | -0.1 | 25.9 | 25.6 | -0.3 | 24.8 | 24.6 | -0.2 | 31.9 | 32.2 | 0.3 |
| 17 | Hawthorn Street/ | AM | 5.5 | 5.5 | 0.0 | 6.2 | 6.2 | 0.0 | 10.3 | 10.3 | 0.0 | 9.6 | 9.6 | 0.0 | 13.0 | 13.4 | 0.4 |
| | Kettner Boulevard | PM | 10.9 | 10.9 | 0.0 | 11.3 | 11.2 | -0.1 | 15.6 | 15.5 | -0.1 | 13.9 | 13.8 | -0.1 | 14.2 | 14.2 | 0.0 |
| 18 | Grape Street/ | AM | 12.4 | 12.4 | 0.0 | 13.1 | 13.1 | 0.0 | 14.8 | 14.8 | 0.0 | 14.2 | 14.2 | 0.0 | 14.8 | 14.7 | -0.1 |
| | Kettner Boulevard | PM | 16.7 | 16.6 | 0.1 | 22.8 | 22.7 | -0.1 | 55.3 | 55.3 | 0.0 | 54.0 | 54.9 | 0.9 | 77.1 | 79.6 | 2.5 |
| 19 | Grape Street/ | AM | 11.1 | 11.1 | 0.0 | 8.9 | 10.8 | 1.9 | 11.6 | 11.5 | -0.1 | 11.5 | 13.7 | 2.2 | 15.1 | 15.3 | 0.2 |
| | I-5 Southbound On-Ramp | PM | 28.6 | 27.9 | 0.7 | 35.2 | 34.5 | -0.7 | 32.9 | 32.5 | -0.4 | 38.6 | 38.7 | 0.1 | 87.1 | 89.1 | 2.0 |
| 20 | Hawthorn Street/ | AM | 11.1 | 11.0 | 0.1 | 10.6 | 10.6 | 0.0 | 10.8 | 10.8 | 0.0 | 19.6 | 11.0 | -8.6 | 15.3 | 15.8 | 0.5 |
| | I-5 Northbound Off-Ramp | PM | 11.8 | 11.8 | 0.0 | 12.0 | 12.0 | 0.0 | 12.1 | 12.1 | 0.0 | 16.4 | 11.5 | -4.9 | 11.0 | 11.1 | 0.1 |
| 21 | Laurel Street/ | AM | 18.5 | 18.4 | 0.1 | 19.4 | 19.3 | -0.1 | 22.6 | 19.2 | -3.4 | 22.9 | 22.8 | -0.1 | 23.0 | 23.1 | 0.1 |
| | India Street | PM | 21.4 | 21.3 | 0.1 | 22.9 | 22.9 | 0.0 | 22.1 | 22.0 | -0.1 | 26.8 | 22.4 | -4.4 | 32.4 | 32.3 | -0.1 |
| 22 | Sassafras Street/ | AM | 8.3 | 8.7 | -0.4 | 9.2 | 9.6 | 0.4 | 19.4 | 19.3 | -0.1 | 11.9 | 12.0 | 0.1 | 9.6 | 9.8 | 0.2 |
| | Kettner Boulevard | PM | 11.1 | 11.7 | -0.6 | 12.5 | 13.2 | 0.7 | 121.5 | 123.1 | 1.6 | 82.1 | 84.8 | 2.7 | 62.5 | 66.7 | 4.2 |
| 23 | Sassafras Street/ | AM | 8.1 | 8.3 | -0.2 | 8.2 | 8.4 | 0.2 | 8.7 | 8.8 | 0.1 | 9.0 | 9.1 | 0.1 | 8.0 | 8.1 | 0.1 |
| | India Street | PM | 13.5 | 13.8 | -0.3 | 17.3 | 17.9 | 0.6 | 15.3 | 15.7 | 0.4 | 15.7 | 16.2 | 0.5 | 16.6 | 17.7 | 1.1 |
| 24 | Washington Street/ | AM | 12.6 | 12.6 | 0.0 | 12.7 | 12.7 | 0.0 | 13.0 | 13.0 | 0.0 | 12.8 | 12.8 | 0.0 | 12.4 | 12.5 | 0.1 |
| | Pacific Highway SB-Ramps | PM | 14.9 | 14.9 | 0.0 | 15.1 | 15.1 | 0.0 | 15.3 | 15.3 | 0.0 | 15.5 | 15.5 | 0.0 | 17.4 | 17.6 | 0.2 |
| 25 | Washington Street/ | AM | 33.5 | 33.5 | 0.0 | 46.7 | 46.7 | 0.0 | 56.0 | 56.3 | 0.3 | 59.8 | 60.5 | 0.7 | 31.1 | 31.6 | 0.5 |
| 20 | Pacific Highway NB-Ramps | PM | 67.7 | 68.5 | -0.8 | 107.8 | 100.5 | -7.3 | 130.2 | 130.5 | 0.3 | 156.4 | 156.7 | 0.3 | 79.3 | 79.8 | 0.5 |
| 26 | Washington Street/ | AM | 27.8 | 27.8 | 0.0 | 28.1 | 28.1 | 0.0 | 28.7 | 28.7 | 0.0 | 28.8 | 28.8 | 0.0 | 25.9 | 25.9 | 0.0 |
| 20 | Hancock Street | PM | 30.2 | 30.2 | 0.0 | 30.8 | 30.8 | 0.0 | 32.4 | 32.4 | 0.0 | 32.7 | 32.7 | 0.0 | 28.0 | 28.0 | 0.0 |
| 27 | Washington Street/ | AM | 12.5 | 12.5 | 0.0 | 13.1 | 13.1 | 0.0 | 12.7 | 12.7 | 0.0 | 12.5 | 12.5 | 0.0 | 15.0 | 14.9 | -0.1 |
| 21 | | PM | | | | | | 0.0 | | | | | | | | | |
| 00 | San Diego Avenue | | 13.6 | 13.6 | 0.0 | 14.1 | 14.1 | | 14.1 | 14.1 | 0.0 | 14.0 | 14.0 | 0.0 | 16.8 | 16.8 | 0.0 |
| 28 | Rosecrans Street/ | AM | 36.1 | 36.1 | 0.0 | 36.4 | 36.4 | 0.0 | 36.1 | 36.1 | 0.0 | 36.2 | 36.2 | 0.0 | 37.3 | 37.3 | 0.0 |
| 0.5 | Pacific Highway | PM | 39.1 | 39.1 | 0.0 | 44.8 | 44.8 | 0.0 | 41.3 | 41.3 | 0.0 | 41.9 | 41.9 | 0.0 | 42.9 | 43.0 | 0.1 |
| 29 | RosecransStreet/ | AM | 21.8 | 21.7 | 0.1 | 21.8 | 21.6 | -0.2 | 24.3 | 24.2 | -0.1 | 23.6 | 23.7 | 0.1 | 26.8 | 27.0 | 0.2 |
| | Nimitz Boulevard | PM | 25.0 | 24.9 | 0.1 | 25.3 | 25.1 | -0.2 | 26.7 | 26.6 | -0.1 | 26.5 | 26.5 | 0.0 | 28.9 | 29.1 | 0.2 |



D.6.2.3.3 Freeway Segments

The traffic forecasts on freeway segments for the Implementation Plan Alternative (Without Parking Structure) would be the same as for the Implementation Plan Alternative (With Parking Structure). Therefore, operations of freeway segments in the study area would be the same for the Implementation Plan (With or Without Parking Structure). As discussed in Section D.6.1.3.3, the Implementation Plan Alternative would not have any significant freeway impacts.

D.6.2.3.4 Freeway Ramps

The traffic forecasts on freeway ramps for the Implementation Plan Alternative (Without Parking Structure) would be the same as for the Implementation Plan Alternative (With Parking Structure). Therefore, ramp operations would be the same under the Implementation Plan Alternative with and without parking structure. As discussed in Section D.6.1, the Implementation Plan Alternative would not have any significant freeway ramp impacts.

D.6.2.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis report. Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44% increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32 trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips. For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-112 summarizes the railroad crossing delay analysis for each analysis year under the Airport Implementation Plan Alternative. As shown, delays at all railroad crossings were estimated to be under the VHD threshold for each street segment in 2010, 2015 and 2030. Washington Street railroad crossings exceeded the threshold of VHD in 2020 and 2025. However, due to shifts in regional background traffic described in Section D.2.1.1 *Airport Trip Generation and Background Traffic* total traffic on Washington Street in 2030 decreased causing in the VHD to decrease to a level of insignificance.

Linscott, Law & Greenspan Engineers March 3, 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.

Table D-112

2010-2030 Railroad Crossing Operations – Airport Implementation Plan Alternative (Without Parking Structure)

| | | | Year 2010 | | |
|-------------------|-----------|--------|------------|-----|-----------|
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 20,400 | 4.76 | 64 | No |
| Sassafras Street | 75 | 14,500 | 3.44 | 24 | No |
| Palm Street | 75 | 900 | 3.44 | 0 | No |
| Laurel Street | 300 | 25,100 | 0.77 | 1 | No |
| Hawthorn Street | 150 | 18,400 | 0.77 | 10 | No |
| Grape Street | 300 | 29,000 | 0.77 | 18 | No |
| | | | | | |
| | | | Year 2015 | | |
| | | | Total gate | | |
| | | | down time | | |

| Total gate | |
|---------------------------------------|-----------|
| | |
| down time | |
| VHD ADT per day | Exceeds |
| Crossing Threshold Volume (hours) VHD | VHD Limit |
| Washington Street 150 23,300 8.53 13 | l No |
| Sassafras Street 150 16,800 6.13 5 |) No |
| Palm Street 75 900 6.13 |) No |
| Laurel Street 300 28,800 0.80 | No |
| Hawthorn Street 150 20,600 0.80 13 | 2 No |
| Grape Street 300 31,600 0.80 23 | 2 No |

| | | | Year 2020 | | |
|-------------------|-----------|--------|------------|-----|-----------|
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,500 | 8.94 | 152 | Yes |
| Sassafras Street | 150 | 17,100 | 6.46 | 54 | No |
| Palm Street | 75 | 300 | 6.46 | 0 | No |
| Laurel Street | 300 | 30,300 | 1.13 | 1 | No |
| Hawthorn Street | 150 | 23,300 | 1.13 | 23 | No |
| Grape Street | 300 | 34,500 | 1.13 | 44 | No |

| | | | Year 2025 | | |
|-------------------|-----------|--------|------------|-----|-----------|
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,900 | 9.41 | 165 | Yes |
| Sassafras Street | 150 | 18,600 | 6.79 | 65 | No |
| Palm Street | 75 | 100 | 6.79 | 0 | No |
| Laurel Street | 300 | 31,800 | 1.46 | 0 | No |
| Hawthorn Street | 150 | 24,700 | 1.46 | 31 | No |
| Grape Street | 300 | 35,800 | 1.46 | 59 | No |

| | | | Year 2030 | | |
|-------------------|-----------|--------|------------|-----|-----------|
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 19,200 | 9.95 | 126 | No |
| Sassafras Street | 75 | 14,700 | 7.18 | 51 | No |
| Palm Street | 75 | 100 | 7.18 | 0 | No |
| Laurel Street | 300 | 34,700 | 1.85 | 0 | No |
| Hawthorn Street | 300 | 26,500 | 1.85 | 44 | No |
| Grape Street | 300 | 37,500 | 1.85 | 83 | No |

VHD = vehicle-hours of delay ADT = average daily traffic

D.6.2.3.6 Transit

Under the Implementation Plan Alternative no existing or planned transit routes would be modified. Therefore, no adverse impacts would occur to transit operations and no mitigation is required.

D.6.2.3.7 Parking

The Implementation Plan Alternative (Without Parking Structure) would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. In addition, the Implementation Plan Alternative (Without Parking Structure) would provide 500 additional airport public parking spaces at SAN Park Pacific Highway. However, demand for terminal area parking (8,400 spaces in 2015 and 10,500 spaces in 2030, as documented in the AMP facility requirements) would continue to exceed the supply of 6,880 (4,085 plus 2,795 additional spaces in an expanded surface lot adjacent to the new unit terminal and west of Terminal 2 West) under the Implementation Plan Alternative (Without Parking Structure), resulting in a deficiency of 1,520 spaces in 2015 and 3,620 in 2030.

D.6.2.3.8 Terminal Curbside

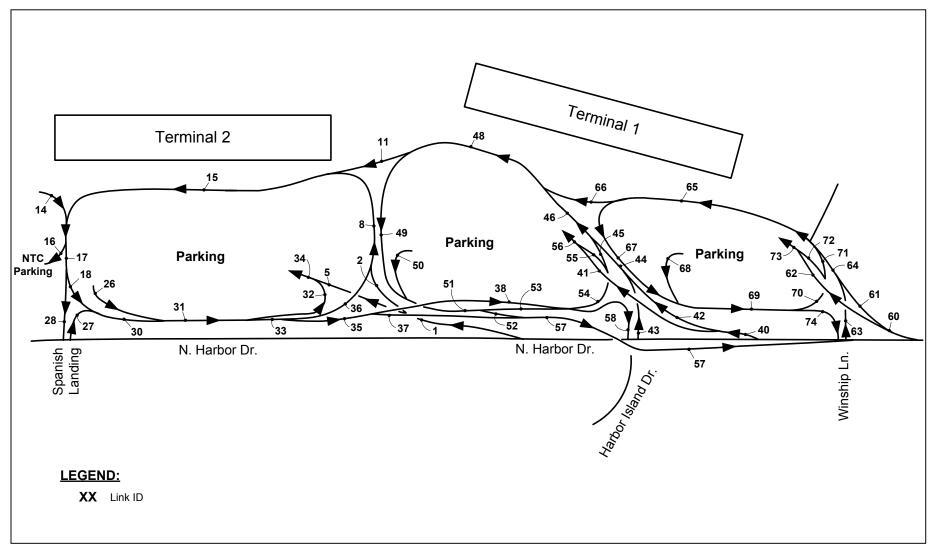
Currently 6,630 linear feet of curbside is available between all three terminals. In 2015, 7,240 linear feet of curbside is required at Terminals 1 and 2 and the Commuter Terminal to accommodate private and commercial vehicle demand. The No Project Alternative would maintain the existing curbside supply, which would result in a curbside deficit of 610 linear feet. Under the Implementation Plan Alternative (Without Parking Structure) approximately 1,000 additional linear feet of curbside would be provided on a second level at Terminal 1 East and there would be an airport-wide surplus of 380 linear feet in 2015. Therefore, the Implementation Plan Alternative would result in favorable curbside impact compared to the No Project Alternative.

D.6.2.3.9 On-Airport Traffic Circulation

Table D-113 shows the AM and PM peak hour traffic volumes and LOS on terminal roadways under the Implementation Plan Alternative (Without Parking Structure) (please refer to **Figure D.6-2** for link ID key map). As shown, all terminal roadways would operate at LOS D or better during peak hours under the Implementation Plan Alternative. Therefore, the Implementation Plan Alternative (Without Parking Structure) would have no adverse on-airport traffic circulation impacts compared to the No Project Alternative, and no mitigation is required.

AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT







Appendix D.6-2

On-Airport Roadway Link ID Key Map Airport Implementation Plan Alternative (without Parking Structure)

Table D-113
2010-2030 On-Airport Roadway Peak Hour Operations – Implementation Plan Alternative (Without Structure)

| | | | | 010 | | | 20 | 15 | | | | 20 | | | | 25 | | | | 30 | |
|--------------|------------|-----------|----------|----------------------|--------|-----------|-------------|--------------------|----------|-----------|-----------|--------------------|--------|---------------|-----------|----------------|--------|-----------|----------|--------------------|--------|
| Link ID | Lanes 2 | AM 384 | LOS | PM 317 | LOS | AM 459 | LOS | PM 381 | LOS A | AM 483 | LOS B | PM 402 | LOS | AM 515 | LOS B | PM 431 | LOS | AM 525 | LOS B | PM 439 | LOS |
| 2 | 2 | 315 | A | 267 | A | 380 | A | 324 | A | 404 | A | 346 | A | 436 | A | 374 | A | 450 | A | 386 | A |
| 3 | | 313 | | lot Used | | 300 | | ot Used | ^ | 404 | | ot Used | ^ | 430 | | ot Used | ^ | 430 | | ot Used | |
| 4 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 5 | 2 | 69 | Α | 49 | A | 79 | Α | 57 | A | 79 | Α | 56 | A | 79 | Α | 57 | А | 75 | Α | 54 | A |
| 6 | | | Link N | lot Used | | | Link N | ot Used | • | | Link No | ot Used | • | | Link No | ot Used | | | Link N | ot Used | |
| 7 | | | Link N | lot Used | | | Link N | ot Used | | | Link No | ot Used | | | Link No | ot Used | | | Link N | ot Used | |
| 8 | 3 | 402 | A | 341 | Α | 483 | A | 412 | Α | 516 | Α | 441 | A | 555 | Α | 476 | Α | 599 | A | 514 | Α |
| 9 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 10 11 | - 4 | 404 | | lot Used | | 400 | | ot Used 211 | | 400 | | ot Used | | 040 | | ot Used | В | 200 | | ot Used | |
| 12 | 1 | 161 | A Link N | 187 lot Used | A | 183 | A Link N | ot Used | A | 199 | A Link N | 230 ot Used | A | 210 | A Link N | 243 ot Used | В | 220 | A Link N | 255 ot Used | В |
| 13 | | | Link N | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 14 | 1 | 57 | A | 50 | A | 65 | Α | 57 | Α | 70 | A | 62 | Α | 74 | A | 65 | А | 77 | A | 67 | Α |
| 15 | 4 | 563 | A | 528 | A | 666 | A | 623 | A | 715 | A | 671 | A | 765 | A | 719 | A | 819 | A | 769 | A |
| 16 | 1 | 12 | Α | 12 | Α | 12 | A | 12 | A | 12 | Α | 12 | Α | 12 | A | 12 | Α | 12 | Α | 12 | Α |
| 17 | 4 | 608 | Α | 566 | Α | 719 | A | 668 | Α | 772 | Α | 721 | A | 827 | Α | 772 | Α | 884 | Α | 824 | Α |
| 18 | 2 | 484 | В | 458 | A | 576 | В | 543 | В | 619 | В | 587 | В | 664 | В | 630 | В | 691 | В | 656 | В |
| 19 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 20 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 21 22 | | | | lot Used lot Used | | | | ot Used ot Used | | - | | ot Used ot Used | | | Link No | | | | | ot Used ot Used | |
| 23 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 24 | | | Link N | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 25 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 26 | 1 | 41 | Α | 89 | A | 48 | Α | 103 | A | 48 | Α | 103 | A | 48 | A | 103 | Α | 47 | Α | 102 | A |
| 27 | 2 | 68 | Α | 56 | Α | 81 | Α | 68 | Α | 86 | Α | 71 | Α | 91 | Α | 76 | Α | 123 | Α | 103 | Α |
| 28 | 3 | 124 | Α | 108 | A | 143 | Α | 125 | A | 153 | Α | 134 | A | 163 | A | 143 | Α | 194 | Α | 169 | Α |
| 29 | | | | lot Used | | | | ot Used | | 0 | A | 0 | A | 0 | A | 0 | Α | | | ot Used | |
| 30 | 2 | 552 | В | 514 | В | 657 | В | 611 | В | 705 | В | 658 | В | 755 | В | 706 | В | 814 | С | 759 | В |
| 31 32 | 3 | 593 12 | A A | 603 9 | A A | 705 14 | B A | 713 10 | B A | 753 14 | B A | 761 10 | B A | 804 14 | B A | 809 10 | B A | 860 18 | B A | 860 12 | B A |
| 33 | 3 | 581 | A | 594 | A | 691 | A | 703 | B | 739 | B | 751 | B | 790 | В | 799 | B | 842 | B | 848 | B |
| 34 | 4 | 81 | A | 58 | A | 93 | A | 67 | A | 93 | A | 66 | A | 93 | A | 67 | A | 93 | A | 66 | A |
| 35 | 2 | 494 | B | 521 | В | 588 | В | 615 | В | 628 | В | 656 | B | 670 | В | 697 | В | 693 | B | 720 | B |
| 36 | 1 | 87 | Α | 73 | Α | 104 | Α | 88 | Α | 111 | Α | 95 | Α | 120 | Α | 102 | А | 150 | Α | 128 | A |
| 37 | 1 | 453 | С | 472 | С | 542 | С | 562 | С | 581 | D | 601 | D | 622 | D | 641 | D | 642 | D | 659 | D |
| 38 | 1 | 41 | Α | 49 | A | 45 | Α | 53 | A | 47 | Α | 55 | A | 48 | A | 56 | Α | 51 | Α | 61 | Α |
| 39 | | | | lot Used | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 40 | 2 | 180 | A | 149 | A | 209 | A | 173 | A | 267 | A | 222 | A | 288 | A | 239 | A | 301 | A | 251 | Α |
| 41 | 1 | 34 147 | A A | 24 124 | A | 37 172 | A | 26 147 | A | 46 221 | A A | 33 189 | A A | 51 237 | A | 36 203 | A A | 53 248 | A A | 38 213 | A |
| 43 | 1 | 35 | A | 28 | A | 40 | A | 33 | A | 51 | A | 42 | A | 55 | A | 46 | A | 75 | A | 62 | A |
| 44 | 3 | 181 | A | 153 | A | 212 | A | 180 | A | 272 | A | 231 | A | 292 | A | 249 | A | 323 | A | 275 | A |
| 45 | 1 | 14 | A | 12 | A | 16 | A | 14 | A | 18 | A | 15 | A | 19 | A | 16 | A | 20 | A | 17 | A |
| 46 | 3 | 195 | Α | 164 | Α | 228 | Α | 194 | Α | 290 | Α | 247 | Α | 311 | Α | 265 | Α | 343 | Α | 293 | Α |
| 47 | | | | lot Used | | | Link N | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 48 | 4 | 342 | A | 340 | A | 395 | A | 391 | A | 471 | A | 461 | A | 502 | A | 492 | A | 543 | A | 530 | A |
| 49 50 | 2 | 181 21 | A | 153 45 | A | 212 22 | A | 180 48 | A | 272 28 | A | 231 61 | A | 292 31 | A | 249 67 | A | 323 34 | A | 275 73 | A A |
| 51 | 1 | 202 | A A | 198 | A | 234 | A A | 228 | A A | 300 | A A | 292 | A A | 323 | A A | 316 | A | 357 | A A | 348 | A |
| 52 | 2 | 164 | A | 162 | A | 190 | A | 187 | A | 244 | A | 292 | A | 263 | A | 259 | A | 275 | A | 271 | A |
| 53 | 1 | 38 | A | 36 | A | 44 | A | 41 | A | 56 | A | 52 | A | 60 | A | 57 | A | 82 | A | 77 | A |
| 54 | 1 | 20 | A | 17 | A | 23 | A | 19 | A | 27 | A | 21 | A | 29 | Ä | 23 | A | 33 | Ä | 26 | A |
| 55 | 11 | 6 | Α | 5 | Α | 7 | Α | 5 | Α | 9 | Α | 6 | Α | 10 | Α | 7 | Α | 13 | Α | 9 | Α |
| 56 | 2 | 40 | Α | 29 | A | 44 | Α | 31 | A | 55 | Α | 39 | A | 61 | A | 43 | Α | 66 | Α | 47 | Α |
| 57 | 2 | 617 | Α | 634 | В | 733 | В | 749 | В | 825 | В | 841 | В | 884 | В | 900 | В | 917 | В | 930 | В |
| 58 | 2 | 59 | A | 68 | A | 66 | Α | 75 | Α | 76 | Α | 86 | Α | 79 | Α | 90 | Α | 100 | A | 112 | Α |
| 59 60 | 2 | 454 | A LINK N | lot Used 413 | А | 523 | Link N B | ot Used 478 | В | 568 | B LINK NO | ot Used 522 | В | 600 | B LINK NO | ot Used | В | 586 | LINK N | ot Used 547 | В |
| 61 | 2 | 408 | A | 381 | A | 471 | В | 441 | A | 512 | В | 483 | В | 542 | В | 553 512 | В | 532 | В | 507 | B |
| 62 | 1 | 45 | A | 32 | A | 52 | A | 37 | A | 56 | A | 39 | A | 58 | A | 41 | A | 54 | A | 39 | A |
| 63 | 1 | 132 | Ä | 117 | A | 145 | A | 129 | A | 154 | A | 137 | A | 161 | A | 142 | Ä | 182 | A | 160 | A |
| 64 | 3 | 540 | Α | 498 | Α | 616 | Α | 570 | Α | 666 | Α | 619 | Α | 703 | В | 654 | Α | 714 | В | 668 | Α |
| 65 | 3 | 517 | Α | 502 | Α | 593 | Α | 574 | Α | 643 | Α | 623 | A | 680 | Α | 658 | Α | 691 | Α | 672 | Α |
| 66 | 1 | 147 | A | 175 | A | 167 | A | 197 | A | 181 | A | 215 | A | 191 | A | 227 | A | 200 | A | 238 | В |
| 67 | 2 | 370 | A | 327 | A | 426 | A | 377 | A | 462 | A | 408 | A | 489 | В | 431 | A | 491 | В | 434 | A |
| 68 | 1 | 27 | A | 59 | A | 32 | A | 68 | A | 34 | A | 73 | A | 35 | A | 76 | A | 35 | A | 75 | A |
| 69 70 | 2 | 388 0 | A A | 380 | A | 449 0 | A A | 438 0 | A A | 485 0 | B A | 474 0 | B A | 513 0 | B A | 500 0 | B A | 512 0 | B A | 499 0 | B A |
| 70 | 1 | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A | 0 | A |
| 72 | 1 | 9 | A | 6 | A | 10 | A | 7 | A | 11 | A | 8 | A | 11 | A | 8 | A | 14 | A | 10 | A |
| 73 | 2 | 54 | Ä | 38 | A | 62 | A | 44 | A | 67 | Ä | 47 | A | 69 | A | 49 | Ā | 68 | A | 49 | A |
| 74 | 2 | 388 | A | 380 | A | 449 | A | 438 | A | 485 | В | 474 | В | 513 | В | 500 | В | 512 | В | 499 | В |
| Source: HNTB | . 2007 | | _ | _ | _ | | | _ | _ | | | | _ | | _ | _ | _ | _ | | | |

Source: HNTB, 2007 NOTE: Please refer to **Figure D.6-2** for Link ID Key map.

LOS = Level of service

D.7 Proposed Airport Land Use Plan

The Proposed Airport Land Use Plan will be hereinafter referred to in this section (Section D.7) as the "Land Use Plan" unless otherwise indicated.

D.7.1 Assumptions

- Projects assumed in the Land Use Plan are discussed in the Alternatives section of the EIR
 and include all projects in the Proposed Airport Implementation Plan (With Parking Structure)
 with additional development in the North Area and the former Teledyne Ryan Property (TDY
 site). Additional projects included in the Land Use Plan (not included in the Proposed Airport
 Implementation Plan) include:
 - Development of the TDY site providing 3,000 new surface parking spaces, 11 acres of general aviation and 11 acres of SDCRAA office and maintenance space. Trip generation associated with these projects is discussed in the next section. It is assumed the Rental Car Road, north of North Harbor Drive, would provide access to this site.
 - Development of the North Area providing new cargo facilities and a 6-level rental car and public parking structure with 9,000 ready, return, and storage rental car spaces and 2,170 public parking spaces. For this study it was assumed that the rental car companies located along Rental Car Road south of North Harbor Drive along with the off-Airport rental car companies located along Pacific Highway would relocate to the 9,000 space Consolidated Rental Car (CONRAC) Facility in the north area. The provision of 9,000 rental car spaces is based upon 2015 rental car requirements discussed in Section 7.3 Ground Transportation Requirements of the AMP document. As rental car demand grows past 2015, it is assumed that public parking in the structure will be displaced in favor of rental car spaces. The public parking demand will be relocated to the TDY site adjacent to the Commuter Terminal.
 - Development of an Airport Transit Center in the north area between Pacific Highway and the north access road. The Transit Center would be integrated with, or immediately adjacent to, the Consolidated Rental Car (CONRAC) / public parking structure. A pedestrian connection would also be provided between the Transit Center and Washington Street Trolley station.
 - Extension of the North Area access road (proposed in the Implementation Plan) connecting to Sassafras Street would be extended providing access to the west portion of the North Area site.
 - A dedicated transit corridor connecting the north CONRAC / Transit Center and south terminal areas. A consolidated shuttle serving all rental car companies, public parking and the Transit Center would replace the individual rental car company shuttles operating between the current Harbor Island and Pacific Highway rental car operations.
- The Land Use Plan would accommodate the same volume of air passengers as the Proposed Airport Implementation Plan. However, the replacement of the individual rental car company shuttles with a consolidated shuttle operating on a dedicated transit corridor would reduce terminal trip generation under the Land Use Plan. Trip generation associated with additional non-terminal area development is discussed in the next section and would increase total airport trip generation.
- The trip distribution of airport traffic under the Land Use Plan is assumed to be the same as the No Project Alternative, as discussed in Section D.4.2.
- The Land Use Plan would have the same gate distribution as the Proposed Airport Implementation Plan, as 10 new gates would be provided at Terminal 2 West in both

alternatives. Therefore, terminal passenger distribution for the Land Use Plan would be the same as for the Proposed Airport Implementation Plan and is shown in Table D-39.

- The Land Use Plan was assumed to be a long-term forecast of potential projects and therefore, was only analyzed for 2015 and beyond. It was assumed that none of the additional projects included in the Land Use Plan would be constructed by 2010 and the earliest most could be constructed would be between 2015 and 2020.
- The Airport Land Use Plan is a planning guide to ensure that airport facilities are planned with foresight to serve the greatest number of airport users. The Airport Land Use Plan groups similar airport uses to insure compatible, shared and orderly development of future airport facilities. Where specific types of airport uses are contemplated in the future, transportation and circulation impacts associated with such uses can be assessed. Specific projects to be developed, constructed and operated are proposed in the Airport Implementation Plan. Any future projects to be developed that are not included in the Proposed Airport Implementation Plan will be 1) evaluated to ensure consistency with the Airport Land Use Plan and 2) reviewed at a project level to determine environmental impacts and incorporate the mitigation measures required by the Airport Land Use Plan.

D.7.2 <u>Trip Generation and Terminal Distribution</u>

Total trip generation associated with the Land Use Plan is summarized in **Table D-114**. As shown, total airport trip generation would increase from approximately 122,600 ADT in 2015 to 148,450 ADT in 2030. This corresponds to an increase in air passenger forecast of 22.8 million annual passengers (MAP) in 2015 to 28.2 MAP in 2030. This total trip generation takes into account airport traffic generated by passenger activity, including terminal trip generation, along with new non-terminal area traffic that may attract additional trips to the airport. Terminal trip generation would decrease under the Land Use Plan compared to the Implementation Plan and No Project Alternative due to the consolidation of rental car shuttles; however, total trip generation increases due to new trip generating projects and in-fill development in the existing rental car area along North Harbor Drive. Specific project specific trip generation associated with projects in the North Area, TDY property, and vacated rental car area on Harbor Island is shown in **Table D-115** and described below.

North Area

• The CONRAC facility would be developed with 9,000 ready, return, and storage spaces to accommodate rental car demand through 2015. The 2,170 parking spaces at the SAN Park Pacific Highway provided in the Implementation Plan would also be accommodated in this structure. However, as rental car demand grows past 2015 requirements it is assumed that rental car functions will begin to replace public parking functions in the north area structure. By 2030, it is assumed that all 2,170 public parking spaces in the North Area would be converted to rental car use. This phase-out of the North Area public parking would be offset by the new 3,000 parking spaces at TDY, which is assumed to capture the public parking demand previously accommodated in the SAN Park Pacific Highway facility.

The new consolidated rental car facility in the North Area was also assumed to accommodate the off-airport rental car facilities located along Pacific Highway. All existing rental car shuttles from the Rental Car Road and Pacific Highway facilities would be replaced by a consolidated shuttle service with less total terminal area trips than the individual shuttles. The consolidated shuttle would also serve the north area Transit Center and would use a dedicated transit corridor connecting the North Area and the South Terminal Area. This corridor would allow shuttles to travel in a dedicated lane/roadway separate from public traffic.

Trip generation associated with the rental car companies was calculated for a 9,000 space facility as shown in Table D-115, however, a portion of the traffic generated at this facility would be relocated from the Harbor Island rental car facilities.

- In 2015, the same amount of public parking provided in the SAN Park Pacific Highway facility under the Implementation Plan, approximately 2,170 spaces, would be accommodated in the north area structure. As in the Implementation plan this parking would not generate new trips but would accommodate increased parking demand. As rental car demand grows through 2030 public parking in this facility would be displaced and parking demand would be relocated to the 3,000 space TDY parking facility. By 2030 it is assumed that the entire structure would be required to accommodate rental car demand and no public parking would be provided.
- The new cargo facilities would not increase the amount of air cargo accommodated at SDIA, but instead would allow cargo operators to sort cargo on-site as opposed to sorting off site and trucking loaded containers to the airport to load onto airplanes. Trip generation rates were adjusted to reflect this operation and were derived from similar domestic air cargo facilities at LAX. The new trip generation rate is assumed to be 2.31. Air cargo activity was assumed to grow from approximately 187,700 annual tons in 2005 to approximately 622,100 annual tons in 2030. Cargo vehicular traffic to and from the site was estimated based on the new trip rate.

South Area

- SDCRAA office and maintenance facilities were assumed to be developed on approximately 11 acres of the TDY site. In order to assess a "worst case" scenario, trips associated with the 11-acre SDCRAA office/maintenance area were estimated based on the trip generation rate for an office building. It was assumed that if a portion of the 11 acres were used for a SDCRAA maintenance facility peak hour trips would be less than those analyzed because a maintenance facility would have fewer employees per square foot than an office building. Trip generation associated with this development is shown in Table D-115.
- Development of additional general aviation facilities were assumed on 11 acres of the TDY site. Trip generation associated with this development is shown in Table D-115.
- A 3,000 space parking facility developed on the TDY site would accommodate demand for public (economy) and employee parking. Employee parking demand that is accommodated in the north area under the Implementation Plan would be displaced by development of the CONRAC structure and was assumed to move to the TDY site. In addition, unaccommodated public economy parking and public parking displaced by growing rental car demand would be accommodated here. Traffic would be relocated from other facilities and no new trip generation is assumed.

Existing Rental Car Area – Port of San Diego, Harbor Island East

• The existing rental car facilities on Rental Car Road, adjacent to North Harbor Drive, were assumed to be relocated to a consolidated facility in the North Area. Although this property is controlled by the Port of San Diego and not SDCRAA, in order to estimate worst case traffic conditions under the land use plan, it was assumed, after discussions with Port of San Diego staff, that new visitor-serving commercial (with hotel, convention facilities, restaurants) would replace the vacated rental car area along Rental Car Road. Alternate land uses may ultimately be developed in this area however the daily trip generation rate associated with visitor-serving commercial uses was used to estimate a high utilization of that site. Trip generation for the new development was based on trip rates from the City of San Diego Trip Generation Manual. The trip generation rate, 300 daily, 18 AM peak hour and 24 PM peak hour ADT per acre, for visitor-serving commercial is higher than the rental car facilities that it replaces and traffic from this development is accounted for as project related airport traffic under the Land Use Plan. The existing rental car site is estimated to be 33.1 acres generating 9,930 daily trips under the new land use assumptions.

Terminal passenger distribution under the Land Use Plan would be the same as under the Proposed Airport Implementation Plan and is shown again in **Table D-116**.

Table D-114

2010-2030 Airport Trip Generation – Proposed Airport Land Use Plan

| | | | Year | | |
|----------------------------------|--------|---------|---------|---------|---------|
| Activity | 2005 | 2015 | 2020 | 2025 | 2030 |
| | | | | | |
| Airport Passenger Activity Level | | | | | |
| Million Annual Passengers (MAP) | 17.4 | 22.8 | 25.1 | 26.6 | 28.2 |
| Million Annual O&D Passengers | 16.7 | 21.8 | 24.0 | 25.4 | 27.0 |
| Daily O&D Passengers | 45,830 | 59,770 | 66,220 | 70,553 | 74,199 |
| | | | | | |
| Airport Trip Generation (1) | | | | | |
| Daily | 85,100 | 122,600 | 134,300 | 142,150 | 148,450 |
| In | 42,600 | 61,450 | 67,300 | 71,250 | 74,400 |
| Out | 42,500 | 61,150 | 67,000 | 70,900 | 74,050 |
| AM Peak Hour | 3,180 | 4,690 | 5,140 | 5,445 | 5,700 |
| In | 1,760 | 2,725 | 2,990 | 3,170 | 3,315 |
| Out | 1,420 | 1,965 | 2,150 | 2,275 | 2,385 |
| PM Peak Hour | 3,245 | 4,850 | 5,280 | 5,570 | 5,810 |
| In | 1,500 | 2,350 | 2,550 | 2,690 | 2,810 |
| Out | 1,745 | 2,500 | 2,730 | 2,880 | 3,000 |
| Trip Rate | | | | | |
| Daily | 1.86 | 2.05 | 2.03 | 2.01 | 2.00 |
| | | | | | |

O&D = origin and destination

Notes:

(1) Includes terminals and associated facilities, SAN Park lots, rental car facilities on Rental Car Road, Employee Lot 6 on Harbor Island Drive, and north area. Does not include private vehicle trips to private off-airport parking and rental car facilities, but includes shuttle trips between these facilities and the terminals.

Source: HNTB, 2007. O&D = origin and destination

Table D-115

North Area and TDY Trip Generation – Proposed Airport Land Use Plan

| Land Use | Trip Rate | Unit | 2015 | 2020 | 2025 | 2030 |
|---|-----------|--------------|-------|--------|--------|--------|
| Rental Car/Parking Garage (North Area) | | | | | | |
| CONRAC/ITC | | | | | | |
| Number of Spaces | | | 9,000 | 9,900 | 10,800 | 11,700 |
| Trip Generation | | | | | | |
| Average Daily Traffic (ADT) | (1) | | 9,104 | 10,086 | 10,746 | 11,301 |
| AM Peak Hour | (1) | | 384 | 425 | 453 | 477 |
| PM Peak Hour | (1) | | 409 | 453 | 483 | 508 |
| Public Parking Spaces | | | | | | |
| Number of Spaces | | | 2,170 | 1,447 | 723 | 0 |
| Trip Generation | | | | | | |
| Average Daily Traffic (ADT) | (2) | | 178 | 1,410 | 1,929 | 0 |
| AM Peak Hour | (2) | | 7 | 53 | 73 | 0 |
| PM Peak Hour | (2) | | 8 | 64 | 87 | 0 |
| TDY Site | | | | | | |
| Authority Office Space | | | | | | |
| Area (acres) | | | 11 | 11 | 11 | 11 |
| Square feet of building floor area (1,0 | 000 sf) | | 192 | 192 | 192 | 192 |
| Trip Generation | | | | | | |
| Average Daily Traffic (ADT) | 14 | ADT/1,000 sf | 2,683 | 2,683 | 2,683 | 2,683 |
| AM Peak Hour | 0.15 | vph/1,000 sf | 29 | 29 | 29 | 29 |
| PM Peak Hour | 0.15 | vph/1,000 sf | 29 | 29 | 29 | 29 |
| General Aviation | | | | | | |
| Area | | Acres | 11 | 11 | 11 | 11 |
| Trip Generation | | | | | | |
| Average Daily Traffic (ADT) | 6 | ADT/acre | 66 | 66 | 66 | 66 |
| AM Peak Hour | 0.54 | vph/acre | 6 | 6 | 6 | 6 |
| PM Peak Hour | 0.90 | vph/acre | 10 | 10 | 10 | 10 |

Sources:

SH&E, San Diego International Airport Aviation Activity Forecasts, February 2004, and HNTB analysis.

ITE - Institute of Transportation Engineers, Trip Generation 6th Edition, 1997.

City of San Diego, Trip Generation Manual, May 2003.

SANDAG, (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002. Notes:

- (1) CONRAC trip generation based on observed trip generation at existing rental car area, projected into future years based on air passenger growth, then prorated to accommodate 100% demand.
- (2) Public parking trip generation based on observed terminal and SAN Park trip generation, projected into future years based on air passenger growth, then reallocated to various parking facilities based on capacity.

Table D-116

Terminal Passenger Distribution – Proposed Airport Land Use Plan

| | | Terminal 1 | Terminal 2 | Terminal 2 | Commuter | |
|--------------------------------------|------------|------------|------------|------------|----------|-------|
| Scenario/Year | Terminal 1 | East * | East | West | Terminal | Total |
| Existing | | | | | | |
| 2005 | 54% | 0% | 15% | 26% | 5% | 100% |
| Proposed Airport Implementation Plan | | | | | | |
| 2010 | 45% | 0% | 20% | 31% | 4% | 100% |
| 2015 | 43% | 0% | 20% | 33% | 3% | 100% |
| 2020 | 43% | 0% | 19% | 34% | 3% | 100% |
| 2025 | 43% | 0% | 19% | 35% | 3% | 100% |
| 2030 | 41% | 0% | 19% | 37% | 3% | 100% |

Source: HNTB, 2007.

D.7.3 Traffic Impacts

The proposed Airport Land Use Plan includes existing and future airport uses. The future airport uses for the transportation and circulation analysis purposes including those specific project components identified in the Proposed Airport Implementation Plan as well as future uses in the

^{*} New unit terminal under Airport Implementation Project Alternative.

North Area and the future planning areas on the former Teledyne Ryan site. Specific impact categories as they relate to the Proposed Airport Land Use Plan are discussed below. The future airport uses describe a maximum development scenario accommodating regional growth at SDIA. This analysis is provided to inform the public and agencies responsible for traffic and circulation of the effects accommodating regional growth. Future projects will be 1) evaluated to ensure consistency with the adopted Airport Land Use Plan and 2) reviewed at a project level to determine if any potential significant impacts to traffic and circulation may occur and incorporate the mitigation measures required by the Airport Land Use Plan. This will require coordination between the SDCRAA and the agency responsible for the transportation facilities (i.e. the City of San Diego for city-dedicated streets) in order to mitigate any potential significant impacts.

D.7.3.1 Street Segments

Table D-117 summarizes the street segment operations for each analysis year under the Land Use Plan.

Table D-117
2015 – 2030 Street Segment Operations – Proposed Airport Land Use Plan (2015 – 2020)

| | Segment | Classification | | | Year 2015 | | | | | | Year 2020 | | | | |
|--------------------|-----------------------------|---------------------------|-------|--------------------------------|-------------------|-----------------------|--------------------|-----------|-----|-------------------|-----------------------|-----------|-----------|-----|--|
| Roadway | | | Lanes | LOS E ADT Capacity 1000s | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS | |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 15.6 | 20.4 | 36.0 | 0.60 | C | 17.0 | 25.2 | 42.1 | 0.70 | C | |
| THORIT HAIDOI BING | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 16.1 | 16.3 | 32.4 | 0.54 | B | 17.2 | 20.7 | 37.9 | 0.63 | Č | |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 15.2 | 16.2 | 31.4 | 0.52 | B | 16.3 | 18.3 | 34.6 | 0.58 | В | |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 30.6 | 16.3 | 46.9 | 0.72 | C | 33.6 | 18.2 | 51.7 | 0.80 | C | |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 29.6 | 18.4 | 48.0 | 0.74 | C | 32.3 | 19.1 | 51.3 | 0.79 | C | |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 43.9 | 18.3 | 62.2 | 0.89 | D | 47.7 | 19.1 | 66.8 | 0.95 | Ē | |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 44.7 | 18.4 | 63.1 | 0.90 | D | 48.7 | 19.1 | 67.8 | 0.97 | E | |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 86.8 | 20.7 | 107.5 | 1.79 | F | 93.9 | 22.1 | 116.1 | 1.93 | F | |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 57.5 | 15.4 | 72.9 | 1.22 | F | 62.3 | 16.7 | 79.0 | 1.32 | F | |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 36.2 | 13.4 | 49.6 | 0.83 | C | 39.2 | 14.0 | 53.1 | 0.89 | D | |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 19.2 | 7.1 | 26.3 | 1.05 | F | 20.8 | 8.5 | 29.3 | 1.17 | F | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.8 | 17.1 | 34.9 | 1.40 | F | 19.2 | 18.5 | 37.8 | 1.51 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 17.4 | 23.7 | 41.1 | 1.64 | F | 18.8 | 19.1 | 37.9 | 1.52 | F | |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 21.7 | 5.4 | 27.1 | 1.08 | F | 23.5 | 6.7 | 30.2 | 1.21 | F | |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 17.5 | 6.2 | 23.7 | 0.95 | E | 19.0 | 7.4 | 26.4 | 1.06 | F | |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 17.5 | 19.2 | 36.7 | 1.47 | F | 19.0 | 16.1 | 35.1 | 1.40 | F | |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.3 | 7.2 | 7.5 | 0.30 | Α | 0.5 | 9.6 | 10.0 | 0.40 | В | |
| | Washington - Sassafras | 3-Lane Maior 1-Way | 3U | 25.0 | 12.2 | 13.1 | 25.3 | 1.01 | F | 13.5 | 16.0 | 29.5 | 1.18 | F | |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 12.2 | 11.9 | 24.1 | 0.96 | Е | 13.5 | 18.7 | 32.2 | 1.29 | F | |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 10.6 | 9.5 | 20.1 | 0.80 | D | 11.5 | 16.0 | 27.5 | 1.10 | F | |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 7.9 | 7.9 | 0.32 | A | 0.0 | 13.3 | 13.3 | 0.53 | В | |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 16.8 | 16.8 | 0.67 | С | 0.0 | 21.5 | 21.5 | 0.86 | D | |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 29.2 | 6.7 | 35.9 | 0.90 | E | 31.6 | 6.0 | 37.6 | 0.94 | Е | |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 23.7 | 7.8 | 31.5 | 1.05 | F | 25.7 | 6.9 | 32.6 | 1.09 | F | |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 13.1 | 9.6 | 22.7 | 0.76 | D | 14.2 | 8.0 | 22.2 | 0.74 | D | |
| Pacific Highway | Washington - Sassafras | 6-Lane Maior | 6D | 50.0 | 5.9 | 27.3 | 33.2 | 0.66 | С | 6.6 | 24.3 | 30.9 | 0.62 | С | |
| <u> </u> | Sassafras - Palm | 6-Lane Major | 6D | 50.0 | 8.6 | 21.0 | 29.6 | 0.59 | C | 9.8 | 20.9 | 30.7 | 0.61 | C | |
| | Palm - Laurel | 6-Lane Major | 6D | 50.0 | 8.6 | 21.7 | 30.3 | 0.61 | С | 9.8 | 21.0 | 30.8 | 0.62 | C | |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 2.5 | 22.6 | 25.1 | 0.50 | В | 3.2 | 25.5 | 28.7 | 0.57 | С | |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 6.4 | 23.2 | 29.6 | 0.59 | С | 7.3 | 26.0 | 33.4 | 0.67 | С | |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.9 | 0.9 | 0.11 | Α | 0.0 | 0.3 | 0.3 | 0.04 | Α | |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 6.3 | 9.7 | 16.0 | 1.33 | F | 7.2 | 9.3 | 16.5 | 1.38 | F | |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 3.1 | 9.7 | 12.8 | 1.60 | F | 3.6 | 9.4 | 13.0 | 1.62 | F | |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 5.9 | 18.6 | 24.5 | 0.82 | D | 6.9 | 19.1 | 25.9 | 0.86 | Е | |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 5.2 | 25.5 | 30.7 | 1.02 | F | 5.9 | 28.6 | 34.5 | 1.15 | F | |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 10.6 | 10.2 | 20.8 | 2.60 | F | 11.4 | 7.9 | 19.4 | 2.42 | F | |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 10.6 | 15.4 | 25.9 | 2.16 | F | 11.4 | 12.6 | 24.0 | 2.00 | F | |
| | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 12.0 | 14.6 | 26.6 | 2.22 | F | 12.3 | 15.2 | 27.5 | 2.29 | F | |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 7.3 | 42.4 | 49.7 | 0.99 | E | 7.9 | 34.3 | 42.2 | 0.84 | D | |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U 5U | 40.0 45.0 | 7.3 | 35.4 | 42.7 | 1.07 0.95 | F-E | 7.9 | 31.1 | 39.0 | 0.97 0.87 | E-D | |
| | Nimitz - Quimby | 4-lane Major | 4U | 40.0 | 7.3 | 35.4 | 42.7 | 1.07 | E | 7.9 | <u>31.1</u> | 39.0 | 0.97 | E | |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 13.4 | 8.5 | 21.9 | 0.55 | С | 14.5 | 11.2 | 25.6 | 0.64 | С | |

Source: HNTB, 2007.

Notes:

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio

Table D-117 (continued)
2015 – 2030 Street Segment Operations – Proposed Airport Land Use Plan (2025-2030)

| | | | | | | | Year 2025 | | | | | Year 2030 | | |
|--------------------|-----------------------------|---------------------------|--------------|--------------------------------|----------|-----------------------|--------------------|-----------|------------|-------------------|-----------------------|-----------|------------------|------------|
| Roadway | Segment | Classification | Lanes | LOS E ADT Capacity 1000s | SDIA ADT | Non-SDIA ADT 1000s | Total ADT 1000s | V/C | LOS | SDIA ADT 1000s | Non-SDIA ADT 1000s | Total ADT | V/C | LOS |
| North Harbor Drive | West of NTC | 6-Lane Prime | 6D | 60.0 | 17.9 | 26.7 | 44.6 | 0.74 | C | 23.4 | 28.5 | 51.9 | 0.87 | D |
| THORET FIGURE DIVE | NTC - Spanish Landing | 6-Lane Prime | 6D | 60.0 | 17.9 | 21.8 | 39.7 | 0.66 | C | 22.2 | 23.3 | 45.5 | 0.76 | C |
| | Spanish Landing - T2 Access | 6-Lane Prime | 6D | 60.0 | 16.9 | 18.4 | 35.4 | 0.59 | C | 19.8 | 20.7 | 40.5 | 0.67 | C |
| | T2 Access - Harbor Island | 6-Lane Prime | 4+3 | 65.0 | 35.7 | 18.1 | 53.8 | 0.83 | C | 39.5 | 19.8 | 59.3 | 0.91 | D |
| | Harbor Island - T1 Access | 6-Lane Prime | 3+4 | 65.0 | 34.2 | 20.4 | 54.7 | 0.84 | C | 36.4 | 21.1 | 57.5 | 0.88 | D |
| | T1 Access - Winship | 6-Lane Prime | 5+3 | 70.0 | 50.4 | 20.5 | 70.8 | 1.01 | F | 52.4 | 21.1 | 73.5 | 1.05 | F |
| | Winship - Flyover Merge (1) | 6-Lane Prime | 4+4 | 70.0 | 51.3 | 20.4 | 71.6 | 1.02 | F | 52.7 | 20.9 | 73.6 | 1.05 | F |
| | Rental Car Rd - Laurel | 6-Lane Prime | 6D | 60.0 | 98.9 | 20.9 | 119.7 | 2.00 | F | 99.2 | 21.7 | 120.9 | 2.01 | F |
| | Laurel - Hawthorn | 6-Lane Prime | 6D | 60.0 | 65.5 | 17.5 | 83.1 | 1.38 | F | 68.7 | 18.2 | 87.0 | 1.45 | F |
| | Hawthorn - Grape | 6-Lane Prime | 6D | 60.0 | 41.2 | 14.8 | 56.0 | 0.93 | E | 43.3 | 14.8 | 58.2 | 0.97 | Е |
| Grape Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 21.9 | 9.0 | 30.9 | 1.24 | F | 23.1 | 9.7 | 32.8 | 1.31 | F |
| • | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 20.2 | 18.8 | 39.1 | 1.56 | F | 21.2 | 19.8 | 41.0 | 1.64 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 19.8 | 21.8 | 41.6 | 1.67 | F | 20.9 | 24.7 | 45.6 | 1.82 | F |
| Hawthorn Street | Harbor - Pacific | 3-Lane Major 1-Way | 3U | 25.0 | 24.8 | 7.0 | 31.8 | 1.27 | F | 26.1 | 7.9 | 34.0 | 1.36 | F |
| | Pacific - Kettner | 3-Lane Major 1-Way | 3U | 25.0 | 20.0 | 7.8 | 27.8 | 1.11 | F | 21.1 | 8.7 | 29.8 | 1.19 | F |
| | Kettner - I-5 | 3-Lane Major 1-Way | 3U | 25.0 | 20.0 | 17.2 | 37.2 | 1.49 | F | 21.1 | 19.2 | 40.3 | 1.61 | F |
| Kettner Blvd | north of Washington | 3-Lane Collector 1-Way | 3U | 25.0 | 0.6 | 10.7 | 11.3 | 0.45 | В | 0.7 | 4.2 | 4.9 | 0.19 | Α |
| | Washington - Sassafras | 3-Lane Major 1-Way | 3U | 25.0 | 14.3 | 14.1 | 28.4 | 1.14 | F | 12.5 | 17.4 | 29.9 | 1.20 | F |
| | Sassafras - Palm | 3-Lane Major 1-Way | 3U | 25.0 | 14.3 | 17.2 | 31.4 | 1.26 | F | 12.5 | 14.2 | 26.7 | 1.07 | F |
| | Palm - Laurel | 3-Lane Major 1-Way | 3U | 25.0 | 12.1 | 13.7 | 25.8 | 1.03 | F | 10.6 | 12.6 | 23.1 | 0.92 | E |
| | Laurel - Hawthorn | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 11.0 | 11.0 | 0.44 | В | 0.1 | 11.4 | 11.6 | 0.46 | В |
| | Hawthorn - Grape | 3-Lane Major 1-Way | 3U | 25.0 | 0.0 | 19.9 | 19.9 | 0.80 | С | 0.1 | 21.5 | 21.7 | 0.87 | D |
| Laurel Street | Harbor - Pacific | 4-Lane Major | 4U | 40.0 | 33.3 | 4.0 | 37.3 | 0.93 | E | 30.5 | 4.3 | 34.8 | 0.87 | D |
| | Pacific - Kettner | 4-Lane Collector | 4D | 30.0 | 27.1 | 6.8 | 33.9 | 1.13 | F | 24.4 | 12.1 | 36.5 | 1.22 | F |
| | Kettner - I-5 | 4-Lane Collector | 4D | 30.0 | 15.0 | 8.1 | 23.1 | 0.77 | D | 14.2 | 12.9 | 27.1 | 0.90 | Е |
| Pacific Highway | Washington - Sassafras | 6-Lane Major | 6D | 50.0 | 7.1 | 27.4 | 34.5 | 0.69 | С | 7.3 | 19.1 | 26.3 | 0.53 | В |
| | Sassafras - Palm | 6-Lane Major | 6D | 50.0 | 10.5 | 22.2 | 32.7 | 0.65 | С | 10.4 | 16.3 | 26.7 | 0.53 | В |
| | Palm - Laurel | 6-Lane Major | 6D | 50.0 | 10.5 | 22.0 | 32.5 | 0.65 | С | 10.4 | 15.4 | 25.9 | 0.52 | В |
| | Laurel - Hawthorn | 6-Lane Major | 6D | 50.0 | 3.6 | 27.7 | 31.3 | 0.63 | С | 3.7 | 23.3 | 26.9 | 0.54 | В |
| | Hawthorn - Grape | 6-Lane Major | 6D | 50.0 | 7.9 | 28.1 | 36.0 | 0.72 | С | 8.0 | 24.1 | 32.1 | 0.64 | С |
| Palm Street | Pacific - Kettner | 2-Lane Collector | 2U | 8.0 | 0.0 | 0.1 | 0.1 | 0.01 | Α | 0.0 | -0.6 | -0.6 | -0.08 | Α |
| Sassafras Street | Pacific - Kettner | 3-Lane Collector | 3U | 12.0 | 7.8 | 10.4 | 18.1 | 1.51 | F | 7.7 | 6.1 | 13.8 | 1.15 | F |
| | Kettner-India | 2-Lane Collector | 2U | 8.0 | 3.9 | 9.8 | 13.6 | 1.71 | F | 3.9 | 8.0 | 11.9 | 1.48 | F |
| Washington Street | Pacific - Kettner | 4-Lane Collector | 4U | 30.0 | 7.5 | 18.9 | 26.5 | 0.88 | <u> </u> | 8.2 | 12.7 | 20.9 | 0.70 | D |
| | Kettner - San Diego | 5-Lane Collector | 5D | 30.0 | 6.4 | 28.1 | 34.5 | 1.15 | <u> </u> | 6.8 | 22.5 | 29.4 | 0.98 | E |
| India Street | Laurel - Palm | 2-Lane Collector | 2U | 8.0 | 12.0 | 7.9 | 19.9 | 2.49 | F | 10.5 | 12.6 | 23.1 | 2.89 | F |
| | Palm - Sassafras | 3-Lane Collector | 3U | 12.0 | 12.0 | 12.5 | 24.5 | 2.04 | <u> </u> | 10.5 | 16.5 | 27.0 | 2.25 | F |
| - | Sassafras - Washington | 3-Lane Collector | 3U | 12.0 | 12.7 | 14.7 | 27.4 | 2.28 | F | 12.4 | 21.5 | 33.9 | 2.82 | F |
| Rosecrans | Barnett - Sport Arena | 6-lane Major | 6D | 50.0 | 8.3 | 34.6 | 42.9 | 0.86 | D | 12.8 | 33.7 | 46.6 | 0.93 | E |
| | Nimitz Quimby - Barnett | 4-lane Major 5-lane Major | 4U <u>5U</u> | 40.0 45.0 | 8.3 | 31.3 | 39.6 | 0.99_0.88 | <u>E-D</u> | 12.8 | 29.0 | 41.9 | 1.05 <u>0.93</u> | F <u>E</u> |
| | Nimitz - Quimby | 4-lane Major | <u>4U</u> | 40.0 | 8.3 | <u>31.3</u> | 39.6 | 0.99 | <u>E</u> | 12.8 | 29.0 | 41.9 | <u>1.05</u> | <u> </u> |
| Nimitz | Harbor - Rosecrans | 4-lane Major | 4U | 40.0 | 15.2 | 11.8 | 27.1 | 0.68 | С | 20.7 | 11.7 | 32.4 | 0.81 | D |

Source: HNTB, 2007.

Notes:

(1) Does not include traffic on flyover.

MAP = Million Annual Passengers ADT = Average Daily Traffic LOS = Level of Service V/C = volume-to-capacity ratio **Table D-118** compares the street segment volume to capacity (v/c) ratios under the Land Use Plan against the No Project Alternative to identify traffic impacts based on significance criteria identified in Section D.2 *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.02 for streets operating at LOS E and 0.01 for streets operating at LOS F under the No Project Alternative. The following roadway segments would have potentially significant traffic impacts:

Street Segments with Significant Traffic Impacts

- North Harbor Drive between Rental Car Road and Hawthorn Street, which operates at LOS F
 under both the Land Use Plan and No Project Alternative and experiences an increase in v/c
 ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Grape Street between North Harbor Drive and I-5, which operates at LOS E and F under both
 the Land Use Plan and No Project Alternative and experience an increase in the v/c ratio of
 over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Hawthorn Street between North Harbor Drive and Pacific Highway, which operates at LOS E
 and F under both the Land Use Plan and No Project Alternative and experience an increase
 in the v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Hawthorn Street between Pacific Highway and Kettner Boulevard, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.
- Hawthorn Street between Kettner Boulevard and I-5, which operates at LOS F under both the Land Use Plan and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Kettner Boulevard between Washington Street and Sassafras Street, which operates at LOS
 E and F under both the Land Use Plan and No Project Alternative and experience an
 increase in the v/c ratio of over 0.01 under the Land Use Plan compared to the No Project
 Alternative.
- Kettner Boulevard between Sassafras Street and Palm Street, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.
- Laurel Street between North Harbor Drive and Pacific Highway, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.
- Laurel Street between Pacific Highway and Kettner Boulevard, which operates at LOS E and F under both the Land Use Plan and No Project Alternative and experience an increase in the v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Sassafras Street between Pacific Highway and India Street, which operates at LOS F under both the Land Use Plan and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.
- Washington Street between Kettner Boulevard and San Diego Street, which operates at LOS
 E and F under both the Land Use Plan and No Project Alternative and experience an
 increase in the v/c ratio of over 0.01 under the Land Use Plan compared to the No Project
 Alternative.
- India Street between Laurel Street and Washington Street, which operates at LOS F under both the Land Use Plan and No Project Alternative and experiences an increase in v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.

• Rosecrans Avenue between Barnett Avenue and Nimitz Boulevard, which operates at LOS E and F under both the Land Use Plan and No Project Alternative and experience an increase in the v/c ratio of over 0.01 under the Land Use Plan compared to the No Project Alternative.

Year 2020

- All locations identified in Year 2015, except:
 - Rosecrans Avenue between Barnett Quimby Avenue and Sports Arena Drive, which increased decreased to LOS D under both the No Project Alternative and Land Use Plan due to a decrease in regional background traffic reported in the SANDAG traffic model.
 - Hawthorn Street between Kettner Boulevard and I-5, which operates at LOS F under both the Land Use Plan and No Project Alternative but the impact decreased to a level of insignificance due to a decrease in background traffic and shift in regional distribution.
- North Harbor Drive between Terminal 1 Access and Rental Car Road, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.
- Kettner Boulevard between Palm Street and Laurel Street, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.
- Washington Street between Pacific Highway and Kettner Boulevard, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.

Year 2025

- All locations identified in Year 2020
- North Harbor Drive between Hawthorn Street and Grape Street, which increased from LOS D under the No Project Alternative to LOS E under the Land Use Plan.

- All locations identified in Year 2025 above, except:
 - Laurel Street between North Harbor Drive and Pacific Highway, which improved from LOS E under the Land Use Plan in 2025 to LOS D under the Land Use Plan in 2030 due to a decrease in background traffic and shift in regional distribution.
 - Washington Street between Pacific Highway and Kettner Boulevard, which improved from LOS E under the Land Use Plan in 2025 to LOS D under the Land Use Plan in 2030 due to a decrease in background traffic and shift in regional distribution.
 - Rosecrans Avenue between Quimby Avenue and Sparts Arena Drive, which increased from LOS D under the No Project to LOS E under the Land Use Plan.

Table D-118
2015-2030 Street Segment Impacts – Proposed Airport Land Use Plan

| | | | | Year 2015 | | | | | Year 2020 | | | | | Year 2025 | | | | | Year 2030 | | |
|------------------------|------------------------------------|----------------|----------------|-----------|----------|----------|----------------|----------------|--------------|----------|----------|----------------|----------------|--------------|----------|--------------|----------------|----------------|---------------|----------|----------|
| Roadway | Segment | No Proj V/C | No Proj LOS | Broi V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Broi V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Proj V/C | Proj LOS | Diff V/C | No Proj V/C | No Proj LOS | Broi V/C | Proj LOS | Diff V/0 |
| North Harbor Drive | West of NTC | 0.56 | B | 0.60 | C | 0.05 | 0.66 | C | 0.70 | C | 0.05 | 0.69 | C | 0.74 | C | 0.05 | 0.79 | C | 0.87 | PIOJ LOS | 0.08 |
| NOITH HAIDOI DIIVE | NTC - Spanish Landing | 0.57 | B | 0.54 | B | -0.03 | 0.67 | C | 0.70 | C | -0.03 | 0.09 | C | 0.74 | C | -0.04 | 0.79 | C | 0.87 | C | -0.03 |
| | Spanish Landing - T2 Access | 0.47 | В | 0.52 | В | 0.06 | 0.52 | В | 0.58 | В | 0.06 | 0.70 | В | 0.59 | Č | 0.06 | 0.60 | C | 0.70 | C | 0.07 |
| | T2 Access - Harbor Island | 0.63 | C | 0.72 | C | 0.00 | 0.68 | C | 0.80 | C | 0.00 | 0.70 | C | 0.83 | Č | 0.00 | 0.76 | C | 0.07 | D | 0.07 |
| | Harbor Island - T1 Access | 0.62 | C | 0.74 | C | 0.12 | 0.64 | C | 0.79 | C | 0.14 | 0.68 | C | 0.84 | C | 0.16 | 0.69 | C | 0.88 | D | 0.19 |
| | T1 Access - Winship | 0.83 | Č | 0.89 | Ď | 0.06 | 0.89 | D | 0.95 | Ĕ | 0.07 | 0.93 | Ē | 1.01 | Ē | 0.08 | 0.94 | F | 1.05 | F | 0.11 |
| | Winship - Rental Car Rd | 0.87 | D | 0.90 | D | 0.03 | 0.94 | F | 0.97 | F | 0.03 | 0.98 | F | 1.02 | F | 0.05 | 0.97 | F | 1.05 | F | 0.08 |
| | Rental Car Rd - Laurel | 1.57 | F | 1.79 | F | 0.22 | 1.71 | F | 1.93 | F | 0.22 | 1.75 | F | 2.00 | F | 0.25 | 1.73 | F | 2.01 | F | 0.29 |
| | Laurel - Hawthorn | 1.05 | F | 1.22 | F | 0.17 | 1.14 | F | 1.32 | F | 0.17 | 1.19 | F | 1.38 | F | 0.19 | 1.22 | F | 1.45 | F | 0.23 |
| | Hawthorn - Grape | 0.72 | С | 0.83 | С | 0.11 | 0.78 | С | 0.89 | D | 0.11 | 0.81 | С | 0.93 | Е | 0.12 | 0.82 | С | 0.97 | Е | 0.15 |
| Grape Street | Harbor - Pacific | 0.92 | Е | 1.05 | F | 0.13 | 1.04 | F | 1.17 | F | 0.13 | 1.09 | F | 1.24 | F | 0.14 | 1.13 | F | 1.31 | F | 0.18 |
| | Pacific - Kettner | 1.26 | F | 1.40 | F | 0.13 | 1.37 | F | 1.51 | F | 0.14 | 1.41 | F | 1.56 | F | 0.15 | 1.46 | F | 1.64 | F | 0.18 |
| | Kettner - I-5 | 1.52 | F | 1.64 | F | 0.12 | 1.48 | F | 1.52 | F | 0.04 | 1.53 | F | 1.67 | F | 0.13 | 1.66 | F | 1.82 | F | 0.16 |
| Hawthorn Street | Harbor - Pacific | 0.94 | Е | 1.08 | F | 0.15 | 1.06 | F | 1.21 | F | 0.15 | 1.10 | F | 1.27 | F | 0.17 | 1.16 | F | 1.36 | F | 0.20 |
| | Pacific - Kettner | 0.83 | D | 0.95 | Е | 0.11 | 0.94 | E | 1.06 | F | 0.12 | 0.98 | E | 1.11 | F | 0.13 | 1.03 | F | 1.19 | F | 0.16 |
| | Kettner - I-5 | 1.35 | F | 1.47 | F | 0.11 | 1.46 | F | 1.40 | F | -0.06 | 1.54 | F | 1.49 | F | -0.06 | 1.66 | F | 1.61 | F | -0.05 |
| Kettner Blvd | north of Washington | 0.30 | Α | 0.30 | Α | 0.01 | 0.39 | Α | 0.40 | В | 0.01 | 0.44 | В | 0.45 | В | 0.01 | 0.18 | Α | 0.19 | Α | 0.01 |
| | Washington - Sassafras | 0.94 | Е | 1.01 | F | 0.07 | 1.10 | F | 1.18 | F | 0.08 | 1.04 | F | 1.14 | F | 0.09 | 1.11 | F | 1.20 | F | 0.08 |
| | Sassafras - Palm | 0.90 | D | 0.96 | Е | 0.07 | 1.21 | F | 1.29 | F | 0.07 | 1.17 | F | 1.26 | F | 0.09 | 0.99 | E | 1.07 | F | 0.08 |
| | Palm - Laurel | 0.74 | С | 0.80 | D | 0.07 | 1.03 | F | 1.10 | F | 0.07 | 0.96 | E | 1.03 | F | 0.07 | 0.85 | D | 0.92 | Е | 0.08 |
| | Laurel - Hawthorn | 0.32 | Α | 0.32 | A | 0.00 | 0.54 | В | 0.53 | В | -0.01 | 0.45 | В | 0.44 | В | -0.01 | 0.47 | В | 0.46 | В | -0.01 |
| | Hawthorn - Grape | 0.68 | С | 0.67 | С | -0.01 | 0.87 | D | 0.86 | D | -0.01 | 0.81 | D | 0.80 | С | -0.01 | 0.87 | D | 0.87 | D | -0.01 |
| Laurel Street | Harbor - Pacific | 0.82 | D | 0.90 | Е | 0.08 | 0.87 | D | 0.94 | Е | 0.07 | 0.85 | D | 0.93 | Е | 0.08 | 0.78 | D | 0.87 | D | 0.09 |
| | Pacific - Kettner | 0.97 | E | 1.05 | F | 0.08 | 1.02 | F | 1.09 | F | 0.06 | 1.06 | F | 1.13 | F | 0.07 | 1.13 | F | 1.22 | F | 0.08 |
| | Kettner - I-5 | 0.75 | D | 0.76 | D | 0.01 | 0.75 | D | 0.74 | D | -0.01 | 0.78 | D | 0.77 | D | -0.01 | 0.90 | E | 0.90 | E | 0.01 |
| Pacific Highway | Washington - Sassafras | 0.64 | С | 0.66 | C | 0.02 | 0.59 | С | 0.62 | С | 0.02 | 0.66 | С | 0.69 | С | 0.03 | 0.50 | В | 0.53 | В | 0.03 |
| | Sassafras - Palm | 0.57 | С | 0.59 | C | 0.02 | 0.59 | С | 0.61 | C | 0.02 | 0.62 | С | 0.65 | С | 0.03 | 0.51 | В | 0.53 | В | 0.03 |
| | Palm - Laurel | 0.59 | С | 0.61 | С | 0.02 | 0.59 | С | 0.62 | C | 0.02 | 0.62 | С | 0.65 | С | 0.03 | 0.49 | В | 0.52 | В | 0.03 |
| | Laurel - Hawthorn | 0.50 | В | 0.50 | В | 0.00 | 0.57 | С | 0.57 | C | 0.00 | 0.62 | С | 0.63 | С | 0.01 | 0.54 | В | 0.54 | В | 0.00 |
| Palm Street | Hawthorn - Grape Pacific - Kettner | 0.58 0.11 | C | 0.59 | C | 0.02 | 0.65 0.04 | C | 0.67 0.04 | C | 0.02 | 0.70 0.01 | C A | 0.72 0.01 | C | 0.03 | 0.62 0.01 | C | 0.64 -0.08 | C | -0.09 |
| Sassafras Street | | 1.14 | A | 1.33 | A F | 0.00 | 1.17 | A F | 1.38 | A F | 0.00 | 1.28 | F | 1.51 | A F | | 0.01 | A F | 1.15 | A F | 0.09 |
| Sassairas Sireei | Pacific - Kettner Kettner-India | 1.14 | | 1.60 | F | 0.19 | 1.17 | F | 1.62 | F | 0.21 | 1.53 | F | 1.71 | | 0.23 0.17 | 1.32 | F | 1.15 | - | 0.21 |
| Washington Street | Pacific - Kettner | 0.78 | D | 0.82 | D | 0.14 | 0.82 | D | 0.86 | _ | 0.16 | 0.83 | D | 0.88 | | 0.17 | 0.63 | C | 0.70 | D | 0.16 |
| vv asriiliytoti Street | Kettner - San Diego | 0.78 | E | 1.02 | F | 0.04 | 1.11 | F | 1.15 | F | 0.05 | 1.11 | F | 1.15 | F | 0.06 | 0.63 | E | 0.70 | E | 0.07 |
| India Street | Laurel - Palm | 2.38 | F | 2.60 | F | 0.03 | 2.20 | F | 2.42 | F | 0.04 | 2.25 | F | 2.49 | F | 0.04 | 2.64 | F | 2.89 | F | 0.05 |
| maia oncot | Palm - Sassafras | 2.01 | F | 2.16 | F | 0.22 | 1.86 | F | 2.00 | F | 0.22 | 1.88 | F | 2.43 | F | 0.16 | 2.09 | F | 2.25 | F | 0.23 |
| | Sassafras - Washington | 1.79 | F | 2.22 | F | 0.42 | 1.93 | F | 2.29 | F | 0.36 | 1.93 | F | 2.28 | F | 0.35 | 2.41 | F | 2.82 | F | 0.41 |
| Rosecrans | Barnett - Sport Arena | 0.97 | F | 0.99 | F | 0.42 | 0.82 | D | 0.84 | D | 0.03 | 0.83 | D | 0.86 | D | 0.03 | 0.88 | D | 0.93 | F | 0.41 |
| | Nimitz Quimby - Barnett | 1.03 0.92 | F-E | 1.07 0.95 | ΕE | 0.03 | 0.94 0.84 | E-D | 0.97-0.87 | €D | 0.03 | 0.95 0.85 | €D | 0.99 0.88 | €D | 0.04 0.03 | 0.98-0.87 | €D | 1.05 0.93 | ₽E | 0.06 |
| | Nimitz - Quimby | 1.03 | F | 1.07 | F | 0.03 | 0.94 | E | 0.97 | E | 0.03 | 0.95 | E | 0.99 | E | 0.04 | 0.98 | E | 1.05 | F | 0.06 |
| Nimitz | Harbor - Rosecrans | 0.49 | B | 0.55 | Ċ | 0.06 | 0.58 | Č | 0.64 | Č | 0.06 | 0.61 | C | 0.68 | C | 0.07 | 0.71 | C | 0.81 | D | 0.10 |

Source: HNTB, 2007.

V/C = Volume to capacity ratio LOS = Level of service

Legend:

LOS E LOS F Significant Impact

San Diego International Airport 181 SDIA Master Plan EIR

D.7.3.2 Intersections

Tables D-119, D-120, D-121, D-122, D-123, D-124, D-125, and D-126 show the intersection turning volumes under the Implementation Plan (With Parking Structure) Proposed Airport Land Use Plan for each analysis year. Intersection lane configurations under the No Project Alternative were assumed to remain the same under the Implementation Plan (With Parking Structure) Proposed Airport Land Use Plan. Table D-127 shows the resulting intersection operations. Intersection configurations were assumed to be the same as existing conditions shown in Figure D.3-2 except for the following changes:

- North Harbor Drive and McCain Road is currently an unsignalized intersection with right-in / right-out movements only. In 2010 as part of the Liberty Station Development, this intersection is assumed to be signalized, allowing left turn movements inbound and outbound.
- In 2010, the intersection of North Harbor Drive and Winship Lane would be improved as part of the SDIA CIP to provided exclusive right turn lanes on both inbound and outbound approaches.

Table D-128 compares the intersection delay under the Land Use Plan against the No Project Alternative to identify intersection impacts based on significance criteria identified in Section D.2, measured by an increase to LOS E or F or an increase in vehicle delay of greater than 2 seconds for streets operating at LOS E and greater than 1 second for streets operating at LOS F under the No Project Alternative. The following intersections would have potentially significant traffic impacts due to the project. The following intersections would have significant traffic impacts due to the project:

Intersections with Significant Traffic Impacts

Year 2015

- Hawthorn Street and North Harbor Drive (AM), which deteriorated to LOS F in the AM peak hour under the Land Use Plan.
- Laurel Street and Pacific Highway (PM), which operates at LOS E in the PM peak hour under both the Land Use Plan and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Land Use Plan compared to the No Project Alternative.
- Washington Street and Pacific Highway NB Ramps (AM), which deteriorated to LOS E in the AM peak hour under the Land Use Plan.

- All of the locations identified in year 2015
- Hawthorn Street and North Harbor Drive (PM), which operates at LOS E or F in the AM and PM peak hours under both the Land Use Plan and No Project Alternative and would experience an increase in delay greater than 1 second under the Land Use Plan compared to the No Project Alternative.
- Grape Street and Pacific Highway (PM), which operates at LOS E in the PM peak hour under both the Land Use Plan and No Project Alternative and would experience an increase in delay greater than 2 seconds under the Land Use Plan compared to the No Project Alternative.
- Grape Street and Kettner Boulevard (PM), which operates at LOS E in the PM peak hour under both the Land Use Plan and No Project Alternative and would experience an increase

- in delay greater than 2 seconds under the Land Use Plan compared to the No Project Alternative.
- Sassafras Street and Kettner Boulevard (PM), which operates at LOS F in the PM peak hour under both the Land Use Plan and No Project Alternative and would experience an increase in delay greater than 1 second under the Land Use Plan compared to the No Project Alternative.
- Washington Street and Pacific Highway NB Ramps (PM), which operates at LOS E F in the PM peak hour under both the Land Use Plan and No Project Alternative and would experience an increase in delay greater than 1 second under the Land Use Plan compared to the No Project Alternative.

Year 2025

• All of the locations identified in Year 2020

- All locations identified in Year 2025, except:
 - Washington Street and Pacific Highway NB Ramps (AM), which increased to LOS D in the AM Peak hour under both the No Project Alternative and Land Use Plan due to a decrease in regional background traffic as reported in the SANDAG traffic mode.
- Grape Street and I-5 Southbound On-Ramp (PM), which operates at LOS F in the PM peak
 hour under both the Land Use Plan and No Project Alternative and would experience an
 increase in delay greater than 1 second under the Land Use Plan compared to the No Project
 Alternative.

Table D-119 2015 Intersection Turning Volumes – AM Peak Hour – Proposed Airport Land Use Plan

| North Harbor Drive / Nimitz Blvd | EBR WBB 0 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 687 36 651 854 162 692 1,619 220 1,389 696 1,383 2,734 1,177 1,557 0 2,822 1,265 1,557 0 0 0 75 50 8 194 1,1025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 166 166 0 253 | Total 2,308 579 1,779 2,448 705 1,743 2,670 662 2,008 3,563 1,282 2,281 4,045 5,588 3,404 2,184 589 162 427 1,531 4,155 2,531 1,561 4,155 2,531 1,562 4,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,154 4,155 2,155 |
|--|--|--|---|---|
| Background | 0 8 8 0 0 0 0 0 0 0 0 5 16 65 177 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 651 854 162 692 1,619 1,619 696 1,389 3,2,734 1,177 1,557 0 2,8222 1,265 1,557 0 0 0 0 75 50 3 194 3 0 2,234 1,177 0 2,822 1,557 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 169 425 69 356 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,729 2,448 705 1,743 2,670 662 2,008 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 5,588 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,155 2,156 2,15 |
| Total | 0 0 0 0 0 5 16 16 16 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 854 162 692 1,619 220 1,399 696 4,1,383 2,734 1,177 1,557 0, 2,822 0, 1,265 1,557 0, 0 0, 75 50 1,94 1 | 425 69 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2,448 705 1,743 2,670 662 2,008 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 162 4,247 163 162 4,045 163 164 175 175 175 175 175 175 175 175 |
| Airport 0 0 0 57 0 86 12 319 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 162 692 1,619 220 1,389 3 2,079 3 2,079 3 1,383 2,734 1,177 1,557 0 0 0 0 75 2,822 0 1,265 1,557 0 0 0 0 0 0 1,383 2,734 1,177 1,557 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 69 356 0 0 0 0 0 0 166 0 253 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 705 1,743 2,670 662 2,008 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 5,589 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,025 4,02 |
| Background December Spanish Landing Total Section Sect | 0 0 0 0 5 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 692 1,619 220 1,339 696 1,383 2,734 1,177 0,2,822 1,265 1,557 0 0 0 75 50 8 1,343 1,177 0 0 0 0 75 50 8 1,20 1, | 356 0 0 0 0 0 0 166 166 0 253 253 0 0 0 0 1 1 1 0 65 0 39 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,743 2,670 662 2,008 3,563 1,282 2,281 4,045 1,881 2,184 5,588 3,404 2,184 162 427 294 164 130 2,178 647 1,531 4,155 4,156 4,045 2,184 1,861 1, |
| Total 5 0 18 56 0 10 99 842 | 5 166 5 166 5 17.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,619 1,619 220 1,399 3 2,079 696 696 4 1,383 1,177 1,557 0 2,822 0 1,265 1,557 50 0 0 75 50 3 194 194 3 0 2,233 1,207 1,025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 166 166 0 253 253 0 0 0 1 1 1 1 0 65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2,670 662 2,008 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 162 427 294 164 130 2,178 647 1,531 4,155 2,158 4,178 647 1,551 4,155 2,158 4,158 4,178 6,158 6,17 |
| Airport O O O O Se O O O O O O Se Se | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 220 1,399 8 2,079 696 4 1,383 2,734 1,177 1,557 0 2,822 1,557 0 0 0 75 50 3 194 3 0 2,232 1,207 1,207 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 166 166 0 253 253 253 0 0 0 1 1 1 0 65 0 65 39 0 0 85 90 90 90 90 90 90 90 90 90 90 90 90 90 | 662 2,008 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 589 162 427 294 130 2,178 647 1,531 4,155 4,155 4,155 4,155 4,022 2,184 |
| Total | 86 244 21 68 65 17 0 0 0 0 0 0 0 0 0 57 30 67 30 0 0 0 0 0 0 27 0 | 8 2,079 696 1,383 2,734 1,177 1,557 0 2,822 1,265 1,557 0 0 0 0 75 525 50 8 194 1 94 1 | 0 0 166 166 253 253 0 0 0 1 1 1 0 65 39 0 0 65 39 1,367 | 3,563 1,282 2,281 4,045 1,861 2,184 5,588 3,404 5,588 3,404 162 427 294 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Airport 12 5 45 40 10 72 78 234 | 21 665 177-0 65 177-0 0 0 0 0 0 0 0 0 0 57 300-57 300-0 27 0 0 0 27 0 0 0 0 0 0 0 27 0 | 696 1,383 2,734 1,177 1,557 0,2,822 0,1,265 1,557 0 0 0 75 25 50 0 1,265 1,265 1,265 3 1,27 1,27 1,207 1,2 | 0 0 166 166 0 253 253 0 0 0 0 1 1 0 65 39 0 0 65 39 2,263 0 0 65 39 1,367 | 1,282 2,281 4,045 1,861 2,184 5,588 3,404 2,184 589 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,125 2,128 |
| Background 32 0 109 0 0 0 0 518 | 65 17.4 0 0 0 0 0 0 0 0 0 0 0 0 57 300 57 300 57 300 27 0 0 0 27 0 0 0 0 0 0 24 44 244 0 | 1 1,383 2,734 1,177 1,557 0 2,822 0 1,265 1,557 0 0 0 0 75 50 3 194 194 3 0 2,232 1,207 1,025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 166 166 0 253 253 0 0 0 0 1 1 1 0 65 0 65 39 0 2,266 899 | 2,281 4,045 1,861 2,184 5,588 3,404 2,184 589 162 427 294 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Total 0 0 0 84 0 114 90 857 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2,734 1,177 1,557 1,557 0 2,822 1,265 1,557 0 0 0 75 25 50 3 194 194 3 0 2,232 1,207 1,025 0 0 0 0 | 166 166 0 253 253 0 0 0 0 1 1 1 0 65 0 65 0 39 0 2,266 899 | 4,045 1,861 2,184 5,588 3,404 2,184 589 162 427 294 164 130 647 1,551 4,155 2,593 1,562 4,022 2,128 |
| Second S | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,177 1,557 0 2,822 0 1,265 1,557 0 0 0 75 50 3 194 3 0 2,232 1,207 1,025 0 0 0 0 | 166 0 253 253 0 0 0 1 1 1 0 65 0 65 39 0 2,266 899 1,367 | 1,861 2,184 5,588 3,404 2,184 589 162 427 294 164 130 2,178 647 1,531 1,562 4,022 2,128 |
| Background 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,557 0 2,822 0 1,265 1,557 0 0 0 75 25 50 8 194 194 8 0 2,232 1,207 1,025 0 0 0 0 0 0 0 0 | 0 253 253 0 0 0 0 1 1 1 0 65 0 65 39 0 2,266 899 | 2,184 5,588 3,404 2,184 589 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Total 38 0 200 118 0 40 66 1,695 | 57 3000 57 3000 0 0 0 0 27 0 | 0 2,822 0 1,265 1,557 0 0 0 75 25 50 8 194 8 0 2,232 1,207 1,025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 253 253 0 0 0 0 1 1 1 0 65 0 65 39 0 2,266 899 1,367 | 5,588 3,404 2,184 589 162 427 294 164 130 2,178 647 1,551 4,155 2,593 1,562 4,022 2,128 |
| Airport 38 0 200 118 0 40 65 1,068 | 67 300 0 0 0 0 0 0 27 0 | 0 1,265 1,557 0 0 0 75 25 50 3 194 194 3 0 0 2,232 1,207 1,025 0 0 | 253 0 0 0 0 1 1 0 65 39 0 39 0 2,266 899 1,367 | 3,404 2,184 589 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Background | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1,557 0 0 0 75 25 50 8 194 194 8 0 2,232 1,207 1,025 0 0 0 0 | 0 0 0 0 1 1 0 65 0 65 39 0 2,266 899 | 2,184 589 162 427 294 164 130 2,178 647 1,531 4,155 2,593 4,022 2,128 |
| Sheraton / Harbor Island Drive Airport 0 62 0 0 100 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 75 25 50 8 194 194 8 0 2,232 1,207 1,025 0 0 0 | 0 0 1 1 0 65 0 65 39 0 39 2,266 899 1,367 | 162 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Background 13 57 0 0 140 99 85 6 6 | 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 75 25 50 8 194 3 0 2,232 1,207 1,025 0 0 0 0 | 0 1 1 0 65 0 65 39 0 39 2,266 899 | 427 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Second Content Conte | 0 0 0 0 0 0 44 244 44 0 0 0 0 0 0 0 0 0 0 0 0 7 0 79 0 | 75 25 50 3 194 3 0 2,232 1,207 1,025 0 0 0 0 | 1 0 65 0 65 39 0 39 2,266 899 1,367 | 294 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| 8 Employee Lot / Harbor Island Drive Airport 0 0 0 0 38 82 18 9 Sassafras Street / Pacific Highway Total 90 624 86 56 672 14 6 79 Airport 90 105 0 0 115 14 6 79 Background 0 519 86 56 557 0 0 0 10 Laurel Street / North Harbor Drive Airport 0 0 0 0 4492 1,362 Airport 0 0 0 0 0 0 472 914 11 Hawthorn Street / North Harbor Drive Background 0 0 0 0 0 0 0 0 448 20 448 11 Hawthorn Street / North Harbor Drive Background 0 376 0 0 1,294 0 0 0 12 Grape Street / Nort | 0 0 0 0 0 0 44 244 0 0 0 0 0 0 0 0 0 0 0 | 25 50 3 194 194 3 0 2,232 1,207 1,025 0 0 0 0 0 | 1 0 65 0 65 39 0 2,266 899 1,367 | 164 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Background 0 0 0 0 0 0 0 0 0 | 0 0 0 444 244 44 0 0 244 0 0 0 0 0 0 0 0 | 50 8 194 194 8 0 2,232 1,207 1,025 0 0 0 0 | 0 65 0 65 39 0 2,266 899 1,367 | 130 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| 9 Sassafras Street / Pacific Highway Possible Pacific Highway Total 90 624 86 56 672 14 6 79 Airport 90 105 0 0 115 14 6 79 Background 0 519 86 56 557 0 0 0 0 Total 0 0 0 26 0 4 492 1,362 Airport 0 0 0 0 26 0 4 492 1,362 Airport 0 0 0 0 26 0 4 20 448 Total 0 376 0 0 1,294 0 0 0 0 Airport 0 308 0 0 914 0 0 0 0 Background 0 308 0 0 914 0 0 0 0 Background 0 308 0 0 0 914 0 0 0 0 Total 0 376 0 0 1,294 0 0 0 0 Background 0 308 0 0 914 0 0 0 0 Background 0 308 0 0 380 0 0 0 0 Background 0 308 0 0 380 0 0 0 0 Background 0 308 117 981 568 0 0 0 0 Total 0 318 117 981 568 0 0 0 0 Airport 0 308 117 981 568 0 0 0 0 Airport 0 308 117 981 568 0 0 0 Total 41 409 101 97 321 432 115 613 Airport 0 86 0 4 37 119 101 371 Background 41 323 101 93 284 313 14 242 | 44 24i 44 0 0 24i 0 0 0 0 0 0 0 0 0 0 79 0 0 0 0 0 25 0 70 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 194 194 3 0 2,232 1,207 1,025 0 0 0 | 65 0 65 39 0 39 2,266 899 1,367 | 2,178 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| 9 Sassafras Street / Pacific Highway | 44 0 0 24i 0 0 0 0 0 0 0 0 0 0 0 7 0 79 0 0 0 0 0 0 0 0 0 2 51 | 194 3 0 2,232 1,207 1,025 0 0 0 0 | 0 65 39 0 39 2,266 899 1,367 | 647 1,531 4,155 2,593 1,562 4,022 2,128 |
| Background 0 519 86 56 557 0 0 0 | 0 244 0 0 0 0 0 0 0 0 0 0 86 0 7 0 79 0 | 3 0 2,232 1,207 1,025 0 0 0 0 | 65 39 0 39 2,266 899 1,367 | 1,531 4,155 2,593 1,562 4,022 2,128 |
| Total 0 0 0 26 0 4 492 1,362 | 0 0 0 0 0 0 0 0 7 0 79 0 0 0 0 0 0 0 0 0 | 2,232 1,207 1,025 0 0 0 0 0 | 39 0 39 2,266 899 1,367 | 4,155 2,593 1,562 4,022 2,128 |
| 10 Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 472 914 | 0 0 0 0 0 86 0 7 0 79 0 0 0 0 0 0 2 51 0 0 | 1,207 1,025 0 0 0 0 0 | 0 39 2,266 899 1,367 | 2,593 1,562 4,022 2,128 |
| Total 0 376 0 0 1,294 0 0 0 0 | 0 86 0 7 0 79 0 0 0 0 0 0 2 51 0 0 | 0 0 0 0 | 2,266 899 1,367 | 4,022 2,128 |
| 11 Hawthorn Street / North Harbor Drive Airport 0 308 0 0 914 0 0 0 0 | 0 7 0 79 0 0 0 0 0 0 0 0 2 51 0 0 | 0 0 0 0 | 899 1,367 | 2,128 |
| Background 0 68 0 0 380 0 0 0 0 | 0 79 0 0 0 0 0 0 0 0 2 51 0 0 | 0 0 0 | 1,367 | |
| Total 0 318 117 981 588 0 0 0 0 | 0 0 0 0 0 0 2 51 0 0 | 0 0 0 | | 1,894 |
| 12 Grape Street / North Harbor Drive Airport 0 308 14 609 313 0 0 0 0 | 0 0 0 0 2 51 0 0 | 0 | . () | |
| Background 0 10 103 372 255 0 0 0 0 | 0 0 2 51 0 0 | 0 | 0 | 1,984 1,244 |
| Total 41 409 101 97 321 432 115 613 13 | 2 51 0 0 | | 0 | 740 |
| 13 Laurel Street / Pacific Highway Airport 0 86 0 4 37 119 101 371 Background 41 323 101 93 284 313 14 242 | 0 0 | 848 | 69 | 3,099 |
| Background 41 323 101 93 284 313 14 242 | | 491 | 9 | 1,218 |
| | | 357 | 60 | 1,881 |
| Total 167 270 0 0 191 62 0 0 | 0 26 | | 88 | 3,182 |
| 14 Hawthorn Street / Pacific Highway Airport 167 85 0 0 30 7 0 0 | 0 0 | 732 | 1 | 1,022 |
| Background 0 185 0 0 161 55 0 0 | 0 26 | | | 2,160 |
| Total 0 703 182 170 946 0 77 992 | 43 0 | 0 | 0 | 3,113 |
| 15 Grape Street / Pacific Highway Airport 0 238 0 0 29 0 14 566 | 43 0 0 0 | 0 | 0 | 890 2,223 |
| Total 0 0 0 257 355 713 0 718 | 49 44 | 252 | 0 | 2,388 |
| 16 Laurel Street / Kettner Boulevard Airport 0 0 0 0 0 444 0 375 | 0 0 | 56 | 0 | 875 |
| Background 0 0 0 257 355 269 0 343 | 49 44 | 196 | 0 | 1,513 |
| Total 0 0 0 169 90 0 0 | 0 17 | | | 3,382 |
| 17 Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 0 0 0 0 | 0 0 | 732 | 0 | 732 |
| Background 0 0 0 169 90 0 0 | 0 17: | | 0 | 2,650 |
| Total 0 0 0 103 524 0 0 1,535 | 101 0 | 0 | 0 | 2,263 |
| 18 Grape Street / Kettner Boulevard Airport 0 0 0 0 0 0 0 554 | 12 0 | 0 | 0 | 566 |
| Background 0 0 0 103 524 0 0 981 | 89 0 | 0 | 0 | 1,697 1.977 |
| Total 77 102 87 0 0 0 43 438 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 4 | 1,230 0 550 0 | 0 | 0 | 554 |
| Background 77 102 87 0 0 0 43 434 | 680 0 | 0 | 0 | 1,423 |
| Total 48 46 0 0 0 0 0 0 | 0 0 | 2,678 | | 2,849 |
| 20 Hawthorn Street / I-5 Northbound Off-Ramp Airport 0 0 0 0 0 0 0 0 | 0 0 | 727 | 0 | 727 |
| Background 48 46 0 0 0 0 0 0 0 | 0 0 | 1,951 | 77 | 2,122 |
| Total 54 133 23 0 0 0 588 392 | 0 0 | 272 | 231 | 1,693 |
| 21 Laurel Street / India Street | 0 0 | 56 | 0 | 431 |
| Background 54 133 23 0 0 0 252 353 Total 0 0 0 115 1,412 399 0 77 | 0 0 | 216 | 231 | 1,262 |
| Total 0 0 0 115 1,412 399 0 77 | 70 139 40 0 | 97 97 | 0 | 2,365 716 |
| 22 Sassailas Sueet / Retirier Boulevalu | 30 13 | | 0 | 1,649 |
| Total 244 979 12 0 0 0 126 28 | 58 0 | 34 | 22 | 1,503 |
| 23 Sassafras Street / India Street Airport 97 336 0 0 0 0 39 0 | 0 0 | 0 | 0 | 472 |
| Background 147 643 12 0 0 0 87 28 | 58 0 | 34 | 22 | 1,031 |
| Total 0 0 0 200 35 58 0 73 | 41 18 | | 0 | 830 |
| 24 Washington Street / Pacific Highway SB-Ramps Airport 0 0 0 0 0 1 0 36 | 14 97 | 100 | 0 | 248 |
| Background 0 0 0 200 35 57 0 37 | 27 88 | | 0 | 582 |
| | 255 42 | | 53 | 1,272 |
| | 36 169 219 258 | | 53 | 302 970 |
| Total 0 307 119 351 463 0 358 167 | 156 0 | 0 | 0 | 1,921 |
| 26 Washington Street / Hancock Street Airport 0 88 17 0 135 0 0 0 | 34 0 | 0 | 0 | 274 |
| Background 0 219 102 351 328 0 358 167 | 122 0 | 0 | 0 | 1,647 |
| Total 106 649 0 0 588 553 0 0 | 0 21 | | 8 | 2,345 |
| 27 Washington Street / San Diego Avenue Airport 17 71 0 0 101 0 0 | 0 34 | 0 | 0 | 223 |
| Background 89 578 0 0 487 553 0 0 | 0 18 | | 8 | 2,122 |
| Total 237 177 263 116 171 72 64 184 | 151 31 | | 89 | 1,994 |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 11 0 4 1 1 2 | 0 15 | | 0 | 39 |
| Background 237 174 252 116 167 71 63 182 | 151 30: | | 89 | 1,955 |
| 29 RosecransStreet / Nimitz Boulevard Total 16 140 120 14 142 15 155 671 Airport 0 97 115 0 128 0 0 0 | 30 15 0 15 | | 40 0 | 2,128 492 |
| Background 16 43 5 14 14 15 155 671 | 30 6 | 627 | 40 | 1,636 |
| Source: HNTB, 2007 | 00 0 | 021 | - +0 | .,000 |

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl ebt

25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 ebl

Table D-120 2015 Intersection Turning Volumes – PM Peak Hour – Proposed Airport Land Use Plan

| Text Text | | | | | , | _ | | | | | | | | | | |
|--|--------------|---|------------|-----|-------|-----|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----------|
| North Harbor Driver / Micros Stude Register 0 0 0 0 0 0 0 0 0 | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| Bestevent 0 0 0 0 0 0 0 0 0 | | | | _ | | _ | | _ | | | | | | | | |
| North Harbor Drive / McCam St | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| North Habbor Dine? Assert Landing Agent 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 303 | 0 | 55 | 44 | 645 | 0 | 17 | 638 | 706 | 2,408 |
| North Habbor Dine? Assert Landing Agent 0 0 0 0 0 0 0 0 0 | | | Total | 0 | 0 | 0 | 510 | 0 | 256 | 39 | 1.052 | 0 | 0 | 1.090 | 111 | 3.058 |
| Reservent | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Direc Spanish Lunding | | | | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Agront 0 0 0 0 20 0 20 0 20 0 | | | | | | | | | | | | | | | | |
| Bedgepord 7, 0, 2, 50 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Drive Harbor Island Drive Report 13 4 50 69 68 1,852 33 671 1,172 0 1,539 | · · | Horar Harbor Brive / Opariish Landing | | | | | | | | | | | | | | |
| Morth Herbor Drive / Harbor Island Drive Appert 13 4 59 64 7 79 56 433 20 61 502 0 1,308 | | | | | | | | | | | | | | | | |
| Secure Column C | | | | | | | | | | | | | | | | |
| North Harbor Drive Wrething Lane Arroy Arroy 0 0 0 103 0 125 86 2124 0 0 2779 129 24 8465 | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| Amport O | | | | | | | | | | | | | | | | |
| Besignord 0 0 0 0 0 0 0 0 0 | | | Total | | | | | | | | | | | | | |
| North Harbor Direw Reintal Car Road Angeon 10 0 207 318 0 81 57 2892 77 400 2276 193 6.812 1 | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 103 | 0 | 125 | 85 | 351 | 0 | 0 | 1,029 | 129 | 1,822 |
| North Habroc Drive Rental Car Road Alpport 51 0 207 318 0 318 57 1,119 77 400 1028 133 3.592 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,773 | 0 | 0 | 1,250 | 0 | 3,023 |
| North Habroc Drive Rental Car Road Alpport 51 0 207 318 0 318 57 1,119 77 400 1028 133 3.592 | | | Total | 51 | 0 | 267 | 318 | 0 | 81 | 57 | 2,892 | 77 | 400 | 2,276 | 193 | 6,612 |
| Sheraton Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | 0 | | | | | | | | | | | |
| Total 10 Sheraton / Harbor Island Drive Arpontol 10 10 10 10 10 10 10 1 | | | | | | | | | | | | | | | | |
| Sheraton Herbor Island Drive | | | | | | | | | | | | | | | | |
| Background 32 353 0 0 451 70 77 27 2 50 0 0 1,001 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendergoord Foliat Column Foliat Column Column Foliat Column Colum | , | Griciatori / Harbor Island Drive | | _ | | | | | | _ | | | | | | |
| Bedingstand Dive Parish | | | | | | | | | | | | | | | | |
| Sassafras Steet / Pacific Highway | | Freedom of all (Harbord State of British | | | | | | | | | | | | | | |
| Part | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Arport 71 115 0 0 10 11 11 11 16 71 0 147 0 673 | | | | | | | | | | | | | | | | |
| Bedground | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 76 0 11 1,270 2,324 0 0 1,999 102 5,782 | 9 | Sassafras Street / Pacific Highway | Airport | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Arport 0 0 0 76 0 11 1,270 2,324 0 0 1,999 102 5,782 | | | Background | 0 | 941 | 424 | 150 | 1,059 | 0 | 0 | 0 | 0 | 202 | 0 | 54 | 2,830 |
| Laurel Street / North Harbor Drive Airport 0 | | | Total | 0 | 0 | 0 | 76 | 0 | 11 | 1,270 | 2,324 | 0 | 0 | 1,999 | 102 | 5,782 |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Arport 0 274 0 0 0 1,129 0 0 0 0 5 0 799 2,207 | | | | | | | | | | | | | | | | |
| Beskground 0 393 0 0 1,329 0 0 0 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total O 727 261 1,392 1,202 O O O O O O O O 0 0 | '' | Hawaliotti Galeet/ Notali Halbot Dilve | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Airport 0 274 10 747 388 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background | 40 | O Ota at / Nath Hade of Drive | | | | | | | | | | | | | | |
| Total 131 726 771 164 653 645 627 844 62 66 665 65 4,738 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Laurel Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background 131 662 171 158 497 344 411 385 62 56 529 79 3,485 141 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | Airport | 0 | 64 | 0 | 6 | 56 | 110 | 116 | 459 | 0 | 0 | 436 | 6 | 1,253 |
| Hawthorn Street / Pacific Highway Airport 149 64 0 0 51 5 0 0 0 0 650 1 920 | | | Background | 131 | 662 | 171 | 158 | 497 | 344 | 411 | 385 | 62 | 56 | 529 | 79 | 3,485 |
| Hawthorn Street / Pacific Highway Airport 149 64 0 0 51 5 0 0 0 0 650 1 920 | | | Total | 190 | 712 | 0 | 0 | 638 | 57 | 0 | 0 | 0 | 152 | 1,304 | 86 | 3,139 |
| Background 41 648 0 0 587 522 0 0 0 152 654 85 2219 | 14 | Hawthorn Street / Pacific Highway | Airport | 149 | 64 | 0 | 0 | 51 | 5 | 0 | 0 | 0 | 0 | | 1 | 920 |
| Total | | g , | | | | | | | 52 | | | | | | 85 | |
| Airport | | | | | | | | | | | | | | | | |
| Background O 604 504 279 569 O 47 1,237 O O O O 3,240 | 15 | Grane Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 1 | 15 | Grape Street / Facility Highway | | | | | | | | | | | | | | |
| Background Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 3 11 664 372 0 581 66 61 249 0 2.324 Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 40 | Laurel Charat / Kattana Baulaunan | | | | | | | | | | | | | | |
| Total O O O O 441 79 O O O C13 1,738 O 2,471 | 16 | Laurer Street / Kettrier Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Deckground Dec | | | Total | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 650 | 0 | 650 |
| Airport 0 0 0 0 0 0 0 0 0 | | | Background | 0 | 0 | 0 | 0 | 441 | 79 | 0 | 0 | 0 | 213 | 1,088 | 0 | 1,821 |
| Background O O O Z51 553 O O Z776 B22 O O O O 3,682 | | | Total | 0 | 0 | 0 | 251 | 553 | 0 | 0 | 3,461 | 101 | 0 | 0 | 0 | 4,366 |
| Background O O O D D D D D D D | 18 | Grape Street / Kettner Boulevard | | 0 | 0 | 0 | | | 0 | 0 | 685 | 19 | 0 | 0 | 0 | 704 |
| Total 117, 223 218 0 0 0 0 26 542 2.347 0 0 0 0 3.473 | | · | Background | 0 | | | | | | | | | | | | |
| Septembound On-Ramp (1) | | | | 117 | | | | | | | | | | | | |
| Background | 19 | Grane Street / I-5 Southhound On-Ramn (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | | Grapo Grader i o Godribodina Gri Marrip (1) | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp Background 39 61 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background Say 20 | Heathern Chart / LE Northbarred Off Dame | | | | | | | | | | | | | | |
| Total | 20 | nawthorn Street / 1-5 Northbound On-Ramp | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background | ٠. | 1 | | | | | | | | | | | | | | |
| Total | 21 | Laurei Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kethner Boulevard Airport 0 0 0 0 0 394 73 0 73 74 0 74 0 688 | | | | | | | | | | | | | | | | |
| Sackground Color | | | | | | | | | | | | | | | | |
| Total 218 1,653 36 0 0 0 316 69 126 0 15 18 2,451 | 22 | Sassafras Street / Kettner Boulevard | Airport | 0 | | | | 394 | | | 73 | | | | 0 | |
| Total 218 1,653 36 0 0 0 316 69 126 0 15 18 2,451 | | | Background | 0 | 0 | 0 | 189 | 1,524 | 229 | 0 | 183 | 50 | 97 | 61 | 0 | 2,333 |
| Sassafras Street India Street Airport 74 415 0 0 0 0 73 0 0 0 0 0 562 | | | | 218 | 1,653 | 36 | | | | | | | | | 18 | |
| Background 144 1,238 36 0 0 0 243 69 126 0 15 18 1,889 | 23 | Sassafras Street / India Street | | | | | | | 0 | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background O O O S27 S3 11 O 203 42 158 37 O 1,031 | 24 | Washington Street / Pacific Highway SR-Ramps | | n | | | | | 1 | | | | | | | |
| Total 55 36 289 63 60 8 60 15 640 409 234 66 1,935 | | | | ň | _ | _ | - | _ | 11 | | | | | | - | |
| Airport 20 | | | | | | | | | | | | | | | | |
| Background 35 36 200 63 60 8 60 15 612 272 234 66 1,661 | 25 | Weshington Street / Basifie Hill-burn ND Berner (1) | | | | | | | | | | | | | | |
| Total 0 755 175 376 450 0 562 335 166 0 0 0 0 2,819 | ∠5 | vvasnington Street / Pacific Highway NB-Ramps (1) | | | | | | | | _ | | | | | | |
| 26 Washington Street / Hancock Street Airport 0 103 13 0 112 0 0 0 25 0 0 0 253 Background 0 652 162 376 338 0 562 335 141 0 0 0 2,566 Washington Street / San Diego Avenue Total 204 1,282 0 0 620 504 0 0 211 304 18 3,143 Airport 13 90 0 0 88 0 0 0 25 0 0 211 304 18 3,143 Background 191 1,192 0 0 88 0 0 0 0 25 0 0 216 Background 191 1,192 0 0 532 504 0 0 0 186 304 18 239 Potal 418 | | | | | | | | | | | | | | | | |
| Background O 652 162 376 338 O 562 335 141 O O O 0 2,566 | | | | | | | | | | | | | | | | |
| Total 204 1,282 0 0 0 620 504 0 0 0 211 304 18 3,143 | 26 | Washington Street / Hancock Street | | | | | | | | _ | | | | | | |
| Total 204 1,282 0 0 620 504 0 0 0 211 304 18 3,143 | | | | 0 | | 162 | 376 | 338 | 0 | 562 | 335 | 141 | | 0 | 0 | 2,566 |
| Airport 13 90 0 0 88 0 0 0 0 25 0 0 216 | | | | 204 | 1,282 | 0 | 0 | 620 | 504 | 0 | 0 | 0 | 211 | 304 | 18 | 3,143 |
| Background 191 1,192 0 0 532 504 0 0 0 186 304 18 2,927 Total 418 342 759 141 164 79 119 485 180 260 316 134 3,937 Rosecrans Street / Pacific Highway Airport 0 4 14 0 0 4 1 1 1 2 0 13 2 0 41 Background 418 338 745 141 160 78 118 483 180 247 314 134 3,356 Total 18 237 162 11 125 11 348 852 34 223 643 52 2,716 RosecransStreet / Nimitz Boulevard Airport 0 119 1412 0 111 348 852 34 88 643 52 2,207 | 27 | Washington Street / San Diego Avenue | Airport | 13 | 90 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 216 |
| Total 418 342 759 141 164 79 119 485 180 260 316 134 3.397 | | - · · | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 14 0 4 1 1 2 0 13 2 0 41 Background 418 338 745 141 160 78 118 483 180 247 314 134 3,356 7 total 18 237 162 11 125 11 348 852 34 223 643 52 2,716 Airport 0 119 142 0 113 0 0 0 0 135 0 0 509 Background 18 118 20 11 12 11 348 852 34 88 643 52 2,207 | | | | | | | | | | | | | | | | |
| Background 418 338 745 141 160 78 118 483 180 247 314 134 3,356 Total 18 237 162 11 125 11 348 852 34 223 643 52 2,716 RosecransStreet / Nimitz Boulevard | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 18 237 162 11 125 11 348 852 34 223 643 52 2.716 Airport 0 119 142 0 113 0 0 0 0 135 0 0 509 Background 18 118 20 11 12 11 348 852 34 88 643 52 2.207 | 20 | 11030014113 Offeet / Facility Flightway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 119 142 0 113 0 0 0 0 135 0 0 509 Background 18 118 20 11 12 11 348 852 34 88 643 52 2,207 | | | | | | | | | | | | | | | | |
| Background 18 118 20 11 12 11 348 852 34 88 643 52 2,207 | 20 | BosograpaStroot / Nimita Bandanand | | | | | | | | | | | | | | |
| | 29 | Rosecransoureet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | Background | 18 | 118 | 20 | 11 | 12 | 11 | J48 | 852 | 34 | 88 | 643 | 52 | 2,207 |
| | Source: HNTE | 3, 2007 | | _ | _ | | | | | | | | | | _ | · <u></u> |

Source: INT IB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl eb
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 et

ebl ebt sbl sbr2 sbr ebl2 ebl

Table D-121 2020 Intersection Turning Volumes – AM Peak Hour – Proposed Airport Land Use Plan

| North Harbor Driver / March State Partic | | | | | | | | | | | | | | | | |
|--|------|--|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 1 | Int# | | | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| September Sept | | New York Control of the Control of t | | _ | | | | _ | | | | | | | | |
| North Harbor Drive McCarl St | 1 | North Harbor Drive / Nimitz Bivd | | | | | | | | | | | | | | |
| Appendix | | | | | | | | | | | | | | | | |
| North Hartor Drine / Spanish Landing State • | North Harbar Drive / McCaia Ct | | | | | | | | | | | | | | |
| North Harbor Driver / Spenish Landing | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Amount A | | | | | | | | | | | | | | | | |
| Booksymon Section Se | 2 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| A | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| ## North Harbor Chine / Harbor Island Drive Apport 13 0 17 43 11 79 84 251 21 69 770 0 35 35 22 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 25 69 770 0 35 35 35 35 35 35 35 | | | | | | | | | | | | | | | | |
| Besignord 33 0 113 0 0 0 0 575 72 181 1,452 0 2,454 0 1 0 0 0 0 0 0 0 0 | | North Harbas Drive / Harbas Jaland Drive | | | | | | | | | | | | | | |
| North Harbor Drive / Winehip Lane | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | , , , , , , |
| Second | | | | | | | | | | | | | | | | |
| Bassgorust | _ | North Harbor Drive / Winghin Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Read | 3 | Notti Halboi Drive / Willship Lane | Pookground | | | | | | | | | | | | | |
| Sherston / Harbor Drive Rental Car Road Alphort 38 0 200 127 0 42 70 1.115 57 300 1.633 0 2.23 270 3.08 0 2.08 1.0 | | | | | | | | | | | | | | | | |
| Sheration / Harbor Island Drive | 6 | North Harbor Drive / Bontal Car Boad | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | U | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Shestoto / Harbor Island Drive Apport 0 65 0 0 1012 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 13 62 0 0 15 4 98 85 62 70 10 78 71 10 10 10 10 10 10 10 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendington Total | ' | Sheratori / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendergound Color | | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway | Q | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway 10 Laurel Street / North Harbor Drive 11 Hawfilms Sireet / North Harbor Drive 12 Grape Street / North Harbor Drive 13 Apport 10 402 0 10 10 10 10 10 10 10 10 10 10 10 10 1 | 0 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Paolific Highway 107 127 0 0 0 128 17 7 88 51 0 0 234 0 7 75 Background 0 577 86 50 497 0 0 0 0 233 0 0 61 1144 10 Laurel Street / North Harbor Drive 108 Background 0 0 57 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Beakground 0 517 88 50 497 0 0 0 233 0 61 144 | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 23 0 4 633 1,469 0 0 0 2,245 144 4,52 | , | Gassanas Gacet / Facilie Flighway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Amport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 4,524 |
| Hawthorn Street / North Harbor Drive | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive April 0 340 0 0 0 0 0 0 0 0 0 | 10 | Laurer Greet, North Harbor Drive | | | | | | | | | | | | | | 1,726 |
| Hawthorn Street / North Harbor Drive Airport 0 331 0 0 990 0 0 0 0 10 0 965 228 | | | | | | | | | | | | | | | | |
| Background O 71 O O 422 O O O O 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 0 340 113 1047 865 0 0 0 0 0 0 0 0 0 | | Hawaiom Gaect, Notal Halbot Dilve | | | | | | | | | | | | | | |
| Apport 0 0 331 19 659 340 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 0 9 94 388 265 0 0 0 0 0 0 0 0 0 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 46 472 114 96 322 432 122 617 1 45 843 64 317 | 12 | Grape Greet/ North Harbor Brive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 46 365 114 90 275 304 112 215 1 45 315 53 1.83 1.83 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 10 | Eduler Glicet / Lacille Flighway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 179 106 0 0 0 37 10 0 0 0 0 786 1 1,11 | | | | | | | | | | | | | | | | |
| Background Color | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Total | | riamatom ou oct / r domo r ngrinay | | | | | | | | | | | | | _ | |
| 15 | | | | | | | | | | | | | | | | |
| Background 0 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Total December December Total December Dece | | Grapo Gradet i demo riigimay | | | | | | | | | | | | | | |
| Aliproft O O O O O O O O O | | | | | | | | | | | | | | | | 2,971 |
| Background O O O A32 597 453 O 302 43 36 163 O D 202 | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background Background O O O O C 285 152 O O O O 0 1811 2,323 O 2,94 | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total O O O O O O O O O | | | | | | | | | | | | | | | | |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | 2,575 |
| Background O O O O O O O O O | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | 613 |
| Total 121 159 136 0 0 0 0 0 38 391 1202 0 0 0 0 0 2.04 | | | | | | | | | | | | | | | | 1,962 |
| Part | | | | | | | | | | | | | | | | 2,047 |
| Background Seckground Sec | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Packground Figure | | | | | | | | | | | | | | | 1,447 |
| Aurhorn Street / I-S Northbound Off-Ramp Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 2,692 |
| Background Figure 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| 21 Laurel Street / India Street Aiport 0 0 0 0 0 0 0 0 0 | | · | | | | | | | | | | | | | | 1,911 |
| Airport Color Co | | | | | | | | | | | | | | | | 1,565 |
| Background A3 106 18 0 0 0 211 295 0 0 205 219 1,09 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | 468 |
| Total 0 0 0 274 2,788 832 0 80 74 137 165 0 4,35 | | | | | | | | 0 | | | | | | | | 1,097 |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | 4,351 |
| Background Color | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | 44 | 45 | | | | 785 |
| Total 238 892 10 0 0 0 135 27 57 0 37 23 1,41 | | | | | | | | | | | | | | | | 3,566 |
| Sassafras Street / India Street Alirport 118 364 0 0 0 0 49 0 0 0 0 0 0 531 | | | | | | | | | | | | | | | | 1,419 |
| Background 120 528 10 0 0 86 27 57 0 37 23 888 | 23 | Sassafras Street / India Street | | | | | | 0 | 0 | | | | | | | 531 |
| Total 0 0 0 226 40 66 0 88 47 201 285 0 952 | | | | | | | | | | | | | | | | 888 |
| 24 Washington Street / Pacific Highway SB-Ramps Airport 0 0 0 0 0 0 0 0 49 19 106 136 0 311 | | | | | | | | | | | | | | | | 953 |
| Background O O O O 226 40 65 O 39 28 95 149 O 642 | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | 1 | | | | | | | |
| Total 95 11 142 31 7 21 27 0 284 468 166 54 1,30 | | | Background | 0 | 0 | _0 | 226 | 40 | 65 | 0 | 39 | 28 | 95 | 149 | 0 | 642 |
| Airport 38 0 76 0 0 0 1 0 49 204 0 0 0 368 | | | | | | | | | | | | | | | | 1,306 |
| Background Fixed | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | | 1 | | | | | | 368 |
| Total 0 325 127 393 525 0 473 221 208 0 0 0 0 2,27 | | , , , , , , , , , , , , , , , , , , | | | | | | | 21 | 26 | | | | 166 | | 938 |
| Airport | | | | | | | | 525 | | | | | | | | 2,272 |
| Background 0 224 104 393 367 0 473 221 162 0 0 0 1,94 | 26 | Washington Street / Hancock Street | | | | | | | 0 | | | | | | 0 | 328 |
| Total 122 726 0 0 699 668 0 0 0 236 233 8 2,69 | | | | | | | | 367 | 0 | 473 | 221 | 162 | | | | 1,944 |
| 27 Washington Street / San Diego Avenue | | | | | 726 | | | 699 | 668 | 0 | 0 | | | | | 2,692 |
| Background 99 647 0 0 588 668 0 0 0 189 233 8 2,43 | 27 | Washington Street / San Diego Avenue | Airport | 23 | 79 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | | | 0 | 260 |
| 28 Rosecrans Street / Pacific Highway | | | | | 647 | | | 588 | 668 | 0 | | | 189 | 233 | 8 | 2,432 |
| 28 Rosecrans Street / Pacific Highway | | | | 206 | | | | | | | 182 | | 349 | | 98 | 1,909 |
| Background 206 151 219 99 142 60 63 180 150 332 166 98 1,86 | 28 | Rosecrans Street / Pacific Highway | | 0 | | 12 | 0 | | | 1 | 2 | 0 | | 2 | | 43 |
| 29 RosecransStreet / Nimitz Boulevard Total 20 157 132 35 173 37 124 536 24 170 551 35 1,99 Airport 0 105 125 0 137 0 0 0 0 164 0 0 531 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,46 | | | | | | | | | 60 | 63 | | 150 | | 166 | | 1,866 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 105 125 0 137 0 0 0 0 164 0 0 531 Background 20 52 7 35 36 37 124 536 24 6 551 35 1,46 | | | | | | | | | | | | | | | | 1,994 |
| Background 20 52 7 35 36 37 124 536 24 6 551 35 1,46 | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | 0 | | | | 531 |
| Community 2007 | | | | 20 | 52 | | 35 | | 37 | 124 | 536 | 24 | | 551 | | 1,463 |
| Source: HNTB, 2007 | | | | | | | | | | | | | | | | |

Table D-122 2020 Intersection Turning Volumes – PM Peak Hour – Proposed Airport Land Use Plan

| North Harbor Drive / Merris Ethol Appendix Append | | | | | , | | | | | | | | | | | |
|--|------|---|------------|-----|-----|-----|-----|-------|-------|-----|-------|-----|-----|-------|-----|--------------|
| North Harbor Driver / Michael State Aspect 0 | Int# | | T-1-1 | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| Sessignord | , I | North Harbor Drive / Nimite Blud | | _ | | _ | | _ | | | | | | | | 3,470 |
| North Harbor Drive / McCale St. April 1975 1985 19 | ' | INOITH HAIDOL DUVE / NIMITZ RIVO | | | | | | | | | | | | | | 644 2,826 |
| Amport Amport Dee Michael Company Deep | | | | | | | | | | | | | | | |
| Selectron Color | _ | North Harbar Drive / McCaia Ct | | | | | | | | | | | | | | 3,296 |
| North Harbor Driver / Spanish Landring Total 7 | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | 790 |
| North Harbor Drive / Harbor Island Drive September 10 | | | | | | | | | | | | | | | | 2,506 |
| Beadground 7, 0 25 0 0 0 0 1,749 25 7, 10,10 0 0 0 1,749 25 7, 10,10 0 0 0 0 0 0 0 0 0 | , | North Harbor Drive / Spenish Landing | | | | | | | | | | | | | | 3,666 |
| North Harbor Drive / Harbor Island Drive Appendix 158 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | 834 |
| Appendix | | | | | | | | _ | _ | | | | | | | 2,832 |
| Beskingward 152 0 254 0 0 0 0 0 0 0 0 2 2 | | North Horban Drive (Horban Johand Brive | | | | | | | | | | | | | | 4,936 |
| Total | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | 1,419 |
| Series Month Harbor Drive Minship Lane Majord 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 3,517 |
| Background 0 | - | North Harber Drive / Winship Lane | | | | | | | | | | | | | | 5,210 |
| North Harbor Drive Rental Car Road Algority Alg | 5 | North Harbor Drive / Winship Lane | | | | | | | | | | | | | | 1,967 |
| Sheraton / Harbor Drive Rental Car Road Report 51 0 287 338 0 87 62 1224 77 400 1123 208 33 37 38 38 38 38 38 3 | | | | | | | | | | | | | | | | 3,243 |
| Selection Harbor Island Drive | | New House Date / Desired Company | | | | | | | | | | | | | | 7,080 |
| Sheraton / Harbor Island Drive | ь | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | 3,837 |
| Sheraton / Harbor Island Drive | | | | | | | | | | | | | | | | 3,243 |
| Background 23 368 0 0 0 778 70 77 2 2 5 0 0 0 0 0 1 1 1 1 1 | 7 | Charatan / Harbar Jaland Drive | | | | | | | | | | | | | | 1,215 |
| B | ′ | Sheraton / Harbor Island Drive | | _ | | | | | _ | _ | | | | | | 171 |
| Bendy Part | | | | | | | | | | | | | | | | 1,044 |
| Sassafras Street / Pacific Highway | _ | | | | | | | | | | | | | | | 385 |
| 9 Sassafras Street / Pacific Highway Apriord 84 129 0 0 10 111 13 13 184 86 0 1777 0 7 7 10 1 3 | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | 171 |
| Sassafras Street / Pacific Highway | | | | | | | | | | | | | | | | 214 |
| Background Color | | 0 | | | | | | | | | | | | | | 3,476 |
| Laurel Street / North Harbor Drive | 9 | Sassatras Street / Pacific Highway | | | | | | | | | | | | | | 797 |
| Apport A | | | | _ | | | | | | | | | | | | 2,679 |
| Hawthorn Street / North Harbor Drive | 46 | Laurel Olivert / N. C. C. | | | | | | | | | | | | | | 6,233 |
| Hawthorn Street / North Harbor Drive Arport 0. 293 0. 0 0. 2,687 0. 0 0. 0 0. 0 176 0. 1807 52 12 12 2 3 0. 0 0. 1,475 0. 0 0. 0 0. 0 189 0. 753 2.1 12 2 3 3 3 3 3 3 3 3 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | 2,976 |
| Hawthorn Street / North Harbor Drive Airport 0 293 0 0 1,212 0 0 0 0 7 7 0 854 22 | | | | | | | | | | | | | | | | 3,257 |
| Background O 410 O 0 1,475 O O 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 5,173 |
| Total | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | 2,366 |
| 12 Grape Street / North Harbor Drive Rarpord 0 233 14 802 417 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 2,807 |
| Background 0 417 231 672 848 0 0 0 0 0 0 0 0 0 | | | | | | | | | _ | | | | | | | 3,694 |
| Total 148 827 193 160 554 492 490 835 55 49 932 77 4.1 | 12 | Grape Street / North Harbor Drive | | 0 | 293 | 14 | 802 | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,526 |
| Airport | | | Background | 0 | 417 | 231 | 672 | 848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,168 |
| Background 148 747 193 153 482 344 365 342 55 49 466 69 3.4 | | | Total | 148 | 827 | 193 | 160 | 554 | 452 | 490 | 835 | 55 | 49 | 932 | 77 | 4,772 |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | Airport | 0 | 80 | 0 | 7 | 72 | 118 | 125 | 493 | 0 | 0 | 466 | 8 | 1,369 |
| August Hawthom Street / Pacific Highway Background August Face | | Background | 148 | 747 | 193 | 153 | 482 | 334 | 365 | 342 | 55 | 49 | 466 | 69 | 3,403 |
| Background 48 728 0 | | | Total | 205 | 807 | 0 | 0 | 730 | 66 | 0 | 0 | 0 | 167 | 1,414 | 94 | 3,483 |
| Total | 14 | Hawthorn Street / Pacific Highway | Airport | 159 | 79 | 0 | 0 | 64 | 7 | 0 | 0 | 0 | 0 | 695 | 1 | 1,005 |
| Total | | | Background | 46 | 728 | 0 | 0 | 666 | 59 | 0 | 0 | 0 | 167 | 719 | 93 | 2,478 |
| Background | | | Total | 0 | 874 | 542 | 314 | 703 | 0 | 70 | 2,237 | 48 | 0 | 0 | 0 | 4,788 |
| Total O O O S23 1,116 1,048 O 1,012 76 51 261 O 0 4,15 | 15 | Grape Street / Pacific Highway | Airport | 0 | 225 | 0 | 1 | 64 | 0 | 14 | 754 | 48 | 0 | 0 | 0 | 1,106 |
| Total O O O S23 1,116 1,048 O 1,0112 76 51 261 O 0 4,169 O O 0 0 0 0 0 0 0 0 | | | Background | 0 | 649 | 542 | 313 | 639 | 0 | 56 | 1,483 | 0 | 0 | 0 | 0 | 3,682 |
| Background O O O S23 1,116 626 O 512 76 51 208 O S31 1,116 1,1 | | | | 0 | 0 | 0 | 523 | 1,116 | 1,048 | 0 | 1,012 | 76 | 51 | 261 | 0 | 4,087 |
| Background Q | 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 0 | 0 | 422 | 0 | 500 | 0 | 0 | 53 | 0 | 975 |
| Total | | | | | 0 | 0 | 523 | 1,116 | 626 | 0 | 512 | 76 | 51 | | 0 | 3,112 |
| Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | 1.834 | | 2,933 |
| Background O O O O O 742 134 O O O 223 1,139 O O 4.4 | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | 695 |
| Total | | | | | | | | | 134 | | | | | | | 2,238 |
| Airport 0 | | | | | | | | | | | | | | | | 4,881 |
| Background O O O O O O O O O | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | 755 |
| Total | | • | Background | | | | | | | | | | | | | 4,126 |
| Part | | | | 183 | | | | | | 23 | | | | | | 3,595 |
| Background 183 348 340 0 0 0 0 23 479 1,487 0 0 0 0 2.8 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | 735 |
| Total 42 65 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 2,860 |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | 1,819 |
| Background 42 65 0 0 0 0 0 0 0 0 0 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | 691 |
| Total 43 285 84 0 0 0 815 489 0 0 0 327 301 2.3 | - 1 | | | | | | | | | | | | | | | 1,128 |
| Airport O O O O O O O O O | | | | | | | | | | | | | | | | 2,344 |
| Background 43 285 84 0 0 0 369 435 0 0 274 301 17. | 21 | Laurel Street / India Street | | | | | | | | | | | | | | 553 |
| Total | | | | | | | | | | | | | | | | 1,791 |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 422 83 0 83 84 0 84 0 7 | | | | | | | | | | | | | | | | 5,776 |
| Background O O O O Section Section Section O O O O O O O O O | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | 756 |
| Total 207 1,462 30 0 0 0 332 68 124 0 16 19 2,2 | | Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | 5,020 |
| Airport 89 446 0 0 0 0 92 0 0 0 0 0 0 0 6 | | | | | | | | | | | | | | | | 2,258 |
| Background 118 1,016 30 0 0 0 240 68 124 0 16 19 1,6 19 1,6 10 10 10 10 10 10 10 1 | 23 | Sassafras Street / India Street | | | | | | _ | _ | | | | | | | 627 |
| Total O O D 596 60 13 O 251 59 262 138 O 1; | | TETTE TETTE TETTE TETTE | | | | | | | | | | | | | | 1,631 |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 1,379 |
| Background O O O S96 60 12 O 213 44 170 40 O O 1.1 | 24 | Washington Street / Pacific Highway SR-Ramps | | | | | | | 1 | | | | | | | 244 |
| Total 50 25 233 67 65 8 64 16 696 441 240 68 1.5 | -* | | | _ | _ | _ | - | _ | 12 | - | | | | | | 1,135 |
| 25 Washington Street / Pacific Highway NB-Ramps (1) Background 23 25 136 67 65 8 64 16 658 278 240 68 1,6 Total 0 784 184 421 508 0 742 443 219 0 0 0 0 3.3 Airport 0 117 18 0 129 0 0 0 3.3 0 0 0 0 2.2 Background 0 667 166 421 379 0 742 443 186 0 0 0 0 3.3 Washington Street / Hancock Street Washington Street / San Diego Avenue Total 232 1,435 0 0 0 739 609 0 0 0 0 227 315 19 3.5 Airport 1 8 99 0 0 96 0 0 0 0 34 10 0 2.2 Background 214 1,336 0 0 663 120 140 68 118 482 178 287 348 147 3.4 Rosecrans Street / Pacific Highway Rosecrans Street / Pacific Highway RosecransStreet / Nimitz Boulevard RosecransStreet / Nimitz Boulevard Airport 0 112 153 0 121 0 0 0 0 0 0 145 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | 1,133 |
| Background 23 25 136 67 65 8 64 16 658 278 240 68 1,6 | 25 | Washington Street / Pacific Highway NR-Ramps (1) | | | | | | | | | | | | | | 325 |
| Total | 20 | 1. doington officer i doile riignway ND-Italips (1) | | | | | | | | | | | | | | 1,648 |
| Airport Airport Deciration Deciratio | | | | | | | | | | | | | | | | 3,301 |
| Background | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | 297 |
| Total 232 1,435 0 0 739 609 0 0 0 227 315 19 3.5 Airport 18 99 0 0 96 0 0 0 0 0 34 0 0 0 22 | 20 | washington Street / Hallcock Street | | | | | | | | _ | | | | | | 3,004 |
| Airport 18 99 0 0 96 0 0 0 0 34 0 0 2 | | | | | | | | | | | | | | | | 3,004 |
| Background 214 1,336 0 0 0 643 609 0 0 0 193 315 19 3,3 15 19 3,4 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 27 | Washington Street / Son Diogo Avenus | | | | | | | | | | | | | | 3,576 |
| 28 Rosecrans Street / Pacific Highway Fortal 363 298 663 120 140 68 118 482 178 287 348 147 3,2 47 3,2 48 147 3,2 48 148 148 148 148 148 148 148 148 148 | 21 | vvasililigion Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 15 0 4 1 1 2 0 15 2 0 4 8ackground 363 294 648 120 136 67 117 480 178 272 346 147 3,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | 3,329 |
| Background 363 294 648 120 136 67 117 480 178 272 346 147 3.1 Total 22 273 177 28 152 28 278 680 27 223 566 46 2.6 RosecransStreet / Nimitz Boulevard Airport 0 128 153 0 121 0 0 0 0 0 145 0 0 5 | 20 | December Street Decide Protection | | | | | | | | | | | | | | 3,212 |
| Total 22 273 177 28 152 28 278 680 27 223 566 46 2,5 29 RosecransStreet / Nimitz Boulevard Airport 0 128 153 0 121 0 0 0 0 145 0 0 5 | 28 | Rosecrans Street / Pacific Highway | | | | | | | _ | | | | | | | 44 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 128 153 0 121 0 0 0 145 0 0 5 | | | | | | | | | | | | | | | | 3,168 |
| | 20 | BosograpaStroot / Nicette Bendenand | | | | | | | | | | | | | | 2,500 |
| | 29 | Rosecransoureet / Nimitz Boulevard | | | | | | | | | | | | | | 547 |
| Background 22 145 24 28 31 28 278 680 27 78 566 46 1,s | | | Background | 22 | 145 | 24 | ∠ၓ | 37 | 28 | 2/8 | ნწ | 21 | 78 | doc | 46 | 1,953 |

Source: INT IB, 2007

Note:

(1) The numbers above for the following 5-leg intersections represent the volumes for the following movements. "2" represents the 5th leg / on-ramp.

19 Grape Street / I-5 Southbound On-Ramp nbt nbr nbr2 ebl eb
25 Washington Street / Pacific Highway NB-Ramps nbl+nbl2 nbt nbr sbl sbr2 sbr ebl2 et

ebl ebt sbl sbr2 sbr ebl2 ebl

Table D-123 2025 Intersection Turning Volumes – AM Peak Hour – Proposed Airport Land Use Plan

| North Nation Chine / North Ration Chine / Residual Chine Residual Chine / North Ration Chine / Residual Chine Resid | | | 1 | | | | | | | | | | | | | |
|--|--------------|--|------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-------|-----|-------|
| North Harbor Drive / Minist Eyou | Int# | | Tara | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| Besignoral | | North Hosters Dates (Alberta Dist | | _ | | | | _ | | | | | | | | |
| North Harbor Drive / McChan St | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| North Herbor Diree / North September Page Page | | | | | | | | | | | | | | | | |
| Resignant | _ | | | | | | | | | | | | | | | |
| North Harbor Drive Spanish Landing Figure 1 | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Dhew Sparrient Landing Report 0 0 0 77 0 13 132 289 0 0 238 0 792 | | | | | | | | | | | | | | | | |
| Salegorund 0 | | | | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Apport App | 3 | North Harbor Drive / Spanish Landing | Airport | | | | | | | | | | | | | |
| North Harbor Drive / Harbor Island Drive Apport 13 6 47 44 12 82 88 201 21 70 828 20 1.72 1.75 | | | | | | | | | | | | | | | | |
| Section | | | Total | | | | | | | | | | | | | |
| North Narhor Drive / Wriship Lane | 4 | North Harbor Drive / Harbor Island Drive | Airport | | | | | 12 | 82 | | | | | | | 1,472 |
| North Harbor Drive / Wentship Lame Apport | | | Background | 33 | | 113 | | 0 | 0 | 0 | | | 194 | 1,542 | | 2,530 |
| Besignorn 0 | | | Total | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road Total Sile O 200 133 O 45 73 10.98 57 300 1.652 283 5.964 | 5 | North Harbor Drive / Winship Lane | Airport | | | | | 0 | 123 | | | | | | 179 | 2,111 |
| North Hathor Drive Renal Car Road Airport 38 0 200 133 0 46 73 1248 57 300 1459 283 3.941 7.75 | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| Sheraton Harbor Island Drive | | | Total | 38 | 0 | 200 | 133 | 0 | 45 | 73 | 1,938 | 57 | 300 | 3,199 | 283 | 6,266 |
| Sheraton / Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | Airport | 38 | 0 | 200 | 133 | 0 | 45 | 73 | 1,249 | 57 | 300 | 1,463 | 283 | 3,841 |
| Sheraton / Herbor Island Drive | | | Background | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 689 | 0 | 0 | 1,736 | 0 | 2,425 |
| Beskippund 13 62 0 0 167 69 85 6 27 0 0 0 0 459 | | | Total | 13 | 128 | 0 | 0 | 270 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 628 |
| Bending | 7 | Sheraton / Harbor Island Drive | Airport | 0 | 66 | 0 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 169 |
| Besignand | | | Background | 13 | 62 | 0 | 0 | 167 | 99 | 85 | 6 | 27 | 0 | 0 | 0 | 459 |
| Beskippund 0 | | | Total | 0 | 0 | 0 | 0 | 0 | 38 | 82 | 101 | 0 | 0 | 79 | 1 | 301 |
| Sessifies Sizeet / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | 0 | 0 | 0 | | 0 | 38 | 82 | 21 | | 0 | 29 | 1 | 171 |
| 9 Sassafras Street / Pacific Highway 10 Laurel Street / North Harbor Drive 11 Hawthorn Street / North Harbor Drive 12 Grape Street / North Harbor Drive 13 Apport 1 of 2427 o 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | , , | | 0 | | | | | | | | | | 50 | 0 | 130 |
| Sassafras Street / Pacific Highway Airport 116 133 0 0 137 19 8 108 55 0 227 0 833 | | | | | | | | | | | | | | | | |
| Background | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Description Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Aspect 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 15 0 3 20 452 0 0 1,214 48 1,750 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | - | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 347 0 0 10 10 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 75 0 0 443 0 0 0 0 0 0 0 0 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total O 356 122 1,104 840 O O O O O O O 0 0 | | | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Background 0 0 347 23 694 360 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background D. 9 9 9 410 280 0 0 0 0 0 0 0 0 0 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 50 997 123 94 288 318 8 143 1 44 310 52 1828 184 184 185 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | | | | | 123 | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background O 226 O O 198 67 O O 0 336 1,788 110 2,705 | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Total | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background 0 550 207 208 1,121 0 78 532 0 0 0 0 0 2,1576 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 10 0 0 0 371 511 888 0 728 42 37 231 0 2,808 | | Grapo Gradet i demo riigimay | | | | | | | | | | | | | | |
| Background Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background O | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 17 | Hawthorn Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total O O O O 122 622 O O 1,711 111 O O O O 0 644 | | Transfer Substitution Board and | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O 122 622 O O 1,080 98 O O O O 1,922 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 126 166 142 0 0 0 39 404 1,254 0 0 0 0 2,131 | | | | | | | | | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | | | |
| Background 126 166 142 0 0 0 39 400 626 0 0 0 1,499 | 19 | Grane Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Total 55 53 0 0 0 0 0 0 0 0 0 | | Grape Gradet i i o Godribodila Gil i tamp (1) | | | | | | | | | | | | | | |
| Airport December | | | | | | | | | | | | | | | | |
| Background Society S | 20 | Hawthorn Street / I-5 Northhound Off-Ramp | | | | | | | | | | | | | | |
| Total 47 111 19 0 0 0 596 343 3 0 272 221 1.612 | | Transfer Substrict To Horanboard On Hamp | | | | | | | | | | | | | | |
| Airport 2 0 0 0 0 0 383 46 3 0 65 0 499 | | | | | | | | | | | | | | | | |
| Background 45 111 19 0 0 0 213 297 0 0 207 221 1,113 | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Total O O D 243 2,645 757 O 88 81 139 174 O 4,027 | | | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | | | |
| Background O O D 243 2,045 640 O 40 32 139 56 O 3,195 | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Total 248 905 10 0 0 0 142 28 58 0 40 26 1.457 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 129 383 0 0 0 0 0 54 0 0 0 0 0 566 | | | | | | | | | | | | | | | | |
| Background 119 522 10 0 0 0 88 28 58 0 40 26 891 | 23 | Sassafras Street / India Street | | | | | | _ | _ | | | | | | | |
| Total 0 0 0 201 35 58 0 97 49 212 322 0 974 | | | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | 24 | Washington Street / Pacific Highway SB-Ramps | | | | | | | 1 | | | | | | | 356 |
| Total 73 5 112 31 7 22 29 0 309 491 165 54 1,298 | | | Background | 0 | 0 | 0 | 201 | 35 | 57 | 0 | 38 | 27 | 101 | 159 | 0 | 618 |
| Airport 45 0 80 0 0 0 1 0 58 229 0 0 0 413 | | | | | | | | | | 29 | | | | | | |
| Background | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | 0 | 1 | | | | | | |
| Total 0 334 132 387 535 0 531 248 237 0 0 0 0 2,404 | | _ , , , , , , , , , , , , , , , , , , , | | | | | | | 22 | 28 | | | | 165 | | |
| Airport 0 111 28 0 174 0 0 0 555 0 0 0 368 | | | | | | | | 535 | | | | | | | | |
| Background O 223 104 387 361 O 531 248 182 O O O 0 2,036 | 26 | Washington Street / Hancock Street | | 0 | | | | | 0 | | | | | | 0 | |
| Total 125 720 0 0 729 693 0 0 0 238 225 8 2,738 | | | | | | | | 361 | 0 | 531 | 248 | | | | | 2,036 |
| Airport 27 83 0 0 118 0 0 0 0 56 0 0 284 | | | | | 720 | | | | 693 | | | | | | | |
| Background 98 637 0 0 0 611 693 0 0 0 0 182 225 8 2,454 10tal 209 157 236 100 149 62 65 186 152 352 170 98 1,936 Rosecrans Street / Pacific Highway | 27 | Washington Street / San Diego Avenue | Airport | 27 | 83 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | | | 0 | 284 |
| 28 Rosecrans Street / Pacific Highway | | | | | 637 | | | 611 | 693 | 0 | | | 182 | | 8 | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 13 0 5 1 1 2 0 18 3 0 47 Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 29 Rosecrans Street / Nimitz Boulevard Airport 0 110 131 0 144 0 0 0 0 0 171 0 0 556 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | | | 209 | | | | | | 65 | 186 | | | | 98 | 1,936 |
| Background 209 153 223 100 144 61 64 184 152 334 167 98 1,889 29 RosecransStreet / Nimitz Boulevard Airport 0 110 131 0 144 0 0 0 0 0 171 0 0 556 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Total 21 164 138 9 154 10 121 524 23 177 554 35 1,930 1,93 | | | | | 153 | | | | 61 | 64 | 184 | 152 | | | | 1,889 |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 110 131 0 144 0 0 0 0 171 0 0 556 Background 21 54 7 9 10 10 121 524 23 6 554 35 1,374 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | 131 | | | | | | | | | | |
| Source: HNTB, 2007 | | | Background | 21 | 54 | 7 | 9 | 10 | 10 | 121 | 524 | 23 | 6 | 554 | 35 | 1,374 |
| | Source: HNTE | 3, 2007 | | | | | | | | | | | | | | |

Table D-124 2025 Intersection Turning Volumes – PM Peak Hour – Proposed Airport Land Use Plan

| North Harbor Driver Name North Harbor Driver Name 1-1-11 | | 1 | L NIDI | NDT | NDD | 001 | ODT | 000 | EDI | FDT | | WDI | WDT | WDD | T. (-1 |
|--|--------------|---|------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| North Harbor Driver / Marcol Register 1 | Int# | | Tetal | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| Separation | | North Harber Drive (Nimite Divid | | _ | | | | _ | | | | | | | | |
| North Harbor Drive / McClan St. Appendix 1 | North Hardor Drive / Nimitz Bivd | | | | | | | | | | | | | | |
| North Harbor Drive / McCare St. Rejort 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Search | • | North Harbar Drive / McCaia Ct | | | | | | - | | | | | | | | |
| North Herbor Drive Spariah Landing | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| North Harbor Drive / Spanish Landing Report 0 0 0 155 0 27 100 317 0 0 724 0 0 175 0 175 0 177 0 0 77 0 0 724 0 0 175 0 175 0 175 0 175 0 175 0 175 0 175 0 175 0 0 175 0 0 175 0 0 175 0 0 175 0 0 175 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Boograms 7, 9, 25 | 2 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Morth Nathor Drive Harbor Island Drive August 14 5 5 63 48 11 78 73 2038 14 581 1579 0 5 514 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| North Harbor Diver / Harbor Island Drive Algorit 14 5 60 48 11 72 73 379 21 63 744 0 1.485 | | | | | | | | | | | | | | | | |
| Second S | | North Harbas Drive / Harbas Jaland Drive | | | | | | | | | | | | | | |
| Section | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Harbor Drive Washington Alignott 0 | | | | | | | | | | | | | | | | |
| Biologicard 0 0 0 0 0 0 0 0 0 | - | North Harbar Drive / Winship Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road | 5 | North Harbor Drive / Willship Lane | Airport | | | | | | | | | | | | | |
| North Habro Drive Rental Car Road Alignot 51 0 267 352 0 91 65 1,266 77 409 1,136 201 4,084 7 7 8 8 8 8 8 8 8 8 | | | | | | | | | | | | | | | | |
| Sheraton / Harbor Island Drive | | North Harbar Drive / Bontol Car Bond | | | | | | | | | | | | | | |
| Total | 0 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Sheration Heinford Island Drive | | | | | | | | | | | | | | | | |
| Bestground 23 369 0 0 509 70 77 27 2 2 5 0 0 0 1075 375 385 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendeling | ' | Sileratori / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendyman | | | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway | | Employee Let / Harber Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway | ٥ | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Sassafras Sireet / Pacific Highway Airport 90 133 0 0 118 14 15 204 64 0 150 0 6877 | | | | | | | | | | | | | | | | |
| Background 0 994 448 151 1,062 0 0 0 0 0 2 19 0 58 2,532 | 0 | Saccafrae Street / Booific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive | 9 | Sassanas Sueeu/ Pacinic Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 45 0 7 701 1,205 0 0 1,097 121 1,517 | 10 | Lours Street / North Harber Daine | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurer Street / NORTH Hardor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 305 0 0 1,288 0 0 0 0 9 0 8882 2,474 | | | | | | | | | | | | | | | | |
| Background 0 433 0 0 0 1,548 0 0 0 0 0 0 0 0 0 | 44 | Houstborn Stroot / North Horber Daine | | | | | | | | | | | | | | |
| Total Carpe Street North Harbor Drive Airport Carpe Street Pacific Highway Total Total Carpe Street Pacific Highway Total Carpe Street Pacific Highway Total Carpe Street Pacific Highway Airport C | 11 | Hawtnorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Background 0 305 17 840 437 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background D | 40 | Owner Obsert / New Hollenberg Drive | | | | | | | | | | | | | | |
| Total 160 801 211 169 887 474 374 744 36 48 946 77 4722 72 74 74 74 74 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 160 | | | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Airport 166 89 0 0 72 9 0 0 0 0 725 1 1,062 | | | | | | | | | | | | | | | | |
| Background 50 789 0 0 776 63 0 0 191 623 107 2,744 | | Hardham Oberet / Beriffe High | | | | | | | | | | | | | | |
| Total | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | _ | |
| Airport O 238 O 1 71 71 71 728 51 O O O 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O 687 574 341 695 O 59 1,546 O O O O 3,902 | | 0 0 10 10 10 10 | | | | | | | | | | | | | | |
| Total 10 0 0 0 448 956 976 0 1,028 74 52 266 0 3,800 | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Background Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 0 | 40 | Land Oliver (Welling Berland | | | | | | | | | | | | | | |
| Total | 16 | Laurei Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Sairport O O O O O O O O 727 O 728 | | | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Ketther Boulevard | | | | | | | | | | | | | | |
| Airport 0 0 0 1 0 0 0 769 21 0 0 0 0 791 | | | | | | | | | | | | | | | | |
| Background O O O 298 656 O O 3,055 90 O O O O 4,099 | | | | | | | | | | | | | | | | |
| Total 190 363 355 0 0 0 24 500 2,301 0 0 0 3,733 | 18 | Grape Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Size Franchist Southbound On-Ramp (1) Airport O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 190 363 355 0 0 0 24 495 1,536 0 0 0 2,963 | | | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport December Airport December Airport December D | | | | | | | | | | | | | | | | |
| Background 45 70 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Total 47 299 88 0 0 0 838 496 2 0 332 304 2,406 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport 2 1 0 0 0 0 466 57 2 0 566 0 584 | | | | | | | | | | | | | | | | |
| Background 45 298 88 0 0 0 372 439 0 0 0 276 304 1,822 | 0.4 | Laurel Oteant 11- #1- Oter 1 | | | | | | | | | | | | | | |
| Total | 21 | Laurei Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 441 89 0 90 91 0 89 0 800 401 | | | | | | | | | | | | | | | | |
| Background O O O 400 3,219 484 O 195 53 98 62 O 0 4,511 | 22 | Connection Street / Matter Davidson | | | | | | | | | | | | | | |
| Total 214 1,471 29 0 0 0 346 70 127 0 17 21 2,295 | 22 | Sassatras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 97 467 0 0 0 0 0 101 0 0 0 | | | | | | | | | | | | | | | | |
| Background | 22 | Connection Characteristic Characteristic | | | | | | _ | | | | | | | | |
| Total | 23 | Sassarras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O S29 S3 11 O 206 43 182 43 O 1,067 | 2.4 | Weekinster Street / De 'S - LE-t OD D | | | | | | | 12 | | | | | | | |
| Total 43 12 188 69 66 8 69 17 747 458 238 67 1,962 | 24 | vvasnington Street / Pacific Highway SB-Ramps | | _ | | - | _ | - | 1 | - | | | | | - | |
| Airport Steet Pacific Highway NB-Ramps (1) Airport 32 0 102 0 0 0 1 0 46 181 0 0 362 | | | | | | | | | | | | | | | | |
| Background | 25 | Washington Charat / Basific Life to the ND Do. | | | | | | | | 69 | | | | | | |
| Total O 789 187 414 513 O 833 498 249 O O O O 3,483 | 25 | vvasnington Street / Pacific Highway NB-Ramps (1) | | | | | | | _ | 1 | | | | _ | | |
| Airport 0 126 22 0 141 0 0 0 40 0 0 0 329 | | | | | | | | | | | | | | | | |
| Background O 663 165 414 372 O 833 498 209 O O O 0 3,154 | 00 | Western Outstand | | | | | | | | | | | | _ | | |
| Total 233 1,417 0 0 769 633 0 0 0 227 305 18 3,602 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Airport 22 104 0 0 101 0 0 0 0 40 0 0 267 | | | | | | | | | | | | | | | | |
| Background 211 1,313 0 0 0 668 633 0 0 0 0 187 305 18 3,335 Total 368 302 673 122 143 69 120 490 181 288 350 148 3,254 Airport 0 4 16 0 4 1 1 2 0 15 2 0 45 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 Total 23 284 185 7 135 7 272 665 27 229 569 46 2,449 RosecransStreet / Nimitz Boulevard Airport 0 134 180 0 127 0 0 0 0 0 151 0 0 0 57 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Forting Total 368 302 673 122 143 69 120 490 181 288 350 148 3,254 Airport 0 4 16 0 4 1 1 2 0 15 2 0 45 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 Total 23 284 185 7 135 7 272 665 27 229 669 46 2,449 Airport 0 134 160 0 127 0 0 0 0 151 0 0 572 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 16 0 4 1 1 1 2 0 15 2 0 45 Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 Total 23 284 185 7 135 7 272 665 27 229 569 46 2,449 Provided Highway Airport 0 134 160 0 127 0 0 0 0 151 0 0 572 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Background 368 298 657 122 139 68 119 488 181 273 348 148 3,209 7 total 23 284 185 7 135 7 272 665 27 229 569 46 2,449 8 RosecransStreet / Nimitz Boulevard Airport 0 134 160 0 127 0 0 0 0 0 151 0 0 5 569 46 1,877 8 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Total 23 284 185 7 135 7 272 665 27 229 569 46 2,449 Airport 0 134 160 0 127 0 0 0 0 151 0 0 572 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,677 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 134 160 0 127 0 0 0 1 151 0 0 572 Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| Background 23 150 25 7 8 7 272 665 27 78 569 46 1,877 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | Background | 23 | 150 | 25 | 7 | 8 | 7 | 272 | 665 | 27 | 78 | 569 | 46 | 1,877 |
| | Source: HNTE | 3, 2007 | | | | | | | | | | | | | | |

Table D-125 2030 Intersection Turning Volumes – AM Peak Hour – Proposed Airport Land Use Plan

| North Harbor Drive North Carlot North Harbor Drive North Harbor | | | , | | | | | | | | | | | | | |
|--|--|--|------------|-----|-----|-----|-------|-----|-----|-----|-------|-----|-----|-------|-------|-------|
| North Harbor Driver / Horizon Aground 0 0 0 0 0 0 0 0 0 | Int# | | Tatal | NBL | NBT | NBR | SBL | SBT | SBR | EBL | EBT | EBR | WBL | WBT | WBR | Total |
| Resignation 0 | | North Hadron Drive (Alberta Dist | | _ | _ | | | | | | | | | | | |
| North Harbor Drive / McChan St. Figure St. C. C. C. C. C. C. C. | 1 | North Harbor Drive / Nimitz Blvd | | | | | | | | | | | | | | |
| 2 | | | | _ | | | | | | | _ | | | | | |
| North Herbor Drive / Sparsen Landing State Company | | | | | | | | | | | | | | | |
| North Harbor Dine / Spanish Lunding Appet 10 10 10 17 18 1366 7 21 1883 0 229 18 18 18 18 18 18 18 1 | 2 | North Harbor Drive / McCain St | | | | | | | | | | | | | | |
| Shorth Harbor Drive / Spenish Landing Appoint 0 0 0 72 0 77 168 362 0 0 200 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| | _ | | | | | | | | | | | | | | _ | |
| North Nathor Drive Nation Island Drive Argon 480 6 550 45 13 108 113 220 103 272 2,477 0 4251 | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| 4 North Harbor Drive / Horbor Island Drive Begrand 10 | | | | | | | | | | | | | | | | |
| Security | | | Total | | | | | | | | | | | | | |
| North Harbor Drive / Wriship Lane | 4 | North Harbor Drive / Harbor Island Drive | Airport | 15 | 6 | 47 | 45 | 13 | 106 | 113 | 299 | 24 | 67 | 877 | 0 | 1,612 |
| Secret North Harbor Dimer / Winship Lane Regional of 0 0 0 0 0 0 0 0 0 0 | | | Background | 33 | 0 | 113 | 0 | 0 | 0 | 0 | 624 | 79 | 200 | 1,590 | 0 | 2,639 |
| Besignorn Color | | Total | 0 | 0 | 0 | 86 | 0 | 135 | 104 | 1,023 | 0 | 0 | 3,188 | 181 | 4,717 |
| Bedspand 0 0 0 0 0 0 0 0 0 | 5 | North Harbor Drive / Winship Lane | Airport | 0 | 0 | 0 | 86 | 0 | 135 | 104 | 286 | 0 | 0 | 1,398 | 181 | 2,190 |
| Page | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 737 | 0 | 0 | | 0 | 2,527 |
| 6 North Harbor Drive Renatal Car Road Alignort 47 0 19 13 10 0 33 80 1270 71 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 77 7 286 1478 279 3,889 78 78 78 78 78 78 78 | | | | | 0 | 191 | 131 | 0 | 53 | 90 | 2,007 | 71 | 286 | 3,268 | 279 | |
| Sheration / Marbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | 0 | 191 | | | | | | | | | 279 | |
| Total 13 130 0 0 263 99 69 60 27 0 0 0 643 | | | | 0 | 0 | 0 | | | | | | | | | 0 | |
| Sheedon / Herbor Island Drive | | | | | | | | | | | | | | | | |
| Background 3 82 0 0 179 90 85 82 0 0 0 178 199 195 85 82 0 0 0 0 178 199 198 189 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bernplayer Lot / Harbor Island Drive | | | | 13 | | | | | | | | | | | | |
| Besignound Color Flambor Island Drive Employee Lot / Hambor Island Drive Employee Lot / Hambor Island Drive Employee Color Col | | | | | | 0 | | | | | | | | | | 208 |
| 9 Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway 9 Sassafras Street / Pacific Highway 10 Laurel Street / North Harbor Drive 10 Laurel Street / North Harbor Drive 11 Hawthorn Street / North Harbor Drive 12 Grape Street / North Harbor Drive 13 Backgound 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Employee Lot? Harbor Island Brive | | | | | | | | | | | | | | |
| 9 Sassafras Street / Pacific Highway | | | | | | | | | | | | | | | | |
| Background 0, 402 66 38 389 0, 0 0, 0 0, 131 0, 35 1,668 | a | Sassafras Street / Dacific Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive | , | Jassanas Jueet / Fatilit Highway | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Airport 0 0 0 0 0 0 0 0 0 | — | | | | | | | | | | | | | | | |
| Background O | 40 | Laurel Chart / North Linds of Bridge | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | 10 | Laurei Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | | | |
| Background 0 76 0 0 463 0 0 0 0 116 0 2000 2,656 | | l | | | | | | | | | | | | | | |
| Total | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Amport 0 382 30 727 381 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 9 96 412 282 0 0 0 0 0 0 0 799 | | | Total | 0 | 371 | 126 | 1,139 | 663 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,299 |
| Total Age Ag | 12 | Grape Street / North Harbor Drive | Airport | 0 | 362 | 30 | 727 | 381 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500 |
| Total Age Ag | | · | | 0 | | 96 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 799 |
| 13 | | | | 42 | 453 | 114 | 71 | 256 | 359 | 127 | 538 | 1 | 81 | 1.045 | 106 | |
| Background 42 333 104 66 203 224 9 157 1 79 594 94 1,3865 130 4,1365 130 4, | 13 | Laurel Street / Pacific Highway | | | | | | | | | | 0 | | | | |
| Hawthorn Street / Pacific Highway | | , | | 42 | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway Arport 196 123 0 0 40 16 0 0 0 0 859 7 1,240 | | | | | | | | | | | | | | | | |
| Background 0 190 0 0 197 67 0 0 0 75 197 173 2.892 | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| 15 Grape Street / Pacific Highway Arport 0 289 0 0 39 0 30 675 52 0 0 0 1,085 16 Laurel Street / Kethner Boulevard Arport 0 0 0 346 469 784 0 928 75 61 339 0 3,00 17 Hawhom Street / Kethner Boulevard Arport 0 0 0 0 346 469 784 0 928 75 61 339 0 3,00 17 Background 0 0 0 0 346 469 784 0 928 75 61 339 0 3,00 18 Background 0 0 0 0 340 469 356 0 0 376 0 909 19 Background 0 0 0 0 0 340 469 356 0 0 522 75 58 263 0 2,093 18 Grape Street / Kethner Boulevard Arport 0 0 0 0 0 248 131 0 0 0 0 867 0 870 19 Grape Street / Southbound On-Ramp (1) Background 0 0 0 135 672 0 0 131 0 0 0 0 248 19 Grape Street / I-S Southbound On-Ramp (1) Total 208 272 233 0 0 0 0 0 0 0 0 0 | | | | _ | | | | | | | | | | | | |
| Background O | 15 | Grane Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 0 0 0 346 469 784 0 928 75 61 339 0 3,002 | | Grape Gradet i dome ingrinay | | | | | | | | | | | | | | |
| Background O O O O O O O O O | | | | | | | | | | | | | | | | |
| Background 0 0 0 0 340 469 356 0 532 75 58 263 0 2,093 | 16 | Laurel Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Hawthorn Street / Kettner Boulevard Airport 0 0 0 0 249 131 0 0 0 0 266 3,638 0 4,234 | 10 | Edulci Gilect / Nettilei Bodievard | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| Background O | 17 | Houthorn Street / Kettner Bouleverd | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Returer Boulevard | | | | | | | | | | | | | | |
| 18 Grape Street / Kettner Boulevard Airport 0 0 0 3 0 0 0 663 13 0 0 0 0 679 | | | | | | | | | | | | | | | | |
| Background O O O 332 672 O O 1,136 103 O O O O 0 2,043 | 40 | Conne Chanat / Kottana Baulauand | | | | | | | | | | | | | | |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 0 | 10 | Grape Street / Retirier Boulevard | | | | | | | | | | | | | | |
| Airport | | | | | | | | | | | | | | | | |
| Background 206 272 233 0 0 0 444 453 709 0 0 0 0 1,917 | 40 | 0 | | | | | | | | | | | | | | |
| Hawthorn Street / I-5 Northbound Off-Ramp | 19 | Grape Street / I-5 Southbound On-Ramp (1) | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 62 59 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Laurel Street / India Street Airport 13 3 0 0 0 0 670 524 25 0 336 310 2,045 | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | | | | | | | | | | | | | |
| Airport 13 3 0 0 0 0 330 48 25 0 67 0 486 | L | | | | | | | | | | | | | | | |
| Background 37 91 16 0 0 0 340 476 0 0 0 289 310 1,559 | | 1 | | | | | | | | | | | | | | |
| Total | 21 | Laurei Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 485 117 0 48 48 0 118 0 766 | | | | | | | | | | | | | | | | |
| Background O O O 242 2,043 639 O 24 19 114 46 O 3,127 | | | | | | | | | | | | | | | | |
| Total 275 1,024 13 0 0 0 120 23 48 0 43 27 1,573 | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Airport 118 333 0 0 0 0 48 0 0 0 0 0 489 | | | | | | | | | | | | | | | | |
| Background 157 691 13 0 0 0 72 23 48 0 43 27 1,074 | | | | | | | | | | | | | | | | |
| Total 0 0 0 511 90 148 0 109 54 196 321 0 1,429 | 23 | Sassafras Street / India Street | Airport | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | Background 157 691 13 0 0 0 72 23 48 0 43 27 | | | | | | | | | | | | | | 1,074 | |
| Background O O O O O O O O O | | | Total | 0 | 0 | 0 | 511 | 90 | 148 | 0 | 109 | 54 | 196 | 321 | 0 | 1,429 |
| Background O O O O O O O O O | 24 | Washington Street / Pacific Highway SB-Ramps | Airport | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 70 | 26 | 114 | 193 | 0 | 405 |
| Total 53 0 83 24 6 17 23 0 271 430 111 36 1,054 | L | | Background | | | | | | | | | | | | | |
| 25 Washington Street / Pacific Highway NB-Ramps (1) Airport 53 0 83 0 0 0 0 1 0 69 254 0 0 0 460 Background 0 0 0 24 6 17 22 0 202 176 111 36 594 Total 0 269 103 311 478 0 208 97 137 0 0 0 1,603 Airport 0 119 33 1 189 0 0 0 66 0 0 0 0 408 Background 0 0 150 70 310 289 0 208 97 137 0 0 0 1,603 Airport 0 119 33 1 189 0 0 0 66 0 0 0 0 408 Background 0 150 70 310 289 0 208 97 71 0 0 0 0 1,195 Total 110 597 0 0 709 665 0 0 0 319 313 11 2,724 Airport 32 87 0 0 123 0 0 0 0 66 0 0 0 308 Background 78 510 0 0 123 0 0 0 0 66 0 0 0 308 Background 78 510 0 0 566 665 0 0 0 253 313 11 2,416 Total 207 155 231 144 210 89 61 177 143 316 155 88 1,976 Airport 0 3 11 0 4 2 1 4 0 16 5 0 46 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Total 20 177 211 39 201 41 107 461 20 270 514 32 2,093 Airport 0 124 204 0 161 0 0 0 0 265 0 0 0 754 Background 20 53 7 39 40 41 107 461 20 5 5 514 32 1,339 | | | | 53 | 0 | 83 | | 6 | 17 | 23 | 0 | 271 | 430 | 111 | 36 | 1,054 |
| Background O O O C24 6 17 C22 O C02 176 111 36 594 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | Airport | 53 | 0 | | 0 | | | | 0 | 69 | | | | 460 |
| Total 0 269 103 311 478 0 208 97 137 0 0 0 0 1,603 | | 1 | | | | | | | | 22 | 0 | | | | | |
| Airport 0 119 33 1 189 0 0 0 66 0 0 0 0 408 | | | | | | | | | | | 97 | | | | | |
| Background 0 150 70 310 289 0 208 97 71 0 0 0 0 1,195 | 26 | Washington Street / Hancock Street | | | | | | | | | | | | | | |
| Total 110 597 0 0 0 709 665 0 0 0 319 313 11 2,724 Airport 32 87 0 0 123 0 0 0 0 0 319 313 11 2,724 Airport 78 510 0 0 586 665 0 0 0 0 253 313 11 2,416 Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2,416 Total 207 155 231 144 210 89 61 177 143 316 155 88 1,976 Airport 0 3 11 0 4 2 1 4 0 16 5 0 46 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 Protein NTB, 2007 Source: HNTB, 2007 | | | | | | | | | | | | | | | | |
| 27 Washington Street / San Diego Avenue | | | | _ | | | | | | | | | | | | |
| Background 78 510 0 0 586 665 0 0 0 0 253 313 11 2.416 Total 207 155 231 144 210 89 61 177 143 316 155 88 1,976 Airport 0 3 111 0 4 2 1 1 4 0 16 5 0 46 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,936 Packground 207 152 220 144 206 87 60 173 143 300 150 88 1,936 RosecransStreet / Nimitz Boulevard Airport 0 124 204 0 161 0 0 0 0 265 0 0 0 754 Background 20 172 211 39 201 41 107 461 20 270 514 32 2,933 Airport 0 124 204 0 161 0 0 0 0 265 0 0 0 754 Background 20 53 7 39 40 41 107 461 20 2 5 514 32 1,339 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| Total 207 155 231 144 210 89 61 177 143 316 155 88 1,976 | - | g | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 3 11 0 4 2 1 4 0 16 5 0 46 Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 29 RosecransStreet / Nimitz Boulevard Airport 0 124 204 0 161 0 0 0 20 270 514 32 2,993 Airport 0 124 204 0 161 0 0 0 0 265 0 0 754 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,338 | | | | | | | | | | | | | | | | |
| Background 207 152 220 144 206 87 60 173 143 300 150 88 1,930 29 RosecransStreet / Nimitz Boulevard Airport 0 124 204 0 161 0 0 0 0 0 265 0 0 754 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 Source: HNTB, 2007 | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard | 40 | Rosecians Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 124 204 0 161 0 0 0 0 265 0 0 754 Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 | | | | | | | | | | | | | | | | |
| Background 20 53 7 39 40 41 107 461 20 5 514 32 1,339 Source: HNTB, 2007 | 20 | BonograpaStroot / Nimita Baulauand | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | ∠9 | Roseciansoneer / Nimitz Boulevard | | | | | | | | | | | | | | |
| | —— | | background | 20 | ეკ | / | აყ | 40 | 41 | 107 | 401 | ∠0 | 5 | 514 | 52 | 1,339 |
| | Source: HNTE | B, 2007 | | | | | | | | | | | | | | |

Table D-126 2030 Intersection Turning Volumes – PM Peak Hour – Proposed Airport Land Use Plan

| The | lat " 1 | | 1 | LND | No. | NDD | L CC: | CCT | 000 | L ED: | FFT. | FF5 | I Wa | I WAST | WCC | T1 |
|--|--------------|--|------------|-----|-----|-----|-------|-----|-----------|-----------|-------|-------|-----------|------------|-------|--------------|
| North Netro Driver / Michael Services North Netro Driver / Michael Services North Netro Driver / Michael Services North Netro Driver / Michael Services North Netro Driver / Michael Services North Netro Driver / Michael Services North Netro Driver / North Netro Driver | Int# | | Total | NBL | NBT | NBR | 786 | SBT | SBR 75 | EBL 52 | 820 | EBR | WBL 23 | WBT Q43 | 1 342 | Total |
| Besignorum | , | North Harbor Drive / Nimitz Blvd | | _ | | | | _ | | | | | | | | |
| North Harbor Drive / McCare St. Appendix | ' | NOTH Harbor Drive / Nimitz Bivu | | | | | | | | | | | | | | |
| North Harbor Dine / McCara St. Agoort 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | -, - |
| Resignation | 2 | North Harbor Drive / McCain St | | | | | | - | | | | | | | | |
| North Harbor Diver Spanish Lunding | - | TOTAL TIGIDS. STIVE / WICOUIT OF | | | | | | | | | | | | | | |
| North Harbor Diver Sparries Landing Region 7 | | | | | | | | | | | | | | | | |
| | 3 | North Harbor Drive / Spanish Landing | | | | | | | | | | | | | | |
| Month Harbor Drive Harbor Island Drive August 170 150 | ٠ | Notal Harbor Brive / Opanish Earlaing | | | | | | | | | | | | | | |
| North Harbor Drive Harbor Island Drive Apport 17 5 56 49 91 11 191 195 418 22 100 107 10 10 10 10 10 | | | | | | | | | | | | | | | | |
| Background 152 | 4 | North Harbor Drive / Harbor Island Drive | | | | | | | | | | | | | | |
| North Harbor Diree / Wriship Lane | - | Notification Brive / Flandor Island Brive | | | | | | | | | | | | | | |
| North Hathor Drive / Winship Lane Separation 0 | | | | | | | | | | | | | | | | |
| Biskipstand | 5 | North Harbor Drive / Winshin Lane | | | | | | | | | | | | | | |
| North Harbor Drive / Rental Car Road | ŭ | Trondit Harbor Briton Trinonip Earlo | Background | | | | | | | | | | | | | |
| North Nathor Drive Rental Car Road Airport 63 0 295 347 0 110 78 1,116 95 328 1,202 218 4,073 | | | | | | | | | | | | | | | | |
| Sherston Harbor Island Drive | 6 | North Harbor Drive / Rental Car Road | | | | | | | | | | | | | | |
| Total | - | | | | | | | | | | | | | | | |
| Sheraton / Herbor Island Drive | | | | | | | | | | | | | | | | |
| Bestground 32 369 0 0 554 70 77 2 25 0 0 0 1,100 | 7 | Sheraton / Harbor Island Drive | | | | | | | | | | | | | | |
| Bendoyne Lot / Harbor Island Drive | | | | | | | | | | | | | | | | |
| Bendergound Part | | | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway | 8 | Employee Lot / Harbor Island Drive | | | | | | | | | | | | | | |
| Packed Pacific Highway Total Pacific Highway Total Packed Pacific Highway Packed Pac | - | | | | | | | | | | | | | | | |
| Sassafras Street / Pacific Highway Amport 64 147 0 0 123 13 13 176 63 0 179 0 29 203 | | | | | | | | | | | | | | | | |
| Baseground | 9 | Sassafras Street / Pacific Highway | | | | | | | | | | | | | | |
| Color Colo | | , | | | | | | | | | | | | | | |
| Laurel Street / North Harbor Drive Alport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 0 | 10 | Laurel Street / North Harbor Drive | | | | | | | | | | | | | | |
| Hawthom Street / North Harbor Drive Arport 0 1754 0 0 2,443 0 0 0 0 0 212 0 1,815 5,728 | - 1 | | | | | | | | | | | | | | | |
| Hawthorn Street / North Harbor Drive Airport 0 319 0 0 1,325 0 0 0 0 0 0 13 0 931 2,588 | | | | | | | | | | | | | | | | |
| Beskground 0 | 11 | Hawthorn Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total Carpe Street North Harbor Drive Apport Carpe Carpe Street North Harbor Drive Apport Carpe Ca | | | | | | | | | | | | | | | | |
| 12 Grape Street / North Harbor Drive Background 0 319 22 877 461 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 10 | 12 | Grape Street / North Harbor Drive | | | | | | | | | | | | | | |
| Total 135 771 183 121 429 370 399 709 40 80 1254 131 4652 131 46 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| Background 135 681 176 113 356 246 296 249 40 86 820 122 3299 144 144 144 144 144 145 | 13 | Laurel Street / Pacific Highway | | | | | | | | | | | | | | |
| Hawthorn Street / Pacific Highway | | | | | | | | | | | | | 86 | | | |
| Hawthorn Street / Pacific Highway Airport 173 92 0 0 65 13 0 0 0 0 758 5 1,106 | | | | | | | | | | | | | | | | |
| Background 42 664 0 0 667 53 0 0 0 214 621 119 2,620 | 14 | Hawthorn Street / Pacific Highway | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |
| Airport O O Air O O O O O O O O O | | | | | | 512 | 290 | | | | | 53 | | | | |
| Background Color | 15 | Grape Street / Pacific Highway | | | | | | | | | | | | | | |
| Total 1 | | , | | | | | 289 | | | | | | | | | |
| Background 0 0 0 0 4 11 877 492 0 90 11 33 62 335 0 3.231 | | | | 0 | 0 | 0 | 416 | 877 | 870 | 0 | 1,376 | 133 | 89 | 404 | 0 | 4,165 |
| Background 0 0 0 411 877 492 0 901 133 82 335 0 3,231 | 16 | Laurel Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 5 | 0 | 378 | 0 | 475 | 0 | 7 | 69 | 0 | 934 |
| Total | | | | 0 | 0 | 0 | 411 | 877 | 492 | | 901 | 133 | 82 | 335 | 0 | 3,231 |
| Hawthorn Street / Kettner Boulevard Sangtorund O | | | | | | | | | | | | | | | | |
| Total | 17 | Hawthorn Street / Kettner Boulevard | | 0 | | | 0 | | | | | | | | | |
| Airport | | | Background | 0 | 0 | 0 | 0 | 640 | 115 | 0 | 0 | 0 | 266 | 1,359 | 0 | 2,380 |
| Background O O O O O O O O O | | | Total | 0 | 0 | 0 | 329 | 710 | 0 | 0 | 4,017 | 115 | 0 | 0 | 0 | 5,171 |
| Total 311 593 580 0 0 0 27 565 2,543 0 0 0 4,619 | 18 | Grape Street / Kettner Boulevard | Airport | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 804 | 21 | 0 | 0 | 0 | 833 |
| 19 Grape Street / I-5 Southbound On-Ramp (1) Airport 0 0 0 0 0 0 0 0 5 805 0 0 0 810 | | | Background | 0 | 0 | 0 | 322 | 709 | 0 | 0 | 3,213 | 94 | 0 | 0 | 0 | 4,338 |
| Background 311 593 580 0 0 0 27 560 1738 0 0 0 3,809 | | | Total | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 565 | 2,543 | 0 | 0 | 0 | 4,619 |
| Background 311 593 580 0 0 0 27 560 1,738 0 0 0 3,809 | 19 | Grape Street / I-5 Southbound On-Ramp (1) | Airport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 805 | 0 | 0 | 0 | 810 |
| Hawthorn Street / I-5 Northbound Off-Ramp Airport 0 0 0 0 0 0 0 0 0 | | | Background | 311 | 593 | 580 | 0 | 0 | 0 | 27 | 560 | 1,738 | 0 | 0 | 0 | 3,809 |
| Background 50 78 0 0 0 0 0 0 0 0 0 | | | Total | 50 | 78 | | 0 | 0 | 0 | 0 | 0 | | | 2,096 | 74 | 2,298 |
| Total Security Total Security Secu | 20 | Hawthorn Street / I-5 Northbound Off-Ramp | | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | 758 | | |
| Airport 19 7 0 0 0 0 400 59 20 0 58 0 563 | | | Background | 50 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,338 | 74 | 1,540 |
| Background 37 243 72 0 0 0 596 701 0 0 387 425 2,461 | | | Total | | | 72 | | 0 | 0 | | | | | | 425 | |
| Total | 21 | Laurel Street / India Street | | | | | | | | | | | | | | |
| Sassafras Street / Kettner Boulevard Airport 0 0 0 0 382 89 0 88 89 0 90 0 738 | | | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport Sassafras Street / Pacific Highway NB-Ramps Fotal Sackground Sackgroun | | | | | | | | | | | | | | | | |
| Total 245 1,737 39 0 0 0 289 57 104 0 18 22 2,511 | 22 | Sassafras Street / Kettner Boulevard | | | | | | | | | | | | | | |
| Sassafras Street / India Street Airport 90 408 0 0 0 0 88 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background 155 1,329 39 0 0 0 201 57 104 0 18 22 1,925 | | | | | | | | _ | _ | | | | | | | |
| Total | 23 | Sassafras Street / India Street | | | | | | | | | | | | | | |
| Airport 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | |
| Background O O O 1,347 134 27 O 216 45 146 34 O 1,949 | | | | | | | 1,347 | | 28 | | | | | | | |
| Total 39 0 104 52 51 6 56 14 619 386 160 45 1,532 | 24 | Washington Street / Pacific Highway SB-Ramps | | _ | | - | 0 | - | 1 | - | | | | | - | |
| Airport Section Airport Section Airport Section Sect | | | | | | | | | | | | | | | | |
| Background O O O S2 S1 6 S5 S1 S6 S65 S6 S6 S6 S6 S6 S | | | | | | | | | | 56 | | | | | | |
| Total O 579 137 333 452 O 326 194 129 O O O O 2,150 | 25 | Washington Street / Pacific Highway NB-Ramps (1) | | | | | | | _ | 1 | | | | | | |
| Airport 0 133 26 1 153 0 0 0 48 0 0 0 361 | | | | | | | | | | | | | | | | |
| Background O 446 111 332 299 O 326 194 81 O O O 0 1,789 | | | | | | | 333 | | | | | | | _ | | |
| Total 195 1,160 0 0 746 607 0 0 0 307 423 27 3,465 Airport 26 107 0 0 0 105 0 0 0 0 48 0 1 287 Background 169 1,053 0 0 641 607 0 0 0 259 423 26 3,778 Total 364 298 663 174 202 98 114 465 171 260 317 133 3,259 Airport 0 4 14 0 4 1 2 5 0 14 5 0 49 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 RosecransStreet / Nimitz Boulevard 1701 23 297 272 31 177 31 239 586 24 305 528 43 2,556 Airport 0 151 247 0 142 0 0 0 0 0 0 239 423 26 3,778 RosecransStreet / Nimitz Boulevard 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | 26 | Washington Street / Hancock Street | | | | | 1 | | | | | | | | | |
| 27 Washington Street / San Diego Avenue Airport 26 107 0 0 0 105 0 0 0 0 48 0 1 287 Background 169 1,053 0 0 641 607 0 0 0 259 423 26 3,178 28 Rosecrans Street / Pacific Highway Airport 0 4 14 0 4 1 2 5 0 14 5 0 49 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 29 RosecransStreet / Nimitz Boulevard 161 23 297 272 31 177 31 239 586 24 305 528 43 2,556 Airport 0 151 247 0 142 0 0 0 0 0 23 3 0 0 773 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | _ | | | | | _ | | | | | | | |
| Background 169 1,053 0 0 641 607 0 0 0 259 423 26 3,178 Total 364 298 663 174 202 98 114 465 177 260 317 133 3,259 Rosecrans Street / Pacific Highway Airport 0 4 14 0 4 1 2 5 0 14 5 0 49 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 Total 23 297 272 31 177 31 239 586 24 305 528 43 2,556 RosecransStreet / Nimitz Boulevard Airport 0 151 247 0 142 0 0 0 0 0 233 0 0 7573 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Forting 1 298 663 174 202 98 114 465 171 260 317 133 3,259 Airport 0 4 14 0 4 1 2 5 0 14 5 0 49 61 61 61 61 61 61 61 61 61 61 61 61 61 | 27 | Washington Street / San Diego Avenue | | | | | | | | | | | | | | |
| 28 Rosecrans Street / Pacific Highway Airport 0 4 14 0 4 1 2 5 0 14 5 0 49 Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 Total 23 297 272 31 177 31 239 586 24 305 528 43 2,556 PRosecransStreet / Nimitz Boulevard Airport 0 151 247 0 142 0 0 0 0 0 233 0 0 773 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | | | | | | | | | | | | | |
| Background 364 294 649 174 198 97 112 460 171 246 312 133 3,210 29 RosecransStreet / Nimitz Boulevard Airport 0 151 247 0 142 0 0 0 0 0 0 333 0 0 773 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | | | | | | | | | | | | | |
| Protect of the protec | 28 | Rosecrans Street / Pacific Highway | | | | | | | | | | | | | | |
| 29 RosecransStreet / Nimitz Boulevard Airport 0 151 247 0 142 0 0 0 0 233 0 0 773 Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | | | | | | | | | | | | | |
| Background 23 146 25 31 35 31 239 586 24 72 528 43 1,783 | | | | | | | | | | | | | | | | |
| | 29 | RosecransStreet / Nimitz Boulevard | | | | | | | | | | | | | | |
| Source: HNTB, 2007 | | | Background | 23 | 146 | 25 | 31 | 35 | 31 | 239 | 586 | 24 | 72 | 528 | 43 | 1,783 |
| | Source: HNTE | 3, 2007 | | | | | | | | | | | | | | |

Table D-127
2015-2030 Peak Hour Intersection Operations – Proposed Airport Land Use Plan

| | | | | 2015 | | 2020 | | 2025 | | 2030 |
|------------------------|--------------------------|--------------|-----------------|------|----------------|--------|----------------|------|-----------------|------|
| Intersection Number | Intersection | Peak Hour | Delay (Sec.) | LOS | Delay (SEC) | LOS | Delay (SEC) | LOS | Delay (Sec.) | LOS |
| 1 | North Harbor Drive/ | AM | 20.7 | С | 21.3 | С | 21.6 | С | 22.5 | С |
| | Nimitz Boulevard | PM | 21.0 | С | 21.5 | С | 21.8 | С | 22.6 | С |
| 2 | North Harbor Drive/ | AM | 9.0 | Α | 9.3 | Α | 9.7 | A | 10.4 | В |
| | McCain Road | PM | 10.6 | В | 10.9 | В | 11.1 | В | 11.7 | В |
| 3 | North Harbor Drive/ | AM | 8.2 | Α | 8.5 | Α | 8.8 | Α | 9.9 | Α |
| - | Spanish Landing | PM | 7.7 | Α | 8.1 | Α | 8.3 | Α | 8.9 | Α |
| 4 | North Harbor Drive/ | AM | 19.6 | В | 19.7 | В | 19.6 | В | 20.3 | С |
| | Harbor Island Drive | PM | 31.5 | С | 33.5 | С | 34.4 | С | 37.4 | D |
| 5 | North Harbor Drive/ | AM | 8.3 | Α | 8.3 | A | 8.2 | Α | 8.6 | Α |
| - | Winship Lane | PM | 7.2 | Α | 7.2 | Α | 7.3 | Α | 7.5 | Α |
| 6 | North Harbor Drive/ | AM | 20.2 | С | 21.9 | С | 25.2 | С | 27.7 | С |
| | Rental Car Road | PM | 32.5 | С | 37.0 | D | 42.6 | D | 47.8 | D |
| 7 | Sheraton | AM | 12.1 | В | 11.8 | В | 11.6 | В | 11.5 | В |
| | Harbor Island Drive | PM | 7.4 | Α | 7.1 | A | 6.9 | Α | 6.8 | Α |
| 8 | Employee Lot | AM | 9.9 | Α | 9.9 | A | 9.9 | Α | 9.9 | Α |
| ŭ | Harbor Island Drive | PM | 10.2 | В | 10.2 | В | 10.2 | В | 10.2 | В |
| 9 | Sassafras Street/ | AM | 15.7 | В | 15.1 | В | 15.7 | В | 14.5 | В |
| Ŭ | Pacific Highway | PM | 15.7 | В | 16.1 | В | 18.5 | В | 13.4 | В |
| 10 | Laurel Street/ | AM | 10.6 | В | 11.5 | В | 12.3 | В | 11.8 | В |
| 10 | North Harbor Drive | PM | 19.6 | В | 26.7 | C | 29.8 | C | 31.3 | C |
| 11 | Hawthorn Street/ | AM | 84.4 | F | 154.1 | F | 176.9 | F | 225.9 | F |
| | North Harbor Drive | PM | 37.7 | D | 70.4 | E | 87.1 | F. | 115.4 | F |
| 12 | Grape Street/ | AM | 8.9 | A | 8.9 | A | 9.0 | A | 9.1 | A |
| 12 | North Harbor Drive | PM | 11.7 | В | 11.5 | В | 11.9 | В | 11.9 | В |
| 13 | Laurel Street/ | AM | 34.5 | C | 34.7 | С | 35.4 | D | 34.8 | С |
| 13 | Pacific Highway | PM | 69.3 | E | 65.0 | E | 58.4 | E | 66.6 | E |
| 14 | Hawthorn Street/ | AM | 15.9 | В | 18.1 | В | 21.6 | C | 26.1 | C |
| 14 | Pacific Highway | PM | 23.0 | C | 24.2 | C | 25.4 | C | 24.9 | C |
| 15 | Grape Street/ | AM | 19.6 | В | 20.5 | C | 21.0 | C | 20.9 | C |
| 15 | Pacific Highway | PM | 38.4 | D | 64.7 | E | 83.0 | F | 72.2 | E |
| 16 | Laurel Street/ | AM | 19.5 | В | 19.7 | B | 19.8 | В | 22.1 | C |
| 16 | Kettner Boulevard | PM | 23.7 | C | 27.6 | C | 25.7 | C | 35.2 | D |
| 47 | Hawthorn Street/ | AM | 6.4 | A | 10.9 | | 10.4 | В | 16.9 | В |
| 17 | | PM | 10.9 | В | 15.5 | B B | 13.6 | В | 14.2 | В |
| 40 | Kettner Boulevard | | | | | | | В | | В |
| 18 | Grape Street/ | AM | 12.8 | В | 14.7 | В | 14.0 | | 14.7 | |
| | Kettner Boulevard | PM | 29.6 | С | 71.2 | E | 70.9 | E | 98.3 | F |
| 19 | Grape Street/ | AM | 10.4 | В | 11.6 | В | 11.3 | В | 15.4 | В |
| | I-5 Southbound On-Ramp | PM | 48.9 | D | 43.6 | D | 52.3 | D | 113.0 | F |
| 20 | Hawthorn Street/ | AM | 21.4 | С | 10.3 | В | 10.5 | В | 22.5 | С |
| | I-5 Northbound Off-Ramp | PM | 18.3 | В | 11.8 | В | 11.2 | В | 10.8 | В |
| 21 | Laurel Street/ | AM | 18.4 | В | 17.9 | В | 18.1 | В | 16.9 | В |
| | India Street | PM | 23.2 | С | 22.1 | С | 22.4 | С | 22.1 | С |
| 22 | Sassafras Street/ | AM | 9.6 | A | 30.7 | С | 16.8 | В | 13.2 | В |
| | Kettner Boulevard | PM | 12.4 | В | 140.8 | F | 102.7 | F | 80.9 | F |
| 23 | Sassafras Street/ | AM | 8.2 | A | 8.7 | Α | 9.1 | Α | 8.0 | Α |
| | India Street | PM | 18.2 | В | 16.0 | В | 16.7 | В | 17.6 | В |
| 24 | Washington Street/ | AM | 12.2 | В | 12.3 | В | 11.9 | В | 12.8 | В |
| | Pacific Highway SB-Ramps | PM | 15.3 | В | 15.4 | В | 15.5 | В | 18.1 | В |
| 25 | Washington Street/ | AM | 69.3 | E | 89.3 | F | 101.2 | F | 54.6 | D |
| | Pacific Highway NB-Ramps | PM | 106.8 | F | 136.9 | F | 162.3 | F | 81.9 | F |
| 26 | Washington Street/ | AM | 27.8 | С | 28.5 | С | 28.6 | С | 26.0 | С |
| _ | Hancock Street | PM | 30.6 | С | 32.3 | С | 32.7 | С | 27.7 | С |
| 27 | Washington Street/ | AM | 13.3 | В | 13.0 | В | 12.9 | В | 15.2 | В |
| | San Diego Avenue | PM | 14.0 | В | 14.0 | В | 13.9 | В | 16.6 | В |
| 28 | Rosecrans Street/ | AM | 36.4 | D | 36.2 | D | 36.2 | D | 37.3 | D |
| | Pacific Highway | PM | 45.0 | D | 41.4 | D | 42.1 | D | 43.2 | D |
| 29 | RosecransStreet/ | AM | 23.5 | С | 25.4 | С | 25.0 | С | 27.8 | С |
| - | Nimitz Boulevard | PM | 27.5 | С | 28.4 | Ċ | 28.3 | С | 30.7 | С |

LOS = Level of service

Table D-128

2015-2030 Intersection Impacts – Proposed Airport Land Use Plan, 2015-2020

| | | | | Year 2015 | | | Year 2020 | |
|--------------|--------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|
| Intersection | Intersection | Peak | No Proj. | No Project | Diff. | No Proj. | No Project | Diff. |
| Number | | Hour | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) |
| 1 | North Harbor Drive/ | AM | 20.4 | 20.7 | 0.3 | 20.9 | 21.3 | 0.4 |
| | Nimitz Boulevard | PM | 20.4 | 21.0 | 0.6 | 20.9 | 21.5 | 0.6 |
| 2 | North Harbor Drive/ | AM | 7.2 | 9.0 | 1.8 | 7.4 | 9.3 | 1.9 |
| | McCain Road | PM | 9.9 | 10.6 | 0.7 | 10.2 | 10.9 | 0.7 |
| 3 | North Harbor Drive/ | AM | 10.9 | 8.2 | -2.7 | 11.2 | 8.5 | -2.7 |
| | Spanish Landing | PM | 9.3 | 7.7 | -1.6 | 9.8 | 8.1 | -1.7 |
| 4 | North Harbor Drive/ | AM | 20.4 | 19.6 | -0.8 | 20.9 | 19.7 | -1.2 |
| | Harbor Island Drive | PM | 31.4 | 31.5 | 0.1 | 32.8 | 33.5 | 0.7 |
| 5 | North Harbor Drive/ | AM | 10.6 | 8.3 | -2.3 | 10.8 | 8.3 | -2.5 |
| | Winship Lane | PM | 10.3 | 7.2 | -3.1 | 10.4 | 7.2 | -3.2 |
| 6 | North Harbor Drive/ | AM | 7.5 | 20.2 | 12.7 | 8.2 | 21.9 | 13.7 |
| | Rental Car Road | PM | 8.5 | 32.5 | 24.0 | 9.2 | 37.0 | 27.8 |
| 7 | Sheraton | AM | 12.3 | 12.1 | -0.2 | 12.0 | 11.8 | -0.2 |
| | Harbor Island Drive | PM | 7.4 | 7.4 | 0.0 | 7.2 | 7.1 | -0.1 |
| 8 | Employee Lot | AM | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 |
| | Harbor Island Drive | PM | 10.1 | 10.2 | 0.1 | 10.2 | 10.2 | 0.0 |
| 9 | Sassafras Street/ | AM | 15.4 | 15.7 | 0.3 | 15.1 | 15.1 | 0.0 |
| | Pacific Highway | PM | 16.6 | 15.7 | -0.9 | 16.5 | 16.1 | -0.4 |
| 10 | Laurel Street/ | AM | 10.1 | 10.6 | 0.5 | 10.8 | 11.5 | 0.7 |
| | North Harbor Drive | PM | 16.3 | 19.6 | 3.3 | 18.7 | 26.7 | 8.0 |
| 11 | Hawthorn Street/ | AM | 49.6 | 84.4 | 34.8 | 112.8 | 154.1 | 41.3 |
| | North Harbor Drive | PM | 25.2 | 37.7 | 12.5 | 33.7 | 70.4 | 36.7 |
| 12 | Grape Street/ | AM | 8.4 | 8.9 | 0.5 | 8.3 | 8.9 | 0.6 |
| | North Harbor Drive | PM | 11.0 | 11.7 | 0.7 | 10.7 | 11.5 | 0.8 |
| 13 | Laurel Street/ | AM | 33.7 | 34.5 | 0.8 | 33.9 | 34.7 | 0.8 |
| | Pacific Highway | PM | 62.4 | 69.3 | 6.9 | 59.5 | 65.0 | 5.5 |
| 14 | Hawthorn Street/ | AM | 14.3 | 15.9 | 1.6 | 15.8 | 18.1 | 2.3 |
| | Pacific Highway | PM | 22.0 | 23.0 | 1.0 | 22.9 | 24.2 | 1.3 |
| 15 | Grape Street/ | AM | 19.0 | 19.6 | 0.6 | 19.9 | 20.5 | 0.6 |
| | Pacific Highway | PM | 32.8 | 38.4 | 5.6 | 53.1 | 64.7 | 11.6 |
| 16 | Laurel Street/ | AM | 19.6 | 19.5 | -0.1 | 19.8 | 19.7 | -0.1 |
| | Kettner Boulevard | PM | 22.9 | 23.7 | 8.0 | 25.9 | 27.6 | 1.7 |
| 17 | Hawthorn Street/ | AM | 6.2 | 6.4 | 0.2 | 10.3 | 10.9 | 0.6 |
| | Kettner Boulevard | PM | 11.3 | 10.9 | -0.4 | 15.6 | 15.5 | -0.1 |
| 18 | Grape Street/ | AM | 13.1 | 12.8 | -0.3 | 14.8 | 14.7 | -0.1 |
| | Kettner Boulevard | PM | 22.8 | 29.6 | 6.8 | 55.3 | 71.2 | 15.9 |
| 19 | Grape Street/ | AM | 8.9 | 10.4 | 1.5 | 11.6 | 11.6 | 0.0 |
| | I-5 Southbound On-Ramp | PM | 35.2 | 48.9 | 13.7 | 32.9 | 43.6 | 10.7 |
| 20 | Hawthorn Street/ | AM | 10.6 | 21.4 | 10.8 | 10.8 | 10.3 | -0.5 |
| | I-5 Northbound Off-Ramp | PM | 12.0 | 18.3 | 6.3 | 12.1 | 11.8 | -0.3 |
| 21 | Laurel Street/ | AM | 19.4 | 18.4 | -1.0 | 22.6 | 17.9 | -4.7 |
| | India Street | PM | 22.9 | 23.2 | 0.3 | 22.1 | 22.1 | 0.0 |
| 22 | Sassafras Street/ | AM | 9.2 | 9.6 | 0.4 | 19.4 | 30.7 | 11.3 |
| | Kettner Boulevard | PM | 12.5 | 12.4 | -0.1 | 121.5 | 140.8 | 19.3 |
| 23 | Sassafras Street/ | AM | 8.2 | 8.2 | 0.0 | 8.7 | 8.7 | 0.0 |
| | India Street | PM | 17.3 | 18.2 | 0.9 | 15.3 | 16.0 | 0.7 |
| 24 | Washington Street/ | AM | 12.7 | 12.2 | -0.5 | 13.0 | 12.3 | -0.7 |
| | Pacific Highway SB-Ramps | PM | 15.1 | 15.3 | 0.2 | 15.3 | 15.4 | 0.1 |
| 25 | Washington Street/ | AM | 46.7 | 69.3 | 22.6 | 56.0 | 89.3 | 33.3 |
| | Pacific Highway NB-Ramps | PM | 107.8 | 106.8 | -1.0 | 130.2 | 136.9 | 6.7 |
| 26 | Washington Street/ | AM | 28.1 | 27.8 | -0.3 | 28.7 | 28.5 | -0.2 |
| | Hancock Street | PM | 30.8 | 30.6 | -0.2 | 32.4 | 32.3 | -0.1 |
| 27 | Washington Street/ | AM | 13.1 | 13.3 | 0.2 | 12.7 | 13.0 | 0.3 |
| | San Diego Avenue | PM | 14.1 | 14.0 | -0.1 | 14.1 | 14.0 | -0.1 |
| 28 | Rosecrans Street/ | AM | 36.4 | 36.4 | 0.0 | 36.1 | 36.2 | 0.1 |
| | Pacific Highway | PM | 44.8 | 45.0 | 0.2 | 41.3 | 41.4 | 0.1 |
| 29 | RosecransStreet/ | AM | 21.8 | 23.5 | 1.7 | 24.3 | 25.4 | 1.1 |
| | Nimitz Boulevard | PM | 25.3 | 27.5 | 2.2 | 26.7 | 28.4 | 1.7 |

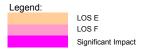
LOS E
LOS F
Significant Impact

NOTE: Table D-128 was shown as one table in the 2007 Draft EIR. In this Final EIR, it is shown as two tables (2015-2020 and 2025-2030) due to table size.

Table D-128 (continued)

2015-2030 Intersection Impacts – Proposed Airport Land Use Plan, 2025-2030

| | | | | Year 2025 | | Year 2030 | | | | |
|------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--|--|
| Intersection Number | Intersection | Peak Hour | No Proj. | No Project | Diff. | No Proj. | Ne Project | Diff. | | |
| | | | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec.) | Delay (Sec. | | |
| 1 | North Harbor Drive/ | AM | 21.1 | 21.6 | 0.5 | 21.7 | 22.5 | 8.0 | | |
| | Nimitz Boulevard | PM | 21.1 | 21.8 | 0.7 | 21.6 | 22.6 | 1.0 | | |
| 2 | North Harbor Drive/ | AM | 7.6 | 9.7 | 2.1 | 7.6 | 10.4 | 2.8 | | |
| | McCain Road | PM | 10.3 | 11.1 | 0.8 | 10.3 | 11.7 | 1.4 | | |
| 3 | North Harbor Drive/ | AM | 11.7 | 8.8 | -2.9 | 13.1 | 9.9 | -3.2 | | |
| | Spanish Landing | PM | 10.0 | 8.3 | -1.7 | 11.2 | 8.9 | -2.3 | | |
| 4 | North Harbor Drive/ | AM | 20.8 | 19.6 | -1.2 | 21.9 | 20.3 | -1.6 | | |
| | Harbor Island Drive | PM | 33.3 | 34.4 | 1.1 | 34.9 | 37.4 | 2.5 | | |
| 5 | North Harbor Drive/ | AM | 10.7 | 8.2 | -2.5 | 11.1 | 8.6 | -2.5 | | |
| | Winship Lane | PM | 10.6 | 7.3 | -3.3 | 10.7 | 7.5 | -3.2 | | |
| 6 | North Harbor Drive/ | AM | 8.8 | 25.2 | 16.4 | 9.0 | 27.7 | 18.7 | | |
| | Rental Car Road | PM | 9.6 | 42.6 | 33.0 | 10.0 | 47.8 | 37.8 | | |
| 7 | Sheraton | AM | 11.8 | 11.6 | -0.2 | 11.6 | 11.5 | -0.1 | | |
| | Harbor Island Drive | PM | 7.0 | 6.9 | -0.1 | 6.9 | 6.8 | -0.1 | | |
| 8 | Employee Lot | AM | 9.9 | 9.9 | 0.0 | 9.9 | 9.9 | 0.0 | | |
| | Harbor Island Drive | PM | 10.2 | 10.2 | 0.0 | 10.1 | 10.2 | 0.1 | | |
| 9 | Sassafras Street/ | AM | 15.6 | 15.7 | 0.1 | 14.0 | 14.5 | 0.5 | | |
| | Pacific Highway | PM | 18.5 | 18.5 | 0.0 | 14.1 | 13.4 | -0.7 | | |
| 10 | Laurel Street/ | AM | 11.3 | 12.3 | 1.0 | 10.5 | 11.8 | 1.3 | | |
| | North Harbor Drive | PM | 19.3 | 29.8 | 10.5 | 19.4 | 31.3 | 11.9 | | |
| 11 | Hawthorn Street/ | AM | 131.7 | 176.9 | 45.2 | 173.0 | 225.9 | 52.9 | | |
| | North Harbor Drive | PM | 40.7 | 87.1 | 46.4 | 55.9 | 115.4 | 59.5 | | |
| 12 | Grape Street/ | AM | 8.4 | 9.0 | 0.6 | 8.3 | 9.1 | 0.8 | | |
| | North Harbor Drive | PM | 11.0 | 11.9 | 0.9 | 10.9 | 11.9 | 1.0 | | |
| 13 | Laurel Street/ | AM | 34.4 | 35.4 | 1.0 | 33.7 | 34.8 | 1.1 | | |
| | Pacific Highway | PM | 53.1 | 58.4 | 5.3 | 60.4 | 66.6 | 6.2 | | |
| 14 | Hawthorn Street/ | AM | 17.7 | 21.6 | 3.9 | 18.9 | 26.1 | 7.2 | | |
| | Pacific Highway | PM | 23.8 | 25.4 | 1.6 | 23.3 | 24.9 | 1.6 | | |
| 15 | Grape Street/ | AM | 20.3 | 21.0 | 0.7 | 20.2 | 20.9 | 0.7 | | |
| | Pacific Highway | PM | 68.6 | 83.0 | 14.4 | 56.5 | 72.2 | 15.7 | | |
| 16 | Laurel Street/ | AM | 19.9 | 19.8 | -0.1 | 21.9 | 22.1 | 0.2 | | |
| | Kettner Boulevard | PM | 24.8 | 25.7 | 0.9 | 31.9 | 35.2 | 3.3 | | |
| 17 | Hawthorn Street/ | AM | 9.6 | 10.4 | 0.8 | 13.0 | 16.9 | 3.9 | | |
| | Kettner Boulevard | PM | 13.9 | 13.6 | -0.3 | 14.2 | 14.2 | 0.0 | | |
| 18 | Grape Street/ | AM | 14.2 | 14.0 | -0.2 | 14.8 | 14.7 | -0.1 | | |
| | Kettner Boulevard | PM | 54.0 | 70.9 | 16.9 | 77.1 | 98.3 | 21.2 | | |
| 19 | Grape Street/ | AM | 11.5 | 11.3 | -0.2 | 15.1 | 15.4 | 0.3 | | |
| | I-5 Southbound On-Ramp | PM | 38.6 | 52.3 | 13.7 | 87.1 | 113.0 | 25.9 | | |
| 20 | Hawthorn Street/ | AM | 19.6 | 10.5 | -9.1 | 15.3 | 22.5 | 7.2 | | |
| | I-5 Northbound Off-Ramp | PM | 16.4 | 11.2 | -5.2 | 11.0 | 10.8 | -0.2 | | |
| 21 | Laurel Street/ | AM | 22.9 | 18.1 | -4.8 | 23.0 | 16.9 | -6.1 | | |
| | India Street | PM | 26.8 | 22.4 | -4.4 | 32.4 | 22.1 | -10.3 | | |
| 22 | Sassafras Street/ | AM | 11.9 | 16.8 | 4.9 | 9.6 | 13.2 | 3.6 | | |
| | Kettner Boulevard | PM | 82.1 | 102.7 | 20.6 | 62.5 | 80.9 | 18.4 | | |
| 23 | Sassafras Street/ | AM | 9.0 | 9.1 | 0.1 | 8.0 | 8.0 | 0.0 | | |
| | India Street | PM | 15.7 | 16.7 | 1.0 | 16.6 | 17.6 | 1.0 | | |
| 24 | Washington Street/ | AM | 12.8 | 11.9 | -0.9 | 12.4 | 12.8 | 0.4 | | |
| | Pacific Highway SB-Ramps | PM | 15.5 | 15.5 | 0.0 | 17.4 | 18.1 | 0.7 | | |
| 25 | Washington Street/ | AM | 59.8 | 101.2 | 41.4 | 31.1 | 54.6 | 23.5 | | |
| | Pacific Highway NB-Ramps | PM | 156.4 | 162.3 | 5.9 | 79.3 | 81.9 | 2.6 | | |
| 26 | Washington Street/ | AM | 28.8 | 28.6 | -0.2 | 25.9 | 26.0 | 0.1 | | |
| | Hancock Street | PM | 32.7 | 32.7 | 0.0 | 28.0 | 27.7 | -0.3 | | |
| 27 | Washington Street/ | AM | 12.5 | 12.9 | 0.4 | 15.0 | 15.2 | 0.2 | | |
| 21 | San Diego Avenue | PM | 14.0 | 13.9 | -0.1 | 16.8 | 16.6 | -0.2 | | |
| 28 | Rosecrans Street/ | AM | 36.2 | 36.2 | 0.0 | 37.3 | 37.3 | 0.0 | | |
| 20 | Pacific Highway | PM | 41.9 | 42.1 | 0.0 | 42.9 | 43.2 | 0.0 | | |
| 29 | RosecransStreet/ | AM | 23.6 | 25.0 | 1.4 | 26.8 | 27.8 | 1.0 | | |
| 23 | Nimitz Boulevard | PM | 26.5 | 28.3 | 1.4 | 28.9 | 30.7 | | | |
| | INITIILE DUUIEVATU | LINI | 20.5 | 20.3 | 1.0 | 20.9 | 30.7 | 1.8 | | |



D.7.3.3 Freeway Segments

Table D-129 shows the freeway segment operations for each analysis year under the Land Use Plan. As shown, all freeway segments would operate at LOS D, E or F under the Land Use Plan during either AM or PM peak hours or both.

Table D-129
2015-2030 Freeway Segment Operations – Proposed Airport Land Use Plan (2015-2020)

| CDIE | 2015 | | | | | | | 2020 | | | | | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|--|
| SB I-3 I | Freeway | | AM | | PM | | | AM | | | PM | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | |
| North of I-8 | I-8 | 7,300 | 36.3 | E | 8,500 | 42.3 | E | 7,100 | 35.3 | Е | 9,700 | 48.5 | F | |
| I-8 | Old Town Avenue | 7,400 | 37.0 | E | 7,500 | 37.6 | E | 7,100 | 35.2 | E | 9,100 | 45.2 | F | |
| Old Town Avenue | Washington Street | 6,100 | 30.5 | D | 6,400 | 31.7 | D | 5,300 | 26.4 | D | 6,500 | 32.6 | D | |
| Washington Street | Pacific Highway Viaducts | 6,400 | 32.1 | D | 6,600 | 33.1 | D | 5,700 | 28.5 | D | 7,500 | 37.6 | E | |
| Pacific Highway Viaducts | India Street | 7,400 | 36.7 | E | 8,400 | 41.8 | E | 6,200 | 30.9 | D | 8,400 | 41.8 | E | |
| India Street | Hawthorn Street | 7,500 | 37.4 | Е | 8,300 | 41.6 | Е | 6,500 | 32.5 | D | 8,800 | 44.0 | E | |
| Hawthorn Street | First Avenue | 6,400 | 31.9 | D | 7,500 | 37.6 | E | 5,500 | 27.3 | D | 7,800 | 38.7 | Е | |
| First Avenue | SR 163 | 6,700 | 33.6 | D | 9,500 | 47.6 | F | 5,900 | 29.3 | D | 9,700 | 48.4 | F | |
| SR 163 | SR 94 | 4,000 | 19.9 | С | 5,500 | 27.5 | D | 3,600 | 17.7 | В | 5,600 | 28.0 | D | |
| NB I-5 Freeway | | 2015 | | | | | | | 2020 | | | | | |
| | | | AM | | | PM | | AM | | | AM | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | |
| SR 94 | SR 163 | 11,600 | 57.7 | F | 8,100 | 40.5 | Е | 11,000 | 54.7 | F | 7,200 | 35.8 | Е | |
| SR 163 | First Avenue | 8,800 | 43.8 | Е | 8,100 | 40.4 | E | 8,500 | 42.3 | Е | 7,800 | 38.9 | Е | |
| First Avenue | Hawthorn Street | 7,300 | 36.4 | Е | 6,700 | 33.3 | D | 6,900 | 34.2 | D | 6,000 | 30.0 | D | |
| Hawthorn Street | India Street | 7,300 | 36.5 | E | 7,700 | 38.6 | E | 7,100 | 35.4 | Е | 7,400 | 36.7 | Е | |
| India Street | Pacific Highway Viaducts | 7,300 | 36.3 | E | 7,600 | 37.9 | Е | 7,000 | 34.7 | D | 6,900 | 34.4 | D | |
| Pacific Highway Viaducts | Washington Street | 5,100 | 25.4 | С | 6,100 | 30.6 | D | 4,800 | 24.1 | С | 5,600 | 28.1 | D | |
| Washington Street | Old Town Avenue | 6,200 | 30.8 | D | 7,200 | 36.1 | E | 6,100 | 30.2 | D | 7,200 | 35.8 | Е | |
| Old Town Avenue | I-8 | 6,100 | 30.5 | D | 7,500 | 37.2 | E | 5,800 | 29.1 | D | 7,000 | 35.1 | Е | |
| I-8 | North of I-8 | 7,500 | 37.3 | Е | 7,700 | 38.6 | Е | 7,500 | 37.4 | Е | 7,900 | 39.5 | E | |
| I-8 Freeway | | 2015 | | | | | 2020 | | | | | | | |
| | | AM | | | PM | | | AM | | | AM | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | |
| I-5 | East | 5,900 | 29.6 | D | 7,900 | 39.3 | Е | 5,100 | 25.4 | С | 7,700 | 38.3 | Е | |
| East | I-5 | 7.200 | 36.1 | E | 7,700 | 38.2 | F | 6.800 | 34.0 | D | 7,200 | 36.1 | Е | |

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Table D-129 (continued)
2015-2030 Freeway Segment Operations – Proposed Airport Land Use Plan (2025-2030)

| SB I-5 I | 2025 | | | | | | | 2030 | | | | | | | |
|--------------------------|--------------------------|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|-----------------|-----------------------|-----|--|--|
| 36 1-3 1 | rreeway | | AM | | | PM | | | AM | | | PM | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | | |
| North of I-8 | I-8 | 7,300 | 36.2 | E | 9,600 | 47.8 | F | 7,800 | 38.7 | Е | 9,300 | 46.5 | F | | |
| I-8 | Old Town Avenue | 7,200 | 36.1 | E | 9,000 | 44.9 | Е | 7,700 | 38.2 | Е | 8,500 | 42.6 | E | | |
| Old Town Avenue | Washington Street | 5,400 | 27.2 | D | 6,600 | 32.7 | D | 5,700 | 28.3 | D | 6,500 | 32.4 | D | | |
| Washington Street | Pacific Highway Viaducts | 6,000 | 29.8 | D | 7,600 | 38.0 | E | 6,100 | 30.4 | D | 7,000 | 34.7 | D | | |
| Pacific Highway Viaducts | India Street | 6,500 | 32.2 | D | 8,500 | 42.2 | E | 6,700 | 33.4 | D | 8,300 | 41.2 | Е | | |
| India Street | Hawthorn Street | 6,800 | 33.7 | D | 8,900 | 44.4 | E | 6,900 | 34.6 | D | 8,500 | 42.6 | Е | | |
| Hawthorn Street | First Avenue | 5,700 | 28.4 | D | 7,900 | 39.6 | Е | 5,700 | 28.6 | D | 8,000 | 39.7 | Е | | |
| First Avenue | SR 163 | 6,200 | 30.7 | D | 9,900 | 49.4 | F | 6,200 | 31.0 | D | 10,000 | 49.8 | F | | |
| SR 163 | SR 94 | 3,700 | 18.4 | С | 5,800 | 28.9 | D | 3,800 | 18.9 | С | 5,700 | 28.2 | D | | |
| NB I-5 Freeway | | 2025 | | | | | | | 2030 | | | | | | |
| | | | AM | | | AM | | | AM | | | PM | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | | |
| SR 94 | SR 163 | 11,100 | 55.6 | F | 7,300 | 36.6 | Е | 11,000 | 54.7 | F | 7,700 | 38.4 | Е | | |
| SR 163 | First Avenue | 8.600 | 43.0 | E | 7.900 | 39.6 | Е | 8.300 | 41.6 | Е | 7.900 | 39.3 | Е | | |
| First Avenue | Hawthorn Street | 6,800 | 33.9 | D | 6,100 | 30.3 | D | 6,500 | 32.7 | D | 6,400 | 31.8 | D | | |
| Hawthorn Street | India Street | 7,000 | 35.1 | Е | 7,400 | 37.0 | Е | 6,500 | 32.3 | D | 8,000 | 39.7 | Е | | |
| India Street | Pacific Highway Viaducts | 6,900 | 34.3 | D | 7,000 | 34.8 | D | 6,400 | 31.9 | D | 7,200 | 35.9 | Е | | |
| Pacific Highway Viaducts | Washington Street | 4,700 | 23.6 | С | 5,600 | 28.0 | D | 4,400 | 22.0 | С | 5,900 | 29.6 | D | | |
| Washington Street | Old Town Avenue | 5,900 | 29.7 | D | 7,200 | 35.9 | Е | 5,600 | 28.1 | D | 7,200 | 35.8 | Е | | |
| Old Town Avenue | I-8 | 5,700 | 28.5 | D | 7,000 | 34.7 | D | 5,400 | 26.9 | D | 7,200 | 36.1 | Е | | |
| I-8 | North of I-8 | 7,500 | 37.5 | E | 7,900 | 39.6 | Е | 7,600 | 37.7 | Е | 8,700 | 43.4 | E | | |
| 105 | | 2025 | | | | | | 2030 | | | | | | | |
| I-8 Freeway | | AM AM | | | | | | AM PM | | | | | | | |
| From | То | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | Volume (vph) | Density (pc/mi/ln) | LOS | | |
| I-5 | East | 5,100 | 25.5 | С | 7,700 | 38.2 | Е | 4,900 | 24.6 | С | 7,500 | 37.5 | Е | | |
| East | I-5 | 7,100 | 35.2 | E | 7,300 | 36.6 | Е | 7,400 | 36.8 | E | 7,200 | 35.9 | E | | |

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Table D-130 compares the freeway segment densities under the Proposed Airport Implementation Plan (With Parking Structure) Proposed Airport Land Use Plan against the No Project Alternative to identify freeway segment impacts based on significance criteria identified in Section D.2, *Traffic Impacts and Significance Criteria*, measured by an increase to LOS E or F or an increase in volume to capacity ratio of greater than 0.01 for freeways operating at LOS E and .005 for freeways operating at LOS F under the No Project Alternative. It was assumed that an increase in volume to capacity ratio of 0.01 and 0.005 is equivalent to an increase in density of 1% and 0.5%, respectively. As shown, the following freeway segments would potentially be significantly impacted by the project:

Freeway Segments with Significant Traffic Impacts

Year 2015

- I-5 (northbound and southbound segments, AM and PM peak hours)
 - o nNorth of I-8 (AM and PM southbound segment only)
 - o I-8 to Old Town Avenue (AM southbound segment only; PM both directions)
 - o Old Town Avenue to Washington Street (PM northbound segment only)
 - Hawthorn Street to First Avenue (AM northbound segment only; PM southbound segment only)
 - o First Avenue to SR-163 (AM northbound segment only; PM both directions)
 - o SR-163 to SR-94 (AM and PM northbound segment only)
- I-8 East of I-5 (westbound segment only, AM and PM)

Year 2020

- All segments identified in Year 2015 above (except for I-5 NB between First Avenue and hawthorn Street which improved to LOS D during the AM peak hour), plus the following:
- Northbound I-5 between Hawthorn Street and India Street (AM)
- Northbound I-5 north of I-8 (PM)

Year 2025

- All segments identified in Year 2020 above (except for I-5 NB between Old Town Avenue and I-8 which improved to LOS D during the PM peak hour), plus the following:
- I-8 East of I-5 (eastbound segment, AM and PM)

- All segments identified in Year 2025 above (except for I-5 NB between Hawthorn Street and India Street which improved to LOS D during the AM peak hour), plus the following:
- Northbound I-5 between <u>I-8 and Old Town Avenue (PM)</u> Pacific Highway Viaduct and Washington Street (AM)

Table D-130 2015-2030 Freeway Segment Impacts – Proposed Airport Land Use Plan – AM Peak Hour

| Airi | ak Hour | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| SB I-5 I | Freeway | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease wi Mitigation |
| North of I-8 | I-8 | 35.8 | 36.3 | 1.4% | 34.8 | 35.3 | 1.6% | 35.6 | 36.2 | 1.8% | 38.0 | 38.7 | 1.8% |
| I-8 | Old Town Avenue | 36.4 | 37.0 | 1.7% | 34.5 | 35.2 | 1.9% | 35.4 | 36.1 | 2.1% | 37.5 | 38.2 | 1.8% |
| Old Town Avenue | Washington Street | 29.9 | 30.5 | 2.0% | 25.7 | 26.4 | 2.6% | 26.5 | 27.2 | 2.8% | 27.6 | 28.3 | 2.4% |
| Washington Street | Pacific Highway Viaducts | 32.1 | 32.1 | 0.0% | 28.5 | 28.5 | 0.0% | 29.8 | 29.8 | 0.0% | 30.4 | 30.4 | 0.0% |
| Pacific Highway Viaducts | India Street | 36.7 | 36.7 | 0.1% | 30.9 | 30.9 | 0.2% | 32.2 | 32.2 | 0.2% | 33.4 | 33.4 | 0.1% |
| India Street | Hawthorn Street | 37.4 | 37.4 | 0.1% | 32.5 | 32.5 | 0.2% | 33.7 | 33.7 | 0.2% | 34.5 | 34.6 | 0.1% |
| Hawthorn Street | First Avenue | 31.4 | 31.9 | 1.6% | 26.8 | 27.3 | 1.9% | 27.8 | 28.4 | 2.1% | 28.0 | 28.6 | 2.4% |
| First Avenue | SR 163 | 33.1 | 33.6 | 1.5% | 28.8 | 29.3 | 1.8% | 30.1 | 30.7 | 1.9% | 30.4 | 31.0 | 2.2% |
| SR 163 | SR 94 | 19.4 | 19.9 | 2.6% | 17.2 | 17.7 | 3.0% | 17.8 | 18.4 | 3.2% | 18.2 | 18.9 | 3.6% |
| | | | | | | | | | | | | | |
| NB I-5 I | Freeway | 1 | | | | | | | 1 | | | 1 | |
| NB I-5 I | Freeway To | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation |
| | , | | Mitigation | Increase/_ Decrease with | | Mitigation | Increase/ Decrease with | | Mitigation | Increase <u>/</u> Decrease with | | Mitigation | Increase/ Decrease wi |
| From | То | (pc/mi/ln) | Mitigation (pc/mi/ln) | Increase <u>/</u> Decrease with <u>Mitigation</u> | (pc/mi/ln) | Mitigation (pc/mi/ln) | Increase <u>/</u> Decrease with <u>Mitigation</u> | (pc/mi/ln) | Mitigation (pc/mi/ln) | Increase <u>/</u> Decrease with <u>Mitigation</u> | (pc/mi/ln) | Mitigation (pc/mi/ln) | Increase/ Decrease wi Mitigation |
| From SR 94 | To SR 163 | (pc/mi/ln) 56.7 | Mitigation (pc/mi/ln) 57.7 | Increase/_ Decrease with Mitigation 1.8% | (pc/mi/ln) 53.6 | Mitigation (pc/mi/ln) | Increase/_ Decrease with Mitigation 2.1% | (pc/mi/ln) 54.3 | Mitigation (pc/mi/ln) 55.6 | Increase/_ Decrease with Mitigation 2.3% | (pc/mi/ln) 53.4 | Mitigation (pc/mi/ln) | Increase/ Decrease wi Mitigation 2.6% |
| From SR 94 SR 163 | To SR 163 First Avenue | (pc/mi/ln) 56.7 42.7 | Mitigation (pc/mi/ln) 57.7 43.8 | Increase/_ Decrease with Mitigation 1.8% 2.4% | (pc/mi/ln) 53.6 41.2 | Mitigation (pc/mi/ln) 54.7 42.3 | Increase/_ Decrease with Mitigation | (pc/mi/ln) 54.3 41.8 | Mitigation (pc/mi/ln) 55.6 43.0 | Increase/ Decrease with Mitigation 2.3% 3.0% | (pc/mi/ln) 53.4 40.3 | Mitigation (pc/mi/ln) 54.7 41.6 | Increase/ Decrease winditigation 2.6% 3.4% |
| From SR 94 SR 163 First Avenue | To SR 163 First Avenue Hawthorn Street | (pc/mi/ln) 56.7 42.7 35.4 | Mitigation (pc/mi/ln) 57.7 43.8 36.4 | Increase/_ Decrease with Mitigation 1.8% 2.4% 2.9% | (pc/mi/ln) 53.6 41.2 33.1 | Mitigation (pc/mi/ln) 54.7 42.3 34.2 | Increase/ Decrease with Mitigation 2.1% 2.7% 3.4% | (pc/mi/ln) 54.3 41.8 32.6 | Mitigation (pc/mi/ln) 55.6 43.0 33.9 | Increase/ Decrease with Mitigation 2.3% 3.0% 3.8% | (pc/mi/ln) 53.4 40.3 31.3 | Mitigation (pc/mi/ln) 54.7 41.6 32.7 | Increase/ Decrease w Mitigation 2.6% 3.4% 4.4% |
| From SR 94 SR 163 First Avenue Hawthorn Street | To SR 163 First Avenue Hawthorn Street India Street | (pc/mi/ln) 56.7 42.7 35.4 36.3 | Mitigation (pc/mi/ln) 57.7 43.8 36.4 36.5 | Increase/ Decrease with Mitigation 1.8% 2.4% 2.9% 0.7% | (pc/mi/ln) 53.6 41.2 33.1 35.1 | Mitigation (pc/mi/ln) 54.7 42.3 34.2 35.4 | Increase/ Decrease with Mitigation 2.1% 2.7% 3.4% 1.1% | (pc/mi/ln) 54.3 41.8 32.6 34.6 | Mitigation (pc/mi/ln) 55.6 43.0 33.9 35.1 | Increase/ Decrease with Mitigation 2.3% 3.0% 3.8% 1.3% | (pc/mi/ln) 53.4 40.3 31.3 31.9 | Mitigation (pc/mi/ln) 54.7 41.6 32.7 32.3 | Increase w Decrease w Mitigation 2.6% 3.4% 4.4% 1.3% |
| From SR 94 SR 163 First Avenue Hawthorn Street India Street | To SR 163 First Avenue Hawthorn Street India Street Pacific Highway Viaducts | (pc/mi/ln) 56.7 42.7 35.4 36.3 36.1 | Mitigation (pc/mi/ln) 57.7 43.8 36.4 36.5 36.3 | Increase/_ Decrease with Mitigation 1.8% 2.4% 2.9% 0.7% 0.3% | (pc/mi/ln) 53.6 41.2 33.1 35.1 34.6 | Mitigation (pc/mi/ln) 54.7 42.3 34.2 35.4 34.7 | Increase/_ Decrease with Mitigation 2.1% 2.7% 3.4% 1.1% 0.4% | (pc/mi/ln) 54.3 41.8 32.6 34.6 34.2 | Mitigation (pc/mi/ln) 55.6 43.0 33.9 35.1 34.3 | Increase/_ Decrease with Mitigation 2.3% 3.0% 3.8% 1.3% 0.5% | (pc/mi/ln) 53.4 40.3 31.3 31.9 31.7 | Mitigation (pc/mi/ln) 54.7 41.6 32.7 32.3 31.9 | Increase w Mitigation 2.6% 3.4% 4.4% 1.3% 0.7% |
| From SR 94 SR 163 First Avenue Hawthorn Street India Street Pacific Highway Viaducts | To SR 163 First Avenue Hawthorn Street India Street Pacific Highway Viaducts Washington Street | (pc/mi/ln) 56.7 42.7 35.4 36.3 36.1 25.2 | Mitigation (pc/mi/ln) 57.7 43.8 36.4 36.5 36.3 25.4 | Increase/_ Decrease with Mitigation | 53.6 41.2 33.1 35.1 34.6 24.0 | Mitigation (pc/mi/ln) 54.7 42.3 34.2 35.4 34.7 24.1 | Increase/_ Decrease with Mitigation 2.1% 2.7% 3.4% 1.1% 0.4% 0.6% | 54.3 41.8 32.6 34.6 34.2 23.4 | Mitigation (pc/mi/ln) 55.6 43.0 33.9 35.1 34.3 23.6 | Increase/_ Decrease with Mitigation | (pc/mi/ln) 53.4 40.3 31.3 31.9 31.7 21.8 | Mitigation (pc/mi/ln) 54.7 41.6 32.7 32.3 31.9 22.0 | Increase w Mitigation 2.6% 3.4% 4.4% 1.3% 0.7% 1.0% |

| I-8 Fr | eeway | | | | | | | | | | | | |
|--------|-------|--------------------------|--|--|--------------------------|--|--|--------------------------|--|--|--------------------------|--|---|
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation |
| I-5 | East | 29.4 | 29.6 | 0.7% | 25.2 | 25.4 | 0.9% | 25.3 | 25.5 | 1.0% | 24.4 | 24.6 | 1.2% |
| East | I-5 | 35.7 | 36.1 | 1.2% | 33.5 | 34.0 | 1.4% | 34.7 | 35.2 | 1.5% | 36.2 | 36.8 | 1.6% |

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service

Legend:

LOS E LOS F Significant Impact

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Table D-130 (continued) 2015-2030 Freeway Segment Impacts – Proposed Airport Land Use Plan – PM Peak Hour

| PM Pea | ak Hour | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|--|---|--------------------------|--|--|--------------------------|--|--|--------------------------|--|---|
| SB I-5 I | reeway | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with Mitigation |
| North of I-8 | I-8 | 41.8 | 42.3 | 1.2% | 48.0 | 48.5 | 1.1% | 47.2 | 47.8 | 1.2% | 45.9 | 46.5 | 1.3% |
| I-8 | Old Town Avenue | 36.9 | 37.6 | 1.7% | 44.6 | 45.2 | 1.5% | 44.1 | 44.9 | 1.6% | 42.0 | 42.6 | 1.5% |
| Old Town Avenue | Washington Street | 31.1 | 31.7 | 2.0% | 31.9 | 32.6 | 2.1% | 32.0 | 32.7 | 2.2% | 31.7 | 32.4 | 2.0% |
| Washington Street | Pacific Highway Viaducts | 33.1 | 33.1 | -0.1% | 37.6 | 37.6 | -0.1% | 38.0 | 38.0 | -0.1% | 34.8 | 34.7 | -0.1% |
| Pacific Highway Viaducts | India Street | 41.9 | 41.8 | -0.2% | 41.9 | 41.8 | -0.1% | 42.2 | 42.2 | -0.1% | 41.3 | 41.2 | -0.3% |
| India Street | Hawthorn Street | 41.7 | 41.6 | -0.2% | 44.0 | 44.0 | -0.1% | 44.5 | 44.4 | -0.1% | 42.7 | 42.6 | -0.3% |
| Hawthorn Street | First Avenue | 36.8 | 37.6 | 2.1% | 37.9 | 38.7 | 2.2% | 38.7 | 39.6 | 2.3% | 38.8 | 39.7 | 2.5% |
| First Avenue | SR 163 | 46.8 | 47.6 | 1.6% | 47.6 | 48.4 | 1.7% | 48.5 | 49.4 | 1.9% | 48.9 | 49.8 | 2.0% |
| SR 163 | SR 94 | 26.7 | 27.5 | 2.9% | 27.1 | 28.0 | 3.1% | 28.0 | 28.9 | 3.2% | 27.2 | 28.2 | 3.6% |

| NB I-5 F | reeway | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|------------------------------------|--|--------------------------|--|--|--------------------------|--|--|--------------------------|--|--|
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> |
| SR 94 | SR 163 | 39.5 | 40.5 | 2.6% | 34.8 | 35.8 | 3.0% | 35.4 | 36.6 | 3.2% | 37.2 | 38.4 | 3.3% |
| SR 163 | First Avenue | 39.3 | 40.4 | 2.6% | 37.9 | 38.9 | 2.8% | 38.5 | 39.6 | 2.9% | 38.0 | 39.3 | 3.2% |
| First Avenue | Hawthorn Street | 32.3 | 33.3 | 3.1% | 29.0 | 30.0 | 3.6% | 29.1 | 30.3 | 3.9% | 30.6 | 31.8 | 4.0% |
| Hawthorn Street | India Street | 38.5 | 38.6 | 0.3% | 36.5 | 36.7 | 0.4% | 36.8 | 37.0 | 0.5% | 39.5 | 39.7 | 0.4% |
| India Street | Pacific Highway Viaducts | 37.8 | 37.9 | 0.1% | 34.4 | 34.4 | 0.1% | 34.8 | 34.8 | 0.1% | 35.8 | 35.9 | 0.1% |
| Pacific Highway Viaducts | Washington Street | 30.6 | 30.6 | 0.1% | 28.1 | 28.1 | 0.1% | 28.0 | 28.0 | 0.1% | 29.6 | 29.6 | 0.1% |
| Washington Street | Old Town Avenue | 35.7 | 36.1 | 1.2% | 35.3 | 35.8 | 1.3% | 35.3 | 35.9 | 1.5% | 35.4 | 35.8 | 1.2% |
| Old Town Avenue | I-8 | 36.8 | 37.2 | 1.1% | 34.6 | 35.1 | 1.4% | 34.2 | 34.7 | 1.5% | 35.7 | 36.1 | 1.2% |
| I-8 | North of I-8 | 38.2 | 38.6 | 0.992% | 39.1 | 39.5 | 1.1% | 39.1 | 39.6 | 1.2% | 42.9 | 43.4 | 1.1% |

| I-8 Fr | eeway | | | | | | | | | | | | |
|--------|-------|--------------------------|------------------------------------|--|--------------------------|--|--|--------------------------|--|--|--------------------------|--|---|
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/_ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase <u>/</u> Decrease with <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation |
| I-5 | East | 38.9 | 39.3 | 0.8% | 38.0 | 38.3 | 0.9% | 37.8 | 38.2 | 1.03% | 37.1 | 37.5 | 1.1% |
| East | I-5 | 37.8 | 38.2 | 1.1% | 35.6 | 36.1 | 1.3% | 36.1 | 36.6 | 1.3% | 35.4 | 35.9 | 1.5% |

NOTE: Bold/Shading = Freeway segment calculated to operate at Percent Increase D, E or F exceeding Caltrans target Percent Increase C. Source: HNTB, 2007

Notes: vph = vehicles per hour

pc/mi/ln = passenger cars per mile per lane

LOS = level of service



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D.7.3.4 Freeway Ramps

Table D-131 summarizes the freeway ramp operations under the Land Use Plan. No ramp volumes exceed the ramp meter rates and therefore no significant impacts occur.

Table D-131

2015-2030 Freeway Ramp Operations – Proposed Airport Land Use Plan

| | | | | 2015 | | | | | 2020 | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|--------------------------------------|------------------------------|--------------------|-----------------|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) |
| I-5 NB from San Diego | AM | 524 | 1,992 | 0 | 0 | 0 | 758 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII Sail Diego | PM | 501 | 1,992 | 0 | 0 | 0 | 884 | 1,992 | 0 | 0 | 0 |
| I-5 NB from India | AM | 1,103 | 1,992 | 0 | 0 | 0 | 933 | 1,992 | 0 | 0 | 0 |
| 1-5 NB IIOIII IIIUIA | PM | 1,201 | 1,992 | 0 | 0 | 0 | 1,180 | 1,992 | 0 | 0 | 0 |
| I-5 SB from Kettner | AM | 125 | 996 | 0 | 0 | 0 | 147 | 996 | 0 | 0 | 0 |
| 1-5 SB ITOTTI Kettriei | PM | 109 | 996 | 0 | 0 | 0 | 226 | 996 | 0 | 0 | 0 |
| I-5 SB from | AM | 480 | 1,140 | 0 | 0 | 0 | 522 | 1,140 | 0 | 0 | 0 |
| Washington/Hancock | PM | 285 | 1,140 | 0 | 0 | 0 | 914 | 1,140 | 0 | 0 | 0 |

| | | | | 2025 | | | | | er Excess Delay Communities (veh/hr) (minutes) Communities (veh/hr) | | | |
|--------------------------|--------------|--------------------|-----------------------------------|------------------------------|--------------------|-----------------|--------------------|--------------------------------------|---|---|-----------------|--|
| Location | Peak Hour | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand (veh/hr) | Delay (minutes) | Queue (feet) | Demand (veh/hr) | Maximum Meter Rate (veh/hr) | Excess Demand | | Queue (feet) | |
| I-5 NB from San Diego | AM | 788 | 1,992 | 0 | 0 | 0 | 887 | 1,992 | 0 | 0 | 0 | |
| 1-5 NB IIOIII Sail Diego | PM | 664 | 1,992 | 0 | 0 | 0 | 700 | 1,992 | 0 | 0 | 0 | |
| I-5 NB from India | AM | 772 | 1,992 | 0 | 0 | 0 | 1,390 | 1,992 | 0 | 0 | 0 | |
| I-5 NB IIOIII IIIula | PM | 1,162 | 1,992 | 0 | 0 | 0 | 1,738 | 1,992 | 0 | 0 | 0 | |
| I-5 SB from Kettner | AM | 149 | 996 | 0 | 0 | 0 | 97 | 996 | 0 | 0 | 0 | |
| 1-5 SB IIOIII Kettilei | PM | 244 | 996 | 0 | 0 | 0 | 150 | 996 | 0 | 0 | 0 | |
| I-5 SB from Grape | AM | 1,083 | 1,992 | 0 | 0 | 0 | 1,148 | 1,992 | 0 | 0 | 0 | |
| 1-3 3B IIOIII GIAPE | PM | 1,998 | 1,992 | 6 | 0 | 184 | 2,116 | 1,992 | 124 | 4 | 3,602 | |
| I-5 SB from | AM | 568 | 1,140 | 0 | 0 | 0 | 591 | 1,140 | 0 | 0 | 0 | |
| Washington/Hancock | PM | 890 | 1,140 | 0 | 0 | 0 | 470 | 1,140 | 0 | 0 | 0 | |

Source: HNTB, 2007

veh/hr = vehicles per hour

D.7.3.5 Railroad Crossings

Forecasts of future train operations were obtained from the San Diego 2030 RTP (Mobility 2030), the 2007 LOSSAN Strategic Business Plan, and the 2000 San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis report. Mobility 2030 projects that the headways for the Coaster Service will decrease from 36 minutes to 20 minutes during peak hours and from 120 minutes to 60 minutes during off-peak hours by 2030. That translates to a 44% increase in frequency during peak hours by 2030. The LOSSAN Strategic Business Plan projects that Coaster service would increase from existing 22 trains per day to 54 trains per day in 2025, consistent with the above. The LOSSAN Strategic Business Plan also projects that Amtrak Pacific Surfliner service between Los Angeles and San Diego would increase from existing 22 trips per day in 2005/2006 to 26 trains in 2015 and 32 trains in 2025. Mobility 2030 also projects that headways for the trolley Blue Line service that passes through the study area would decrease from 15 minutes to 7.5 minutes during off-peak hours by 2030. Estimated daily train operations in 2030 include 36 Amtrak trips, 78 Coaster trips, and 384 Trolley trips. For the analysis, freight train operations were estimated to increase to four trains per day.

Table D-132 summarizes the railroad crossing delay analysis for each analysis year under the Airport Land Use Plan. As shown, delays at all railroad crossings were estimated to be under the

¹⁹ Linscott, Law & Greenspan Engineers March 3, 2000 <u>San Diego International Airport Master Plan Preferred Concept Alternatives Roadway Analysis.</u>

VHD threshold for each street segment in all analysis years. Therefore, no mitigation is required at any railroad crossing.

Table D-132 2015-2030 Railroad Crossing Operations - Proposed Airport Land Use Plan

| 30 Railroad Cros | | | V 004F | | |
|---|------------------------|----------------------------|-------------------------|------------------|-----------|
| | | | Year 2015 | | 1 |
| | | | Total gate | | |
| | VIID | ADT | down time | | Typoods |
| 0 | VHD | | per day | VIIID | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 150 | 24,500 | 8.53 | 144 | No |
| Sassafras Street | 150 | 16,100 | 6.13 | 47 | No |
| Palm Street | 75 | 900 | 6.13 | 0 | No |
| Laurel Street | 300 | 31,500 | 0.80 | 1 | No No |
| Hawthorn Street | 150 300 | 23,700 | 0.80 | 14 26 | No No |
| Grape Street | 300 | 34,900 | 0.80 | 20 | INO |
| | 1 | | Year 2020 | | |
| | | | 1001 2020 | | |
| | | | Total gate | | |
| | | | down time | | |
| | VHD | ADT | per day | | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 300 | 25,900 | 8.94 | 164 | No |
| Sassafras Street | 150 | 17,200 | 6.46 | 55 | No |
| Palm Street | 75 | 300 | 6.46 | 0 | No |
| Laurel Street | 300 | 32,600 | 1.13 | 1 | No |
| Hawthorn Street | 300 | 26,400 | 1.13 | 26 | No |
| Grape Street | 300 | 37,800 | 1.13 | 52 | No |
| • | | | | | |
| | | | Year 2025 | | |
| | | | Tatal mate | | |
| | | | Total gate | | |
| | \/IID | ADT | down time | | |
| 0 | VHD | ADT | per day | \ // ID | Exceeds |
| Crossing | Threshold | Volume | (hours) | VHD | VHD Limit |
| Washington Street | 300 | 26,500 | 9.41 | 180 | No |
| Sassafras Street | 150 | 19,000 | 6.79 | 67 | No |
| Palm Street | 75 | 100 | 6.79 | 0 | No |
| Laurel Street | 300 | 33,900 | 1.46 | 0 | No |
| Hawthorn Street | 300 | 27,800 | 1.46 | 34 | No |
| Grape Street | 300 | 39,100 | 1.46 | 71 | No |
| | | | Year 2030 | | |
| | | | Total gate | | |
| | | | down time | | |
| | 1 | 457 | per day | | Exceeds |
| | VHD | ADI | | | |
| Crossina | VHD Threshold | ADT Volume | | VHD | VHD Limit |
| Crossing Washington Street | Threshold | Volume | (hours) | VHD 141 | |
| Washington Street | Threshold 150 | Volume 20,900 | (hours) 9.95 | VHD 141 47 | No |
| Washington Street Sassafras Street | Threshold 150 75 | Volume 20,900 13,800 | (hours) 9.95 7.18 | 141 47 | No |
| Crossing Washington Street Sassafras Street Palm Street Laurel Street | Threshold 150 | Volume 20,900 | (hours) 9.95 | 141 | No |

Source: HNTB, 2007

Hawthorn Street

Grape Street

VHD = vehicle-hours of delay ADT = average daily traffic

D.7.3.6 **Transit**

Under the Land Use Plan, no existing or planned transit routes would be modified. However, MTS bus routes along Pacific Highway could be rerouted into the Airport Transit Center off Pacific

29,800

41,000

300

300

1.85

1.85

No

No

47

102

Highway. Changes to the bus routes are not part of this EIR but could be coordinated between MTS and SDCRAA. No significant impact would occur to transit operations under the Land Use Plan.

D.7.3.7 Parking

The Land Use Plan would not remove any parking lots designated for public use. Passenger terminals also are not located close to commercial or residential areas. In addition, the Land Use Plan would provide additional airport public parking spaces (as previously discussed in Section D.7.1) that would address the projected parking shortfall under the No Project Alternative. This is a favorable parking impact of the Land Use Plan compared to the No Project Alternative.

D.7.3.8 Terminal Curbside

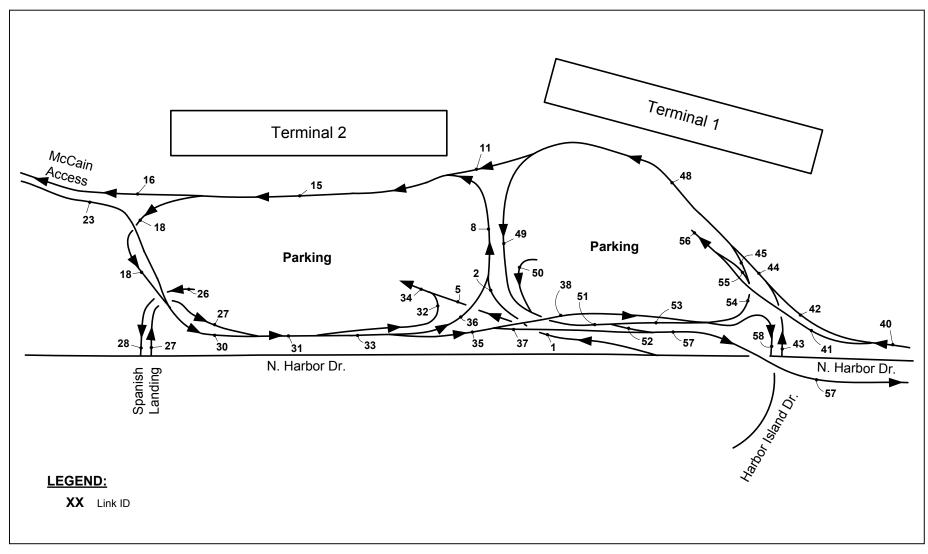
Currently 6,630 linear feet of curbside is available between all three terminals. In 2015, 7,240 linear feet of curbside is required at Terminals 1 and 2 and the Commuter Terminal to accommodate private and commercial vehicle demand. The No Project Alternative would maintain the existing curbside supply, which would result in a curbside deficit of 610 linear feet, Under the Implementation Plan (With Parking Structure) Proposed Airport Land Use Plan, an additional 1,370 linear feet of curbside would be provided at Terminal 2 for a total of 8,000 linear feet, providing an airport-wide surplus of 760 linear feet in 2015. Therefore, the Implementation Plan (With Parking Structure) Proposed Airport Land Use Plan, would result in favorable curbside impact compared to the No Project Alternative.

D.7.3.9 On-Airport Traffic Circulation

Table D-133 shows the on-airport roadway operations for each analysis year under the Land Use Plan. Please refer to **Figure D.7-1** for link ID key map. As shown, all terminal roadways would operate at LOS D or better during peak hours under the Land Use Plan. Therefore, there would be no significant on-airport traffic circulation impact under the Land Use Plan compared to the No Project Alternative, and no mitigation is required.

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Appendix D.7-1

On-Airport Roadway Link ID Key Map Proposed Airport Land Use Plan

Environmental Impact Report

Table D-133
2015-2030 On-Airport Roadway Operations – Proposed Airport Land Use Plan

| | | | 20 | 15 | | | 20 | 120 | | | 20 | 25 | | | 20 | 30 | |
|----------|-------|------------|------------|----------------|--------|------------|---------------|--------------------|--------|------------|------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|
| | | A | | | M | A | | | М | А | M | - | M | А | .M | | M |
| | | Volume | | Volume | | Volume | | Volume | | Volume | | Volume | | Volume | | Volume | |
| Link ID | Lanes | (vph) | LOS | (vph) | LOS | (vph) | LOS | (vph) | LOS | (vph) | LOS | (vph) | LOS | (vph) | LOS | (vph) | LOS |
| 1 | 2 | 559 | В | 459 | Α | 630 | В | 518 | В | 686 | В | 563 | В | 718 | В | 593 | В |
| 2 | 2 | 450 | Α | 382 | Α | 503 | В | 427 | Α | 546 | В | 464 | Α | 575 | В | 490 | В |
| 3 4 | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 5 | 2 | 109 | Link No | 77 | Α | 127 | A LINK N | ot Used 91 | A | 140 | A LINK INC | ot Used 99 | A | 143 | A LINK IN | ot Used 102 | Α |
| 6 | | 109 | Link No | | Α | 127 | | ot Used | | 140 | | ot Used | | 143 | | ot Used | |
| 7 | | | Link No | | | | | ot Used | | | | ot Used | | | | ot Used | |
| 8 | 4 | 572 | Α | 485 | Α | 638 | Α | 542 | Α | 692 | Α | 588 | Α | 761 | Α | 649 | Α |
| 9 | | | Link No | | | | | ot Used | | | | ot Used | | | | ot Used | |
| 10 | | | Link No | | | | | ot Used | | | | ot Used | | | | ot Used | |
| 11 | 1 | 132 | Α | 133 | Α | 140 | Α | 141 | Α | 145 | Α | 147 | Α | 155 | A | 157 | Α |
| 12 13 | | | Link No | | | | | ot Used ot Used | | | | ot Used ot Used | | | | ot Used ot Used | |
| 14 | | 1 | Link No | | | | | ot Used | | 1 | | ot Used | | 1 | | ot Used | |
| 15 | 8 | 704 | A | 618 | Α | 777 | A | 683 | А | 837 | A | 735 | Α | 916 | A | 806 | Α |
| 16 | 2 | 180 | Α | 155 | Α | 196 | Α | 171 | Α | 210 | Α | 182 | Α | 252 | Α | 219 | Α |
| 17 | | , | Link No | ot Used | | | Link No | ot Used | | | Link No | ot Used | | | Link N | ot Used | |
| 18 | 2 | 524 | В | 463 | Α | 581 | В | 512 | В | 627 | В | 553 | В | 664 | В | 587 | В |
| 19 | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 20 | | | Link No | | | | | ot Used | | | | ot Used | | | | ot Used | |
| 21 | | | Link No | ot Used | | | | ot Used ot Used | | | | ot Used ot Used | | - | | ot Used ot Used | |
| 23 | 2 | 79 | A | 66 | Α | 86 | A | 74 | A | 92 | A | 79 | A | 97 | A | 83 | Α |
| 24 | | 75 | Link No | | | - 00 | | ot Used | | U <u>L</u> | | ot Used | | - 01 | | ot Used | |
| 25 | | | Link No | | | | | ot Used | | | | ot Used | | | | ot Used | |
| 26 | 2 | 66 | Α | 141 | Α | 77 | Α | 166 | Α | 84 | Α | 182 | Α | 91 | Α | 196 | Α |
| 27 | 1 | 99 | Α | 82 | Α | 112 | Α | 92 | Α | 122 | Α | 100 | Α | 168 | Α | 138 | Α |
| 28 | 2 | 66 | Α | 141 | Α | 77 | Α | 166 | A | 84 | Α | 182 | Α | 91 | Α | 196 | Α |
| 29 | 2 | 000 | Link No | | | 007 | | ot Used | | 740 | | ot Used | | 704 | | ot Used | |
| 30 31 | 3 | 603 702 | B A | 529 611 | B A | 667 779 | <u>В</u> В | 586 678 | B A | 719 841 | B B | 631 731 | B B | 761 928 | B B | 670 808 | B B |
| 32 | 1 | 19 | A | 14 | A | 23 | A | 16 | A | 25 | A | 18 | A | 34 | A | 24 | A |
| 33 | 3 | 683 | A | 597 | A | 756 | В | 662 | A | 816 | В | 713 | В | 894 | В | 784 | В |
| 34 | 4 | 128 | Α | 91 | Α | 150 | Α | 107 | Α | 165 | Α | 117 | Α | 177 | Α | 126 | Α |
| 35 | 2 | 561 | В | 494 | В | 621 | В | 547 | В | 670 | В | 590 | В | 709 | В | 626 | В |
| 36 | 1 | 122 | Α | 103 | Α | 135 | Α | 115 | Α | 146 | Α | 124 | Α | 186 | Α | 158 | Α |
| 37 | 1 | 479 | С | 415 | С | 532 | С | 461 | С | 577 | D | 499 | С | 612 | D | 532 | С |
| 38 | 1 | 82 | A | 80 | Α | 89 | A | 86 ot Used | Α | 94 | A | 90 ot Used | Α | 98 | A | 94 ot Used | Α |
| 39 40 | 2 | 527 | B LINK INC | ot Used 460 | Α | 568 | B LINK N | 495 | В | 592 | B LINK INC | 517 | В | 589 | LINK IN | 519 | В |
| 41 | 1 | 68 | A | 49 | A | 68 | A | 495 | A | 68 | A | 49 | A | 65 | A | 46 | A |
| 42 | 2 | 459 | A | 412 | A | 500 | В | 447 | A | 524 | В | 468 | A | 524 | В | 473 | В |
| 43 | 1 | 83 | A | 69 | A | 90 | A | 75 | A | 94 | A | 78 | A | 119 | Ā | 100 | A |
| 44 | 3 | 542 | Α | 480 | Α | 590 | Α | 521 | Α | 618 | Α | 546 | Α | 643 | Α | 573 | Α |
| 45 | 1 | 37 | Α | 31 | Α | 41 | Α | 35 | Α | 43 | Α | 37 | Α | 45 | Α | 39 | Α |
| 46 | | | | ot Used | | | | ot Used | | | | ot Used | | | | ot Used | |
| 47 | | 570 | Link No | | | 004 | | ot Used | | 004 | | ot Used | | 000 | | ot Used | |
| 48 49 | 2 | 579 447 | A A | 511 378 | A A | 631 491 | A B | 556 415 | A A | 661 516 | A B | 583 436 | A A | 688 533 | A B | 612 455 | A A |
| 50 | 1 | 41 | A | 89 | A | 491 | A | 89 | A | 42 | A | 90 | A | 42 | A | 90 | A |
| 51 | 3 | 488 | A | 467 | A | 532 | A | 504 | A | 558 | A | 526 | A | 575 | A | 545 | A |
| 52 | 2 | 399 | A | 384 | A | 436 | A | 415 | A | 457 | A | 434 | A | 448 | A | 427 | A |
| 53 | 1 | 89 | Α | 83 | Α | 97 | Α | 89 | Α | 101 | Α | 92 | Α | 128 | Α | 118 | Α |
| 54 | 1 | 50 | Α | 40 | Α | 54 | Α | 44 | Α | 56 | Α | 46 | Α | 61 | Α | 51 | Α |
| | | | Α | 9 | Α | 13 | Α | 9 | Α | 13 | Α | 9 | Α | 16 | Α | 12 | Α |
| 55 | 1 | 13 | | | | | | | | | | | | | - | | |
| 56 | 4 | 81 | Α | 58 | Α | 81 | Α | 58 | Α | 81 | Α | 58 | A | 81 | A | 58 | A |
| | | | | | | | | 58 876 131 | | | | 58 933 136 | A B A | 81 1,059 163 | A C A | | A B A |

LOS = Level of service

NOTE: Please refer to Figure D.7-1 for link ID key map.

D.8 Construction Impacts

Any major construction at SDIA creates increases in traffic volumes on project area roadways from trucks hauling materials and equipment, and construction workers commuting to and from SDIA. In order to minimize disruption to travelers and neighbors and in recognition of potential impacts from construction activities, SDIA has committed to the following two activities in order to mitigate construction activities on the surrounding environment.

Establish a Construction Coordination Office within the Ground Transportation Department. This office would operate during the life of the Proposed Airport Implementation Plan construction period to coordinate deliveries, monitor traffic conditions, advise motorists about detours, congested areas, and alternative parking areas, and monitor and enforce delivery times and routes. SDIA will periodically analyze traffic conditions on designated routes during construction to evaluate and optimize the transportation system during the construction period.

This office will undertake a variety of duties, including but not limited to:

- Inform motorists about detours, alternative parking, and congestion by use of static or changeable message signs, media announcements, airport website, airport information roadway radio station, etc;
- Work with police to enforce delivery times and routes, including specified truck routes;
- Establish staging areas;
- Coordinate with emergency response agencies to maintain emergency access and response times;
- Coordinate Caltrans, and city roadway projects with SDIA projects so as to minimize impacts to travel;
- Monitor and coordinate deliveries:
- Establish detour routes:
- Work with neighbors to address their concerns regarding construction activity traffic;
- Analyze traffic conditions to determine the need for additional traffic controls, communication, signal modifications, lane re-striping, rerouting, etc.

Require Orientation for Construction Personnel. All construction personnel will be required through contractual means to participate in an SDIA project specific orientation that includes where to park, where staging areas are located, construction policies, delivery routes, detours, airport construction area driving protocol, etc., in addition to airport safety and security issues training.

There would be a temporary and unavoidable increase in traffic volumes on project area roadways during construction of the Proposed Airport Implementation Plan due to traffic generated by trucks hauling materials and equipment, and construction workers commuting to and from SDIA. Construction worker and truck trips were estimated by the San Diego International Airport Program Study Construction Schedule Estimation. Equipment, crews and activity durations were provided in a conceptual schedule to show how the SDCRAA would most likely complete project elements and the program in the required sequence to maintain an operating airport. This construction schedule was produced for this EIR primarily to analyze impacts to air quality from construction activities, but is also used also to analyze impacts to traffic and circulation.

The critical issue relating to project construction involves maintenance of traffic in the immediate construction zone, and handling the additional traffic related to transportation of construction

materials and crews. No construction traffic would be expected to use residential streets to access SDIA.

Construction workers would be expected to generate few peak hour trips because their work shifts typically start before the morning peak and end before the evening peak. All workers would be expected to park on-site at SDIA. Construction-related truck trips that would occur while the peak numbers of employees are present would be minimal, with construction materials and equipment being hauled during off-peak hours. There would be some circumstances, for instance when concrete pours are being made to construct the parking structure, there would be up to one truck every seven minutes from 7:00 AM to 4:00 PM, or eight to nine truck trip per hour during the AM peak hour. Because these impacts are temporary, no potential significant impacts are anticipated and no mitigation measures are required. It should be noted, however, that the contractor will prepare a traffic control plan as part of construction contract in order to ensure that construction worker and truck trip are minimized during AM peak hours and will not use residential streets to access SDIA.

Because construction is a short-term activity and would be expected to follow plans and rules that minimize affects, no potential significant impacts to traffic and circulation are expected.

D.9 Cumulative Impacts

All traffic analysis presented in this appendix was conducted using data from the Regional Transportation Model maintained by SANDAG (excluding airport traffic). SANDAG provided existing and forecast traffic for 2005, 2010, and 2015. This "background" traffic was added to forecasts of SDIA generated traffic associated with the airport and specific projects alternatives. SANDAG traffic forecasts include traffic associated with all approved plans and projects incorporated in SANDAG's model.

Traffic forecasts for future years include traffic associated with approved plans/projects included in SANDAG's Series 10 forecasts including but not limited to:

- Naval Training Center/Liberty Station Precise Plan/EIR (January 2000/September 2001)
- North Embarcadero Visionary Plan Final EIR (April 2000)

The Series 10 forecast does not include the following projects, which had not been accepted by the San Diego City Council at the time of the model run. However, the Series 10 forecasts assumed development at these locations based on General Plan Zoning that is assumed to be similar or more intense than land uses assumed in the following EIRs:

- Old Police Headquarters and Park Project Draft EIR (July 2005) or Final EIR (February 2006)
- Centre City Development Corporation (CCDC) Master Plan Draft EIR (July 2005) or Final EIR (January 2006)
- Woodfin Suites Hotel and Port Master Plan Amendment Project Draft EIR (March 2006)

Since SANDAG forecasts account for all approved plan and projects within the region, all traffic estimates used in the study account for cumulative traffic. Therefore, traffic impacts presented in this study represent cumulative impacts anticipated in the study area under each alternative. In addition the implementation of the Airport Land Use Plan describe a maximum development scenario accommodating regional growth at SDIA and represent a worst case development impact scenario for SDIA. Mitigation measures for these impacts are presented in Section D.10.

D.10 Mitigation Measures/Other Improvements

All potential significant impacts resulting from implementation of the Proposed Project that includes the Proposed Airport Implementation Plan and Proposed Airport Land Use Plan, and the

proposed Alternative that includes the Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan are identified in previous sections. For each significant impact, mitigation measures are provided below.

Implementation of all alternatives would result in potentially significant impacts to traffic and circulation including under the Proposed Land Use Plan by 2030. The future airport uses describe a maximum development scenario accommodating regional growth at SDIA and represent a worst case development impact scenario. This analysis is provided to inform the public and agencies responsible for traffic and circulation of the effects of accommodating regional growth. Future projects developed under the Airport Land Use Plan and not included in the Implementation Plan will be 1) evaluated to ensure consistency with the adopted Airport Land Use Plan and 2) reviewed at a project level to determine if any potential significant impacts to traffic and circulation may occur and incorporate the mitigation measures required by the Airport Land Use Plan. Implementation of any proposed mitigation measures will require coordination between the SDCRAA and the agency responsible for the transportation facilities (i.e. the City of San Diego for city-dedicated streets) in order to mitigate any potential significant impacts.

Roadway segments, intersections and arterial roadways in the project area are within the responsibility and jurisdiction of the City and not SDCRAA. Freeway ramps and operations in the project area are within the responsibility and jurisdiction of Caltrans and not the SDCRAA. Although the SDCRAA does not have the authority to impose mitigation measures affecting transportation and circulation facilities within the responsibility and jurisdiction of another public agency, SDCRAA would coordinate with the City and Caltrans in implementing necessary mitigation measures and recommends that the following mitigation measures be considered as results of future regional growth to mitigate the Proposed Project's traffic impacts. While the Airport Authority operates under strict provisions required by certain FAA grant assurances that restrict the use of airport funds outside of the airport boundaries, the FAA has indicated that they are willing to consider whether or not the use of airport revenue may be permitted for funding certain off-airport transportation mitigation measures that provide direct access to the airport. However, the FAA's determination will not be known until a final, approved mitigation package is available for discussion with the FAA.

The mitigation measures identified below would reduce traffic impacts to a level of less than significant. However, the roadway segments, intersection, arterial roadways, and freeway ramps and operations are within the legal authority, responsibility and jurisdiction of the City or Caltrans, not SDCRAA. As such, SDCRAA lacks the legal authority to ensure that these other agencies will implement the mitigation measures necessary to render the traffic impacts less than significant. Thus, if these agencies do not implement the mitigation measures identified and adopted by SDCRAA, it is possible that the traffic impacts of the Project will remain significant after Project implementation.

As described in Section D.2, Traffic Impacts and Significance Criteria, significance criteria used to determine potentially significant impacts for freeway segments and metered on-ramps, street/roadway segments, intersections and parking were derived from the City of San Diego Development Services Department's CEQA Significance Determination Thresholds guidelines dated January 2007; significance criteria for railroad crossings were derived from the California Utilities Commission, and best practice management was used to determine significance criteria for transit, parking, terminal curbsides and on-airport roadways. Mitigation measures are proposed in this section for each potentially significant impact. Per Section O, Transportation/Circulation and Parking, of the City of San Diego's CEQA Significance Determination Thresholds dated January 2007 (described in Section D.2 of this DEIR FEIR). mitigation measures have been identified to (1) restore/and maintain the traffic facility to an acceptable level of service defined by the City of San Diego to be LOS D or better and (2) mitigate the project's direct significant and/or cumulatively considerable traffic impacts. In many cases these proposed mitigation measures are the same. Per Section O, Transportation/Circulation and Parking, of the City of San Diego's CEQA Significance Determination Thresholds dated January 2007, traffic mitigation measures are required to reduce the project's direct significant and/or cumulatively considerable traffic impacts.

Proposed Project causes a significant traffic impact, as defined under the CEQA Significance Determination Thresholds, the following identifies mitigation measures which reduce that level below the applicable threshold. In addition, while not required by CEQA or San Diego's significance guidelines, as a matter of policy, the EIR identifies other traffic improvement measures aimed at restoring traffic caused by general regional growth to LOS D or better. These improvement measures are identified for informational purposes only. Sometimes the mitigation measure aimed at reducing the Project's direct or cumulative impact to less than significant also achieves the effect of restoring traffic to acceptable levels (defined by San Diego as LOS D or better); however, in other instances, additional traffic improvement measures are identified to restore traffic caused by regional growth to acceptable levels (defined by San Diego as LOS D or better). While mitigation measures reduce all impacts of the Proposed Project to a level of less than significant, in some instances, no practicable traffic improvements were identified to restore traffic caused by general regional growth to LOS D or better. In such instances, because the traffic is not caused by the Proposed Project, but rather by general regional growth, this is not considered a significant and unavoidable impact.

The sections that follow differentiate between measures which are "mitigation" required under CEQA because they reduce a Project impact, and "other improvements" which are aimed at reducing traffic caused by regional growth and restoring traffic to acceptable levels (defined as LOS D). Measures which are aimed at reducing the impact of the Proposed Project are labeled "Mitigation" and the verb "to mitigate" is used. Measures which are aimed at going beyond mitigation required by CEQA and restoring traffic caused by general regional growth to LOS D or better are referred to as "Other Improvements" and the term "mitigation" is not used.

D.10.1 Street Segments

Any potentially significant impacts to street segment in the study area resulting from implementation of each alternative compared to the No Project Alternative are identified below along with potential mitigation measures. Subsequent to implementation of any required mitigation a peak hour roadway analysis would be conducted as part of a mitigation feasibility study to determine specific mitigation including direction of lanes to be added. Street segments in the study area are within the jurisdiction of the City of San Diego.

D.10.1.1 <u>Proposed Airport Implementation Plan (With Parking Structure)</u>

The following mitigation <u>described below</u> is <u>were</u> identified <u>to mitigate potentially significant Project impacts</u> for street segments <u>and to restore traffic conditions to No Project levels with potentially significant traffic impacts</u>. In addition, as requested by the city of San Diego, <u>W where mitigation to No Project remains below LOS D conditions and acceptable LOS conditions (defined by the City of San Diego to be LOS D) differs, separate <u>mitigation measures potential improvements</u> are identified. Operations after implementation of proposed mitigation <u>compared</u> to No Project conditions is shown in Tables **D-134 and D-135** and <u>improvements</u> to LOS D conditions is shown in **Tables D-136 and D-137** for informational purposes only.</u>

- Sassafras Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional eastbound travel lane for a total of two westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: This improvement will also improve the segment mitigate to an acceptable level of service C through 2030.
- Sassafras Street between Kettner Boulevard and India Street:

- <u>Mitigation:</u> Provide one additional eastbound travel lane for a total of one westbound and two eastbound travel lanes to mitigate to No Project conditions.
- Other Improvements: Provide one additional eastbound and one additional westbound travel lane for a total of two westbound and two eastbound to mitigate improve to LOS B through 2030.

Sassafras Street provides a major east-west connection between Pacific Highway and Kettner Boulevard with direct access to southbound I-5 and India Street with direct access to northbound I-5. Sassafras has limited total capacity with three lanes and capacity of 12,000 ADT between Pacific Highway and Kettner Boulevard and only two lanes and a capacity of 8,000 ADT between Kettner Boulevard and India Street. Under existing conditions the segment between Pacific Highway and Kettner Boulevard has 9,7000 ADT and operates at LOS D and the segment between Kettner Boulevard and India Street has 9,400 ADT (1,4000 ADT over capacity) and operates at LOS F.

Once the segment of Sassafras Street between Pacific Highway and India Street is operating at LOS F as it is under both the existing and 2010 and beyond No Project conditions it only requires 80 additional daily vehicle trips from the project to trigger a significant impact. Similarly once the segment of Sassafras Street between Pacific Highway and Kettner Boulevard is operating at LOS E as it is under the 2010 and beyond No Project conditions it only requires 240 additional daily vehicle trips from the project to trigger a significant impact.

Year 2015

- All mitigation identified in Year 2010
- Kettner Boulevard between Sassafras Street and Palm Street which increased from LOS D under No Project to LOS E with Project:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of four travel lanes oneway to mitigate to No Project conditions.
 - Other Improvements: This improvement will also mitigate improve the segment to an acceptable level of service C through 2015.

Year 2020

- All locations identified in Year 2015 above except Kettner Boulevard between Sassafras Street and Palm Street which deteriorated to LOS F under both No Project and with Project but with an increase in volume to capacity ratio of less than 0.02, plus the following:
- North Harbor Drive between Winship Lane and Rental Car Road:
 - Mitigation: Provide one additional travel lane for a total of nine travel lanes to mitigate to No Project conditions through 2030. This segment is currently a maximum eight-lane configuration per City's roadway classification for Primary Arterial. A new roadway classification (9-lane Primary Arterial) would be required and corresponding capacity values defined to analyze the impact of the added lane.
 - Other Improvements: This improvement would mitigate improve the segment the street segment to LOS D or better through 2020.
 - Other Improvements: Two additional travel lanes for a total of ten travel lanes,
 10-lane Prime configuration, would be required in 2025 and 2030 to mitigate improve the segment to LOS D conditions.

- All locations identified in Year 2020
- North Harbor Drive between Terminal 1 Access and Winship Lane:

- Mitigation: Provide one additional travel lane for a total of nine travel lanes to mitigate to No Project conditions through 2030. This segment is currently a maximum eight-lane configuration per City's roadway classification for Primary Arterial. A new roadway classification (9-lane Primary Arterial) would be required and corresponding capacity values defined to analyze the impact of the added lane.
- Other Improvements: This improvement will also mitigate improve the segment to LOS D or better through 2025.
- Improvement: Two additional travel lanes for a total of ten travel lanes would be required in 2030 to mitigate improve the segment to LOS D conditions.
- North Harbor Drive between Rental Car Road and Laurel Street:
 - Mitigation: Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2025 and no feasible mitigation is available to mitigate to LOS D conditions practicable traffic improvement is available. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant traffic impact.
 - North Harbor Drive between Laurel Street and Hawthorn Street:
 - Mitigation: Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030
 - Other Improvements: 10-lane Prime configuration is required (4 additional travel lanes) to mitigate improve the segment to LOS D or better in 2025.
- Hawthorn Street between North Harbor Drive and Pacific Highway:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Hawthorn, to mitigate to No Project conditions.
 - Other Improvements: A 4-lane Major classification would be required to mitigate improve the segment from North Harbor Drive to Pacific Highway to LOS C through 2030.
- Grape Street between North Harbor Drive and Kettner Boulevard:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: This improvement would mitigate improve the segment between North Harbor Drive and Pacific Highway to LOS D through 2030.
 - Other Improvements: Two additional travel lanes for a total of 5 lanes (5-lane Major configuration) would be required between Pacific Highway and Kettner to mitigate improve the segment to LOS D through 2030.
- Kettner Boulevard between Washington Street and Sassafras Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the segment to LOS C through 2030.
- Kettner Boulevard between Sassafras Street and Palm Street:

- <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
- Other Improvements: This improvement would also mitigate improve the segment to LOS C through 2030.

- All mitigation identified in Year 2025
- North Harbor Drive between Laurel Street and Hawthorn Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to <u>mitigate improve</u> to LOS D or better in 2030 and no feasible <u>mitigation-improvement</u> is available to <u>mitigate improve</u> to LOS D conditions.
- Hawthorn Street between North Harbor Drive and I-5:
 - Other Improvements: Three additional lanes (6-lane Major one-way) would be required between Kettner Boulevard and I-5 to mitigate improve to LOS D conditions in 2030.
- Grape Street between Kettner Boulevard and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: Three additional travel lanes for a total of 6 lanes (6-lane Major) would be required between Kettner and I-5 to mitigate improve the segment to LOS D conditions.
- Laurel Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Reclassify from 4-Lane Collector to 4-Lane Major to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate improve</u> the segment to LOS D.
- India Street between Laurel Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 3 lanes one-way which would require prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: A 4-lane Collector configuration would be required to mitigate improve the segment to LOS D or better through 2030.
- India Street between Palm Street and Washington Street:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes one-way which would require prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: This segment is currently classified as a 3-lane collector; a re-classification and widening to 4-lane major would be required to mitigate improve the segment to LOS D conditions.

Table D-134

Street Segment Operations with Mitigation (2010 – 2020) Proposed Implementation Plan (with Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|--------------------|-------------------------|---------------------------|------|------|-------|------|------|------|
| | | | | | | | | |
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS |
| North Harbor Drive | Winship - Rental Car Rd | No Project | | | | | 0.94 | E |
| | | Project - No Mitigation | | | | | 0.96 | E |
| | | Project - With Mitigation | 0.75 | | 0.83 | | 0.89 | D |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.897 | D | | |
| | | Project - No Mitigation | | | 0.901 | E | | |
| | | Project - With Mitigation | 0.67 | | 0.751 | D | 1.01 | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | E | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation | 0.97 | E | 1.17 | F | 1.19 | F |
| | | Project - With Mitigation | 0.39 | В | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation | 1.27 | F | 1.48 | F | 1.48 | F |
| | | Project - With Mitigation | 0.85 | E | 0.99 | Е | 0.99 | E |

Table D-135

Street Segment Operations with Mitigation (2025 – 2030) Proposed Implementation Plan (with Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2025 | Year | 2030 |
|--------------------|-------------------------|--------------------------------------|------|------|--------------|--------|
| | | | | | | |
| Roadway | Segment | | V/C | LOS | V/C | LOS |
| North Harbor Drive | T1 Access - Winship | No Project | 0.93 | Е | 0.94 | Е |
| | • | Project - No Mitigation | 0.99 | Е | 1.01 | F |
| | | Project - With Mitigation | 0.92 | D | 0.94 | Е |
| | Winship - Rental Car Rd | No Project | 0.98 | Е | 0.97 | Е |
| | • | Project - No Mitigation | 1.01 | F | 1.03 | F |
| | | Project - With Mitigation | 0.95 | Е | 0.96 | Е |
| | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation | 1.77 | F | 1.79 | F |
| | | Project - With Mitigation | 1.64 | F | 1.65 | F |
| | Laurel - Hawthorn | No Project | 1.19 | F | 1.22 | F |
| | | Project - No Mitigation | 1.21 | F | 1.27 | F |
| | | Project - With Mitigation | 0.91 | D | 0.95 | Е |
| Grape Street | Harbor - Pacific | No Project | 1.09 | F | 1.13 | F |
| • | | Project - No Mitigation | 1.10 | F | 1.17 | F |
| | | Project - With Mitigation | 0.92 | Е | 0.97 | Е |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F |
| | | Project - No Mitigation | 1.43 | F | 1.50 | F |
| | | Project - With Mitigation | 1.19 | F | 1.25 | F |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation | | | 1.69 | F |
| | | Project - With Mitigation | | | 1.41 | F |
| Hawthorn Street | Harbor - Pacific | No Project | 1.10 | F | 1.16 | F |
| | | Project - No Mitigation | 1.12 | F | 1.20 | F |
| | | Project - With Mitigation | 0.93 | E | 1.00 | E |
| | Pacific - Kettner | No Project | 0.00 | | 1.03 | F |
| | . dome itemie. | Project - No Mitigation | | | 1.06 | F |
| | | Project - With Mitigation | | | 0.89 | E |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation | | | 1.69 | F |
| | | Project - With Mitigation | | | 1.41 | F |
| Kettner Blvd | Washington - Sassafras | No Project | 1.04 | F | 1.11 | F |
| TOURIOF BIVE | Tradinington Caccanac | Project - No Mitigation | 1.06 | F | 1.14 | F |
| | | Project - With Mitigation | 0.88 | E | 0.95 | E |
| | Sassafras - Palm | No Project | 1.17 | F | 0.99 | E |
| | Cuccunac Funi | Project - No Mitigation | 1.19 | F | 1.02 | F |
| | | Project - With Mitigation | 0.99 | E | 0.85 | Ē |
| Laurel Street | Pacific - Kettner | No Project | 0.00 | _ | 1.13 | F |
| Eddi of Otroot | T dome Tretarior | Project - No Mitigation | | | 1.15 | F |
| | | Project - With Mitigation | | | 0.87 | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | E |
| Odobali do Otroct | T dome Tetaler | Project - No Mitigation | 1.32 | F | 0.99 | Ē |
| | | Project - With Mitigation | 0.53 | C | 0.40 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | returer maia | Project - No Mitigation | 1.56 | F | 1.36 | F |
| | + | Project - With Mitigation | 1.04 | F | 0.91 | E |
| India Street | Laurel - Palm | No Project | 2.25 | F | 2.64 | F |
| maia otroot | Laurer Fallit | Project - No Mitigation | 2.26 | F | 2.68 | F |
| | | Project - With Mitigation | 1.51 | F | 1.79 | F |
| | Palm - Sassafras | No Project | 1.01 | F | | F |
| | raiiii - Sassaiias | Project - No Mitigation | 1 | | 2.09 | F |
| | | Project - NO Willigation | | | 2.11 | |
| | Connefron Washington | Project - With Mitigation No Project | | | 0.84 | E F |
| | Sassafras - Washington | Project - No Mitigation | | | 2.41 2.42 | F |
| | | | | | | |

Table D-136

Mitigate Improve to LOS D Condition (2010 – 2020) Proposed Airport Implementation Plan (with Parking Structure)

<u>Mitigation Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego <u>and is provided for Informational Purposes ONLY.</u>

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|--------------------|-------------------------|--|------|------|------|------|------|------|
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS |
| North Harbor Drive | Winship - Rental Car Rd | No Project | | | | | 0.94 | Е |
| | | Project - No Mitigation Improvement | | | | | 0.96 | Е |
| | | Project - With Mitigation Improvement | | | | | 0.84 | С |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.90 | D | | |
| | | Project - No Mitigation Improvement | | | 0.90 | Е | | |
| | | Project - With Mitigation Improvement | | | 0.75 | D | | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | E | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation Improvement | 0.97 | Е | 1.17 | F | 1.19 | F |
| | | Project - With Mitigation Improvement | 0.39 | В | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.27 | F | 1.48 | F | 1.48 | F |
| | | Project - With Mitigation Improvement | 0.34 | В | 0.40 | В | 0.40 | В |

Table D-137

Mitigate Improve to LOS D Condition (2025 – 2030) Proposed Airport Implementation Plan (with Parking Structure)

<u>Mitigation-Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego <u>and is provided for Informational Purposes ONLY.</u>

| | | 1 | Year | | | ar 2030 | |
|--------------------|-------------------------|--|----------|-----|---|---------|--|
| Roadway | Segment | | V/C | LOS | V/C | LOS | |
| North Harbor Drive | T1 Access - Winship | No Project | 0.93 | E | 0.94 | E | |
| | · · | Project - No Mitigation Improvement | 0.99 | Е | 1.01 | F | |
| | | Project - With Mitigation Improvement | 0.86 | С | 0.88 | D | |
| | Winship - Rental Car Rd | No Project | 0.98 | Е | 0.97 | E | |
| | · | Project - No Mitigation Improvement | 1.01 | F | 1.03 | F | |
| | | Project - With Mitigation-Improvement | 0.89 | D | 0.90 | D | |
| | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F | |
| | | Project - No Mitigation Improvement | 1.77 | F | 1.79 | F | |
| | | Project - With Mitigation Improvement | 1.33 | F | 1.34 | F | |
| | Laurel - Hawthorn | No Project | 1.19 | F | 1.22 | F | |
| | | Project - No Mitigation Improvement | 1.21 | F | 1.27 | F | |
| | | Project - With Mitigation Improvement | 0.91 | D | 0.95 | Е | |
| Grape Street | Harbor - Pacific | No Project | 1.09 | F | 1.13 | F | |
| | | Project - No Mitigation Improvement | 1.10 | F | 1.17 | F | |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.73 | С | |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F | |
| | | Project - No Mitigation Improvement | 1.43 | F | 1.50 | F | |
| | | Project - With Mitigation-Improvement | 0.79 | D | 0.83 | D | |
| | Kettner - I-5 | No Project | | | 1.66 | F | |
| | | | | | | F | |
| | | | | | | D | |
| Hawthorn Street | Harbor - Pacific | No Project | 1.10 | | 1.16 | F | |
| | | | | | | F | |
| | | , , | 0.70 | С | | С | |
| | Pacific - Kettner | | | | | F | |
| | | | | | | F | |
| | | | 0.62 | С | | С | |
| | Kettner - I-5 | | | | | F | |
| | | | | | | F | |
| | | | 0.78 | | | D | |
| Kettner Blvd | Washington - Sassafras | | | | | F | |
| | | | | | | F | |
| | | | | | | С | |
| | Sassafras - Palm | Project - No Mitigation Improvement 1.69 | E | | | | |
| | | | | | 1.69 0.84 1.16 1.20 0.75 1.03 1.06 0.67 1.66 1.69 0.85 1.11 1.14 0.71 0.99 1.02 0.64 1.13 1.15 0.87 | F | |
| | | | 0.74 | С | | С | |
| Laurel Street | Pacific - Kettner | | | | | F | |
| | | | | | | F | |
| | | | | | | D | |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | | E | |
| | | Project - No Mitigation Improvement | 1.32 | F | 0.99 | E | |
| | | Project - With Mitigation-Improvement | 0.53 | С | 0.40 | В | |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F | |
| | | Project - No Mitigation Improvement | 1.56 | F | 1.36 | F | |
| | <u> </u> | Project - With Mitigation Improvement | 0.42 | В | 0.36 | В | |
| India Street | Laurel - Palm | No Project | 2.25 | F | 2.64 | F | |
| | | Project - No Mitigation Improvement | 2.26 | F | 2.68 | F | |
| | | Project - With Mitigation Improvement | 0.60 | С | 0.71 | D | |
| | Palm - Sassafras | No Project | | | 2.09 | F | |
| | | Project - No Mitigation Improvement | | | 2.11 | F | |
| | <u> </u> | Project - With Mitigation Improvement | 0.57 | С | 0.63 | С | |
| | Sassafras - Washington | No Project | <u> </u> | | 2.41 | F | |
| | | Project - No Mitigation Improvement | | | 2.42 | F | |
| | | Project - With Mitigation Improvement | 0.57 | С | 0.73 | С | |

D.10.1.2 <u>Proposed Airport Implementation Plan (Without Parking Structure)</u>

The following mitigation <u>described below</u> is <u>were</u> identified <u>to mitigate potentially significant Project impacts</u> for street segments <u>and to restore traffic conditions to No Project levels with potentially significant traffic impacts</u>. In addition, as requested by the city of San Diego, <u>Wwhere mitigation to No Project remains below LOS D conditions and acceptable LOS conditions (defined by the City of San Diego to be LOS D) differs, separate <u>mitigation measures potential improvements</u> are identified. Operations after implementation of proposed mitigation <u>compared to No Project conditions</u> is shown in <u>Tables D-138 and D-139</u> and <u>improvements</u> to LOS D conditions is shown in <u>Tables D-140 and D-141</u> for informational purposes only.</u>

Year 2010

- Sassafras Street between Kettner Boulevard and India Street:
 - Mitigation: Provide one additional eastbound travel lane for a total of one westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: Provide one additional eastbound and one additional westbound travel lanes for a total of two westbound and two eastbound to mitigate improve to LOS B through 2030.

See Section 10.1.1 for a description of Sassafras Street.

Year 2015

- All locations identified in Year 2010 above, plus the following:
- Kettner Boulevard between Sassafras Street and Palm Street which increased from LOS D under No Project to LOS E with Project:
 - Mitigation: Provide one additional travel lane for a total of four travel lanes oneway to mitigate to No Project conditions which is also provides LOS D through 2030.
- Sassafras Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional eastbound travel lane for a total of two westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: This improvement will also mitigate improve the segment to an acceptable level of service C through 2030.

Year 2020

 All locations identified in Year 2015 above except Kettner Boulevard between Sassafras Street and Palm Street (LOS F under both No Project and with Project but with an increase in volume to capacity ratio of less than 0.02)

- All locations identified in Year 2020 above, plus the following:
- North Harbor Drive between Terminal 1 Access and Winship Lane:
 - Mitigation: Provide one additional travel lane for a total of nine lanes to mitigate to No Project conditions. This segment is currently a maximum eight-lane configuration per City's roadway classification for Primary Arterial. A new roadway classification (9-lane Primary Arterial) would be required and

- corresponding capacity values defined to analyze the impact of the added lane.
- o <u>Other Improvements</u>: This improvement would also <u>mitigate improve</u> the segment to LOS D conditions.
- North Harbor Drive between Winship Lane and Rental Car Access Road:
 - Mitigation: Provide one additional travel lane for a total of nine lanes to mitigate to No Project conditions. This segment is already at maximum eight-lane configuration per City's roadway classification for Primary Arterial. A new roadway classification (9-lane Primary Arterial) would be required and corresponding capacity values defined to be able to analyze the impact of the added lane.
 - o <u>Other Improvements</u>: 10 lanes would be required to <u>mitigate</u> <u>improve the</u> <u>segment</u> to LOS D through 2030.
 - Kettner Boulevard between Washington Street and Sassafras Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate</u> <u>improve</u> the segment to LOS D through 2030.
 - Kettner Boulevard between Sassafras Street and Palm Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate improve</u> the segment to LOS D through 2030.

- All locations identified in Year 2025 above plus the following:
- North Harbor Drive between Rental Car Access Road and Laurel Street:
 - Mitigation: Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2025 and 2030 and no feasible mitigation practicable traffic improvement is available. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
- North Harbor Drive between Laurel Street and Hawthorn Street:
 - Mitigation: Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions until 2030, and to LOS D or better in 2010.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2025 and 2030 and no feasible mitigation practicable traffic improvement is available. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
- Grape Street between North Harbor Drive and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape Street, to mitigate to No Project conditions through 2030.

- Other Improvements: Two additional travel lanes for a total of 5 lanes (5-lane Major configuration) would be required between North Harbor Drive and Kettner Boulevard to mitigate improve the segment to LOS C and D through 2030.
- Other Improvements: Three additional travel lanes for a total of 6 lanes (6 lane Major configuration) would be required between Kettner and I-5 to mitigate improve the segment to LOS D conditions.
- Hawthorn Street between North Harbor Drive and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Hawthorn, to mitigate to No Project conditions.
 - Other Improvements: A 4-lane Major classification would be required to mitigate improve the segment from North Harbor Drive to Kettner Boulevard to LOS C in 2030.
 - Other Improvements: Three additional lanes (6-lane Major one-way) would be required to mitigate improve the segment between Kettner Boulevard and I-5 to LOS D conditions in 2030.
- Laurel Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Reclassify from 4-Lane Collector to 4-Lane Major to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the segment to LOS D.
- India Street between Laurel Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 3 lanes one-way which would require prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: A 4-lane configuration would be required to mitigate improve the segment to LOS D in 2030.
- India Street between Palm Street and Sassafras Street:
 - Mitigation: Provide one additional travel lane for a total of four lanes one-way; would require removal on-street parking to widen India Street to mitigate to No Project conditions.
 - Other Improvements: A 4-lane Major configuration/reclassification is required to mitigate improve the segment to LOS D or better in 2030.

Table D-138

Street Segment Operations with Mitigation (2010 – 2020) Proposed Implementation Plan (without Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---------------------------|------|------|------|------|------|------|
| Roadway | Segment | Scenario | V/C | LOS | V/C | LOS | V/C | LOS |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.90 | D | | |
| | | Project - No Mitigation | | | 0.90 | Е | | |
| | | Project - With Mitigation | | | 0.56 | С | | |
| Sassafras Street | Pacific - Kettner | No Project | | | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation | | | 1.17 | F | 1.19 | F |
| | | Project - With Mitigation | | | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation | 1.27 | F | 1.48 | F | 1.48 | F |
| | | Project - With Mitigation | 0.84 | Е | 0.99 | Е | 0.99 | Е |

Table D-139

Street Segment Operations with Mitigation (2025 – 2030) Proposed Implementation Plan (without Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2025 | Year 2030 | |
|--------------------|-------------------------|------------------------------------|------|--------|--|-----|
| | | | | | | |
| Roadway | Segment | Scenario | V/C | LOS | V/C | LOS |
| North Harbor Drive | T1 Access - Winship | No Project | 0.93 | E | 0.94 | Е |
| | | Project - No Mitigation | 0.96 | E | 0.98 | E |
| | | Project - With Mitigation | 0.90 | D | 0.92 | D |
| | Winship - Rental Car Rd | No Project | 0.98 | E | 0.97 | E |
| | | Project - No Mitigation | 1.00 | F | 1.01 | F |
| | | Project - With Mitigation | 0.93 | Е | 0.94 | E |
| | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation | 1.76 | F | 1.78 | F |
| | | Project - With Mitigation | 1.63 | F | 1.64 | F |
| | Laurel - Hawthorn | No Project | | | 1.22 | F |
| | | Project - No Mitigation | | | 1.26 | F |
| | | Project - With Mitigation | | | 1.16 | F |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| • | | Project - No Mitigation | | | 1.15 | F |
| | | Project - With Mitigation | | | 1.15 | F |
| Grape Street | Pacific - Kettner | No Project | | | 1.46 | F |
| | | Project - No Mitigation | | | 1.49 | F |
| | | Project - With Mitigation | | | | F |
| | Kettner - I-5 | No Project | | | | F |
| | 110111101 1 0 | Project - No Mitigation | | | | F |
| | | Project - With Mitigation | | | | F |
| Hawthorn Street | Harbor - Pacific | No Project | | | | F |
| Hawthom offect | Tarbor - Facilic | Project - No Mitigation | | | | F |
| | | Project - With Mitigation | | | | E |
| | Pacific - Kettner | No Project | | | | F |
| | 1 delile - Rettrici | Project - No Mitigation | | | | F |
| | | Project - With Mitigation | | | | E |
| | Kettner - I-5 | No Project | | | | F |
| | Retulei - 1-5 | Project - No Mitigation | | | | F |
| | | Project - With Mitigation | | | | F |
| Katta an Dhid | Washington Casasfee | | 1.04 | - | | F |
| Kettner Blvd | Washington - Sassafras | No Project Project - No Mitigation | 1.04 | F F | | F |
| | | Project - With Mitigation | 0.66 | C | | С |
| | Casadras Dalm | | 1.17 | F | | E |
| | Sassafras - Palm | No Project | 1.17 | F | 1.24 1.66 1.68 1.40 1.16 1.19 0.99 1.03 1.06 1.66 1.69 1.41 1.11 0.71 0.99 1.02 0.64 1.13 1.16 0.87 | F |
| | | Project - No Mitigation | 0.74 | C | | C |
| 11 041 | Desifie Ketters | Project - With Mitigation | 0.74 | C | | |
| Laurel Street | Pacific - Kettner | No Project | | | | F |
| | | Project - No Mitigation | | | | F |
| | - 10 11 11 | Project - With Mitigation | | _ | | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | E |
| | | Project - No Mitigation | 1.32 | F | 0.99 | E |
| | | Project - With Mitigation | 0.53 | С | 0.40 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation | 1.56 | F | 1.36 | F |
| | | Project - With Mitigation | 1.04 | F | 0.91 | E |
| India Street | Laurel - Palm | No Project | | | 2.64 | F |
| | | Project - No Mitigation | | | 2.68 | F |
| | | Project - With Mitigation | | | 1.79 | F |
| | Palm - Sassafras | No Project | | | 2.09 | F |
| | | Project - No Mitigation | | | 2.11 | F |
| | | Project - With Mitigation | | | 0.84 | E |

Table D-140

Mitigate Improve to LOS D Condition (2010 – 2020) Proposed Airport Implementation Plan (without Parking Structure)

<u>Mitigation-Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego <u>and is provided for Informational Purposes ONLY.</u>

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---|------|------|-------|------|------|------|
| Roadway | Segment | Scenario | V/C | LOS | V/C | LOS | V/C | LOS |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.897 | D | | |
| | | Project - No Mitigation Improvement | | | 0.901 | E | | |
| | | Project - With Mitigation- Improvement | | | 0.563 | С | 0.76 | |
| Sassafras Street | Pacific - Kettner | No Project | | | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation Improvement | | | 1.17 | F | 1.19 | F |
| | | Project - With Mitigation Improvement | | | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.27 | F | 1.48 | F | 1.48 | F |
| | | Project - With Mitigation Improvement | 0.34 | В | 0.40 | В | 0.40 | В |

Table D-141

Mitigate Improve to LOS D Condition (2010 – 2020) Proposed Airport Implementation Plan (without Parking Structure)

<u>Mitigation-Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego <u>and is provided for Informational Purposes ONLY.</u>

| | | | Year | 2025 | Year | 2030 |
|--------------------|-------------------------|--|------|------|--|--------|
| | | | | | | |
| Roadway | Segment | Scenario | V/C | LOS | V/C | LOS |
| North Harbor Drive | T1 Access - Winship | No Project | 0.93 | E | 0.94 | E |
| | | Project - No Mitigation Improvement | 0.96 | E | 0.98 | Е |
| | | Project - With Mitigation Improvement | 0.90 | D | 0.92 | D |
| | Winship - Rental Car Rd | No Project | 0.98 | Е | 0.97 | E |
| | | Project - No Mitigation Improvement | 1.00 | F | 1.01 | F |
| | | Project - With Mitigation-Improvement | 0.88 | D | 0.88 | D |
| | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation Improvement | 1.76 | F | 1.78 | F |
| | | Project - With Mitigation-Improvement | 1.32 | F | 1.33 | F |
| | Laurel Heurthern | | 1.02 | · | | |
| | Laurel - Hawthorn | No Project Project - No Mitigation Improvement | | | 1.22 1.26 | F F |
| | | | | _ | | |
| | | Project - With Mitigation Improvement | 0.90 | D | 0.94 | Е |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| | | Project - No Mitigation Improvement | | | 1.15 | F |
| | | Project - With Mitigation Improvement | 0.68 | С | 0.72 | С |
| | Pacific - Kettner | No Project | | | 1.46 | F |
| | | Project - No Mitigation Improvement | | | 1.49 | F |
| | | Project - With Mitigation Improvement | 0.79 | D | 0.83 | D |
| | Kattana 15 | , , | 0.70 | | | |
| | Kettner - I-5 | No Project Project - No Mitigation Improvement | | | | F F |
| | | | | _ | | |
| | | Project - With Mitigation-Improvement | 0.77 | D | 0.84 | D |
| Hawthorn Street | Harbor - Pacific | No Project | | | 1.16 | F |
| | | Project - No Mitigation Improvement | | | 1.19 | F |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.74 | С |
| | Pacific - Kettner | No Project | | | 1.03 | F |
| | - demo rectarior | Project - No Mitigation Improvement | | | 1.06 | F |
| | | Project - With Mitigation Improvement | 0.62 | С | 0.66 | С |
| | Kattana 15 | | 0.02 | Ü | | |
| | Kettner - I-5 | No Project Project - No Mitigation Improvement | | | | F F |
| | | | | | | |
| | | Project - With Mitigation Improvement | 0.77 | D | 0.84 | D |
| Kettner Blvd | Washington - Sassafras | No Project | 1.04 | F | 1.11 | F |
| | | Project - No Mitigation Improvement | 1.06 | F | 1.19 0.74 1.03 1.06 0.66 1.66 1.69 | F |
| | | Project - With Mitigation-Improvement | 0.66 | С | 0.71 | С |
| | Sassafras - Palm | No Project | 1.17 | F | 0.99 | Е |
| | | Project - No Mitigation Improvement | 1.18 | F | | F |
| | | Project - With Mitigation-Improvement | 0.74 | С | 0.64 | С |
| L Ott | Darifia Matter | , , | 0 | , in | | |
| Laurel Street | Pacific - Kettner | No Project Project - No Mitigation Improvement | | | 1.13 | F F |
| | | | | _ | | |
| | | Project - With Mitigation Improvement | 0.80 | D | 0.87 | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | E |
| | | Project - No Mitigation Improvement | 1.32 | F | 0.99 | Е |
| | | Project - With Mitigation-Improvement | 0.53 | С | 0.40 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation Improvement | 1.56 | F | 1.36 | F |
| | | Project - With Mitigation-Improvement | 0.42 | В | 0.36 | В |
| In dia Otro- et | Level Dele | , , | 0.72 | | | |
| India Street | Laurel - Palm | No Project Project - No Mitigation Improvement | | | 2.64 2.68 | F F |
| | | | 0.00 | | | |
| | | Project - With Mitigation Improvement | 0.60 | С | 0.71 | D |
| | Palm - Sassafras | No Project | | | 2.09 | F |
| | | Project - No Mitigation Improvement | | | 2.11 | F |
| | i | Project - With Mitigation Improvement | 0.57 | С | 0.63 | С |

D.10.1.3 <u>Airport Implementation Plan Alternative (With Parking Structure)</u>

The following mitigation <u>described below</u> is <u>were</u> identified <u>to mitigate potentially significant Project impacts</u> for street segments <u>and to restore traffic conditions to No Project levels with potentially significant traffic impacts</u>. In addition, as requested by the city of San Diego, W where mitigation to No Project <u>remains below LOS D</u> conditions and acceptable LOS conditions (defined by the City of San Diego to be LOS D) differs, separate <u>mitigation measures potential improvements</u> are identified. Operations after implementation of proposed mitigation <u>compared</u> to No Project conditions is shown in <u>Tables D-142 and D-143</u> and <u>improvements</u> to LOS D conditions is shown in <u>Tables D-144 and D-145</u> for informational purposes only.

Year 2010

- Sassafras Street between Pacific Highway and Kettner Boulevard:
 - o <u>Mitigation:</u> Provide one additional eastbound travel lane for a total of two westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate</u> <u>improve</u> <u>the</u> segment to LOS B or C conditions.
- Sassafras Street between Kettner Boulevard and India Street:
 - Mitigation: Provide one additional eastbound travel lane for a total of one westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: Provide one additional eastbound and one additional westbound travel lanes for a total of two westbound and two eastbound to mitigate improve the segment to LOS B conditions through 2030.

See Section D.10.1.1 for a description of Sassafras Street.

Year 2015

- All mitigation identified in Year 2010
- Kettner Boulevard between Sassafras Street and Palm Street which increased from LOS D under No Project to LOS E with Project:
 - Mitigation: Provide one additional travel lane for a total of four travel lanes oneway to mitigate to No Project conditions.
 - Other Improvements: This improvement will also mitigate improve the segment to an acceptable level of service C through 2015.

- All locations identified in Year 2015 above except Kettner Boulevard between Sassafras Street and Palm Street (LOS F under both No Project and with Project but with an increase in volume to capacity ratio of less than 0.02)
- Grape Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: Two additional travel lanes for a total of 5 lanes (5-lane Major configuration) would be required between Pacific Highway and Kettner Boulevard to mitigate-improve the segment to LOS C and D through 2030.

Year 2025

- All locations identified in Year 2020 above, plus the following:
- North Harbor Drive between Rental Car Access Road and Laurel Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2025 and 2030 and no feasible mitigation practicable traffic improvement is available in 2030. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
- North Harbor Drive between Laurel Street and Hawthorn Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: 10-lane Prime configuration is required (4 additional travel lanes) to mitigate improve the segment to LOS D or better in 2025.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2030 and no feasible mitigation practicable traffic improvement is available in 2030. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
- Grape Street between North Harbor Drive and Pacific Highway:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: This improvement would also mitigate improve the segment between North Harbor Drive and Pacific Highway to LOS C through 2030.
- Kettner Boulevard between Washington Street and Sassafras Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the segment to LOS C through 2030.
- Kettner Boulevard between Sassafras Street and Palm Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate improve</u> the segment to LOS C or D through 2030.

- All locations identified in Year 2025 above plus the following:
 - North Harbor Drive between Laurel Street and Hawthorn Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: 10-lane Prime configuration is required (4 additional travel

- lanes) to mitigate improve the segment to LOS D or better in 2025.
- Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2030 and no feasible mitigation practicable traffic improvement is available in 2030. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
- Grape Street between Kettner Boulevard and I-5:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: Three additional travel lanes for a total of 6 lanes (6-lane Major) would be required between Kettner and I-5 to mitigate improve the segment to LOS D conditions.
- Hawthorn Street between North Harbor Drive and I-5:
 - <u>Mitigation</u>: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Hawthorn, to mitigate to No Project conditions.
 - <u>Other Improvements</u>: This improvement would <u>mitigate improve</u> the segment between North Harbor Drive and Kettner Boulevard to LOS C through 2030.
 - Other Improvements: Two additional lanes for a total of 5 lanes would be required between Kettner Boulevard and I-5 to mitigate improve the segment to LOS D through 2025.
 - Other Improvements: Three additional lanes (6-lane Major one-way) would be required between Kettner Boulevard and I-5 to mitigate improve the segment to LOS D conditions in 2030.
- Laurel Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Reclassify from 4-Lane Collector to 4-Lane Major to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate improve</u> the segment to LOS D.
- India Street between Laurel Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 3 lanes one-way which would require prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: Provide 2 additional travel lanes for a total of 4 lanes oneway to mitigate improve the segment to LOS D.
- India Street between Palm Street and Washington Street:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes one-way which would require prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: This segment is currently classified as a 3-lane collector and a re-classification and widening to 4-lane major would be required to mitigate improve the segment to LOS D conditions.

Table D-142

Street Segment Operations with Mitigation (2010 – 2020)

Proposed Airport Implementation Plan Alternative (with Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---------------------------|------|------|------|------|------|------|
| | _ | | | | | | | |
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS |
| Grape Street | Pacific - Kettner | No Project | | | | | 1.37 | F |
| | | Project - No Mitigation | | | | | 1.38 | F |
| | | Project - With Mitigation | | | | | 1.15 | F |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.90 | D | | |
| | | Project - No Mitigation | | | 0.90 | E | | |
| | | Project - With Mitigation | | | 0.56 | С | | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | Е | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation | 0.98 | Е | 1.25 | F | 1.19 | F |
| | | Project - With Mitigation | 0.39 | В | 0.50 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation | 1.27 | F | 1.54 | F | 1.48 | F |
| | | Project - With Mitigation | 0.85 | Е | 1.03 | F | 0.99 | Е |

Table D-143

Street Segment Operations with Mitigation (2025 – 2030) Proposed Airport Implementation Plan Alternative (with Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2025 | Year | 2030 |
|--------------------|------------------------|--|------|----------|--------------|--------|
| | | | | | | |
| Roadway | Segment | | V/C | Los | V/C | LOS |
| North Harbor Drive | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| 110101110100101110 | rtomar our rta Eauroi | Project - No Mitigation | 1.77 | F | 1.79 | F |
| | | Project - With Mitigation | 1.63 | F | 1.65 | F |
| | Laurel - Hawthorn | No Project | | | 1.22 | F |
| | | Project - No Mitigation | | | 1.26 | F |
| | | Project - With Mitigation | | | 1.17 | F |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| | | Project - No Mitigation | | | 1.17 | F |
| | | Project - With Mitigation | | | 0.97 | Е |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F |
| | | Project - No Mitigation | 1.44 | F | 1.51 | F |
| | | Project - With Mitigation | 1.20 | F | 1.26 | F |
| | Kettner - I-5 | No Project | 0 | | 1.66 | F |
| | | Project - No Mitigation | | | 1.69 | F |
| | | Project - With Mitigation | | | 1.41 | F |
| Hawthorn Street | Harbor - Pacific | No Project | | | 1.16 | F |
| Hawaiidiii dadda | Tidibor Taomo | Project - No Mitigation | | | 1.19 | F |
| | | Project - With Mitigation | | | 0.99 | Ė |
| | Pacific - Kettner | No Project | | | 1.03 | F |
| | i aciiic - Rettiiei | Project - No Mitigation | | | 1.06 | F |
| | | Project - With Mitigation | | | 0.89 | E |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | Rettrier - 1-5 | Project - No Mitigation | | | 1.69 | F |
| | | Project - With Mitigation | | | 1.41 | F |
| Kettner Blvd | Washington - Sassafras | No Project | | | 1.11 | F |
| Rettrier bivu | Washington - Sassanas | Project - No Mitigation | | | 1.14 | F |
| | | Project - With Mitigation | | | 0.71 | C |
| | Sassafras - Palm | No Project | | | 0.71 | E |
| | Sassailas - Faiili | , | | | 1.02 | F |
| | | Project - No Mitigation Project - With Mitigation | | | 0.64 | C |
| Laurel Chrash | Danisia Mattern | , , | | | 1.13 | F |
| Laurel Street | Pacific - Kettner | No Project | | | | |
| | | Project - No Mitigation Project - With Mitigation | | | 1.16 0.87 | F D |
| Casasina Chasai | Danisia Mattana | , v | 4.00 | _ | | |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | E |
| | | Project - No Mitigation | 1.32 | F | 0.99 | E |
| | Matter and all a | Project - With Mitigation | 0.53 | С | 0.40 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation | 1.56 | F | 1.36 | F |
| la d'a Otas et | Lawrel Balm | Project - With Mitigation | 1.04 | F | 0.91 | E |
| India Street | Laurel - Palm | No Project | | <u> </u> | 2.64 | F |
| | | Project - No Mitigation | | | 2.68 | F |
| | | Project - With Mitigation | | | 1.79 | F |
| | Palm - Sassafras | No Project | | | 2.09 | F |
| | | Project - No Mitigation | | | 2.11 | F |
| | | Project - With Mitigation | | _ | 0.84 | E |
| | Sassafras - Washington | No Project | 1.93 | F | 2.41 | F |
| | | Project - No Mitigation | 1.91 | F | 2.42 | F |
| | | Project - With Mitigation | 0.76 | D | 0.97 | E |

Table D-144

Mitigate Improve to LOS D Condition (2010 – 2020) Proposed Airport Implementation Plan Alternative (with Parking Structure)

<u>Mitigation-Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | Year | r 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---------------------------------------|------|--------|------|------|------|------|
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS |
| Grape Street | Pacific - Kettner | No Project | | | | | 1.37 | F |
| · | | Project - No Mitigation Improvement | | | | | 1.38 | F |
| | | Project - With Mitigation Improvement | | | | | 0.87 | D |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.90 | D | | |
| | | Project - No Mitigation Improvement | | ĺ | 0.90 | Е | | |
| | | Project - With Mitigation Improvement | | | 0.56 | С | | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | E | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation Improvement | 0.98 | E | 1.25 | F | 1.19 | F |
| | | Project - With Mitigation Improvement | 0.39 | В | 0.50 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.27 | F | 1.54 | F | 1.48 | F |
| | | Project - With Mitigation Improvement | 0.34 | В | 0.41 | В | 0.40 | В |

Table D-145

Mitigate Improve to LOS D Condition (2025 – 2030) Proposed Airport Implementation Plan Alternative (with Parking Structure)

<u>Mitigation Improvements</u> assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | Year | 2025 | Year | 2030 |
|--------------------|------------------------|---------------------------------------|-------|--|--|------|
| | | | | | | |
| Roadway | Segment | | V/C | Los | V/C | LOS |
| North Harbor Drive | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation Improvement | 1.77 | F | 1.79 | F |
| | | Project - With Mitigation Improvement | 1.33 | F | 1.34 | F |
| | Laurel - Hawthorn | No Project | 1.19 | F | 1.22 | F |
| | | Project - No Mitigation Improvement | 1.21 | F | 1.26 | F |
| | | Project - With Mitigation Improvement | 0.91 | D | 0.95 | Е |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| | | Project - No Mitigation Improvement | | | 1.17 | F |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.73 | С |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.44 | F | 1.51 | F |
| | | Project - With Mitigation Improvement | 0.80 | D | 0.84 | D |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation Improvement | | | 1.69 | F |
| | | Project - With Mitigation Improvement | 0.77 | С | 0.84 | D |
| Hawthorn Street | Harbor - Pacific | No Project | | | 1.16 | F |
| - Caract | | Project - No Mitigation Improvement | | | 1.19 | F |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.74 | С |
| | Pacific - Kettner | No Project | | | 1.03 | F |
| | | Project - No Mitigation Improvement | | | 1.06 | F |
| | | Project - With Mitigation Improvement | 0.62 | С | 0.66 | С |
| | Kettner - I-5 | No Proiect | | | 1.66 | F |
| | | Project - No Mitigation Improvement | | | 1.69 | F |
| | | Project - With Mitigation Improvement | 0.78 | С | 0.85 | D |
| Kettner Blvd | Washington - Sassafras | No Project | 1.04 | F | 1.11 | F |
| | <u> </u> | Project - No Mitigation Improvement | 1.06 | F | 1.14 | F |
| | | Project - With Mitigation Improvement | 0.66 | | | C |
| | Sassafras - Palm | No Project | 1.17 | F | | Ē |
| | | Project - No Mitigation Improvement | 1.19 | C 0.85 F 1.11 F 1.14 C 0.71 F 0.99 | F | |
| | | Project - With Mitigation Improvement | 0.74 | C | | C |
| Laurel Street | Pacific - Kettner | No Project | • | - | | F |
| | | Project - No Mitigation Improvement | | | | F |
| | | Project - With Mitigation Improvement | 0.79 | D | 1.16 1.19 0.74 1.03 1.06 0.66 1.66 1.69 0.85 1.11 1.14 | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | | E |
| | | Project - No Mitigation Improvement | 1.32 | F | | Ē |
| | | Project - With Mitigation Improvement | 0.53 | C | | В |
| | Kettner-India | No Project | 1.53 | F | | F |
| | Trouble maid | Project - No Mitigation Improvement | 1.56 | F | | F |
| | | Project - With Mitigation Improvement | 0.42 | В | | В |
| India Street | Laurel - Palm | No Project | V. 12 | | 2.64 | F |
| 011001 | 200101 1 0111 | Project - No Mitigation Improvement | | | 2.68 | F |
| | | Project - With Mitigation Improvement | 0.60 | С | 0.71 | D |
| | Palm - Sassafras | No Project | 0.00 | Ŭ | 2.09 | F |
| | . a Cascando | Project - No Mitigation Improvement | | - | 2.11 | F |
| | | Project - With Mitigation Improvement | 0.57 | С | 0.63 | C |
| | Sassafras - Washington | No Project | 0.01 | | 2.41 | F |
| | Cascardo Wacrington | Project - No Mitigation Improvement | | | 2.42 | F |
| | 1 | Project - With Mitigation Improvement | 0.57 | С | 0.73 | C |

Source: HNTB, 2007.

D.10.1.4 <u>Airport Implementation Plan Alternative (Without Parking Structure)</u>

The following mitigation <u>described below</u> is <u>were</u> identified <u>to mitigate potentially significant Project impacts</u> for street segments <u>and to restore traffic conditions to No Project levels with potentially significant traffic impacts</u>. In addition, as requested by the city of San Diego, <u>W where mitigation to No Project remains below LOS D conditions and acceptable LOS conditions (defined by the City of San Diego to be LOS D) differs, separate <u>mitigation measures potential improvements</u> are identified. Operations after implementation of proposed mitigation <u>compared</u></u>

to No Project conditions is shown in **Tables D-146 and D-147** and <u>improvements</u> to LOS D conditions is shown in **Tables D-148 and D-149** for informational purposes only.

Year 2010

- Sassafras Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional eastbound travel lane for a total of two westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: This improvement will also mitigate improve the segment to LOS D conditions.
- Sassafras Street between Kettner Boulevard and India Street:
 - Mitigation: Provide one additional eastbound travel lane for a total of one westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: Provide one additional eastbound and one additional westbound travel lanes for a total of two westbound and two eastbound to mitigate improve the segment to LOS B conditions through 2030.

See Section D.10.1.1 for a description of Sassafras Street.

Year 2015

- All mitigation identified in Year 2010
- Kettner Boulevard between Sassafras Street and Palm Street which increased from LOS D under No Project to LOS E with Project:
 - Mitigation: Provide one additional travel lane for a total of four travel lanes oneway to mitigate to No Project conditions which is also LOS D conditions.

Year 2020

 All locations identified in Year 2015 above except Kettner Boulevard between Sassafras Street and Palm Street (LOS F under both No Project and with Project but with an increase in volume to capacity ratio of less than 0.02).

- All locations identified in Year 2020 above, plus the following:
- North Harbor Drive between Rental Car Access Road and Laurel Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions through 2030.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2025 and 2030 and no feasible mitigation practicable traffic improvement is available in 2030. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
 - Grape Street between Pacific Highway and Kettner Boulevard:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: Two additional travel lanes for a total of 5 lanes (5-lane Major configuration) would be required between Pacific Highway and Kettner Boulevard to mitigate improve the segment to LOS D through 2030.

- Kettner Boulevard between Washington Street and Sassafras Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the segment to LOS C through 2030.
- Kettner Boulevard between Sassafras Street and Palm Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes one-way to mitigate to No Project conditions and to LOS D through 2030.

- All locations identified in Year 2025 above, plus the following:
- North Harbor Drive between Laurel Street and Hawthorn Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 7 lanes to mitigate to No Project conditions until 2030.
 - Other Improvements: This improvement would also mitigate improve the segment to LOS D or better in 2010.
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to <u>mitigate improve the segment</u> to LOS D or better in 2030 and no feasible <u>mitigation</u> practicable traffic improvement is available. <u>However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
 </u>
- Grape Street between North Harbor Drive and Pacific Highway:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: This improvement would also mitigate improve the segment between North Harbor Drive and Pacific Highway to LOS D.
- Grape Street between Kettner Boulevard and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Grape, to mitigate to No Project conditions through 2030.
 - Other Improvements: Three additional travel lanes for a total of 6 lanes (6 lane Major configuration) would be required between Kettner and I-5 to mitigate improve the segment to LOS D conditions.
- Hawthorn Street between North Harbor Drive and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes, which would require prohibiting parking on one side of Hawthorn, to mitigate to No Project conditions.
 - $\hbox{$\circ$} \ \, \underline{\hbox{Other Improvements}} \hbox{: This improvement would also } \underline{\hbox{mitigate improve}} \ \ \hbox{the segment between North Harbor Drive and Kettner Boulevard to LOS D}.$
 - Other Improvements: Three additional lanes (6-lane Major one-way) would be required between Kettner Boulevard and I-5 to mitigate improve the segment to LOS D conditions.
- Laurel Street between Pacific Highway and Kettner Boulevard:

- <u>Mitigation:</u> Reclassify from 4-Lane Collector to 4-Lane Major to mitigate to No Project conditions.
- Other Improvements: This improvement would also mitigate improve the segment to LOS D.
- India Street between Laurel Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 3 lanes one-way by prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: Provide two additional travel lanes for a total of 4 lanes to mitigate improve the segment to LOS D conditions.
- India Street between Palm Street and Sassafras Street:
 - Mitigation: Provide one additional travel lane for a total of four lanes one-way; would require removal of on-street parking to widen India Street to mitigate to No Project conditions.
 - Other Improvements: A 4-lane Major configuration/reclassification is required to mitigate improve the segment to LOS C in 2030.

Table D-146

Street Segment Operations with Mitigation (2010 – 2020) Proposed Airport Implementation Plan Alternative (without Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---------------------------|------|------|-------|------|------|------|
| Roadway | Segment | | v/c | LOS | V/C | LOS | V/C | LOS |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.897 | D | | |
| | | Project - No Mitigation | | | 0.902 | E | | |
| | | Project - With Mitigation | | | 0.56 | С | | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | E | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation | 0.98 | E | 1.17 | F | 1.20 | F |
| | | Project - With Mitigation | 0.39 | В | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation | 1.27 | F | 1.49 | F | 1.49 | F |
| | | Project - With Mitigation | 0.85 | E | 0.99 | E | 0.99 | Е |

Table D-147

Street Segment Operations with Mitigation (2025 – 2030) Proposed Airport Implementation Plan Alternative (without Parking Structure)

Mitigate to No Project Condition

| | | | Year | 2025 | Year 2030 | |
|--------------------|---------------------------------------|---------------------------|------|------|-----------|-----|
| Roadway | Segment | | V/C | LOS | V/C | LOS |
| North Harbor Drive | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation | 1.76 | F | 1.78 | F |
| | | Project - With Mitigation | 1.63 | F | 1.64 | F |
| | Laurel - Hawthorn | No Project | | | 1.22 | F |
| | | Project - No Mitigation | | | 1.26 | F |
| | | Project - With Mitigation | | | 1.16 | F |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| | | Project - No Mitigation | | | 1.16 | F |
| | | Project - With Mitigation | | | 0.97 | Е |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F |
| | | Project - No Mitigation | 1.43 | F | 1.50 | F |
| | | Project - With Mitigation | 1.19 | F | 1.25 | F |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation | | | 1.68 | F |
| | | Project - With Mitigation | | | 1.40 | F |
| Hawthorn Street | Harbor - Pacific | No Project | | | 1.16 | F |
| | | Project - No Mitigation | | | 1.18 | F |
| | | Project - With Mitigation | | | 0.99 | Е |
| | Pacific - Kettner | No Proiect | | | 1.03 | F |
| | | Project - No Mitigation | | | 1.06 | F |
| | | Project - With Mitigation | | | 0.88 | Е |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation | | | 1.69 | F |
| | | Project - With Mitigation | | | 1.41 | F |
| Kettner Blvd | Washington - Sassafras | No Project | 1.04 | F | 1.11 | F |
| | , , , , , , , , , , , , , , , , , , , | Project - No Mitigation | 1.06 | F | 1.14 | F |
| | | Project - With Mitigation | 0.66 | С | 0.71 | С |
| | Sassafras - Palm | No Project | 1.17 | F | 0.99 | E |
| | | Project - No Mitigation | 1.19 | F | 1.02 | F |
| | | Project - With Mitigation | 0.74 | С | 0.64 | С |
| Laurel Street | Pacific - Kettner | No Project | | | 1.13 | F |
| | | Project - No Mitigation | | | 1.16 | F |
| | | Project - With Mitigation | | | 0.87 | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | Е |
| | | Project - No Mitigation | 1.21 | F | 0.91 | E |
| | | Project - With Mitigation | 0.48 | C | 0.37 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation | 1.48 | F | 1.30 | F |
| | | Project - With Mitigation | 0.99 | Ė | 0.87 | E |
| India Street | Laurel - Palm | No Project | | | 2.64 | F |
| | | Project - No Mitigation | | | 2.68 | F |
| | | Project - With Mitigation | | | 1.78 | F |
| | Palm - Sassafras | No Project | | | 2.09 | F |
| | | Project - No Mitigation | | | 2.11 | F |
| | | Project - With Mitigation | | | 0.84 | Ē |

Table D-148

Mitigate Improve to LOS D Condition (2010 – 2020) Proposed Airport Implementation Plan Alternative (without Parking Structure)

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | Year | 2010 | Year | 2015 | Year | 2020 |
|------------------|-------------------|---|------|------|------|------|------|------|
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS |
| Kettner Blvd | Sassafras - Palm | No Project | | | 0.90 | D | | |
| | | Project - No Mitigation Improvement | | | 0.90 | E | | |
| | | Project - With Mitigation- Improvement | | | 0.56 | С | | |
| Sassafras Street | Pacific - Kettner | No Project | 0.95 | Е | 1.14 | F | 1.17 | F |
| | | Project - No Mitigation Improvement | 0.98 | Е | 1.17 | F | 1.20 | F |
| | | Project - With Mitigation Improvement | 0.39 | В | 0.47 | С | 0.48 | С |
| | Kettner-India | No Project | 1.25 | F | 1.46 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.27 | F | 1.49 | F | 1.49 | F |
| | | Project - With Mitigation Improvement | 0.34 | В | 0.40 | В | 0.40 | В |

Table D-149

Mitigate Improve to LOS D Condition (2025 – 2030) Proposed Airport Implementation Plan Alternative (without Parking Structure)

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | Year | 2025 | Year | 2030 |
|--------------------|------------------------|---------------------------------------|------|------|------|------|
| Roadway | Segment | | V/C | LOS | V/C | LOS |
| North Harbor Drive | Rental Car Rd - Laurel | No Project | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation Improvement | 1.76 | F | 1.78 | F |
| | | Project - With Mitigation Improvement | 1.32 | F | 1.33 | F |
| | Laurel - Hawthorn | No Project | | | 1.22 | F |
| | | Project - No Mitigation Improvement | | | 1.26 | F |
| | | Project - With Mitigation Improvement | 0.90 | D | 0.94 | Е |
| Grape Street | Harbor - Pacific | No Project | | | 1.13 | F |
| | | Project - No Mitigation Improvement | | | 1.16 | F |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.73 | С |
| | Pacific - Kettner | No Project | 1.41 | F | 1.46 | F |
| | | Project - No Mitigation Improvement | 1.43 | F | 1.50 | F |
| | | Project - With Mitigation Improvement | 0.80 | D | 0.83 | D |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation Improvement | | | 1.68 | F |
| | | Project - With Mitigation Improvement | 0.77 | С | 0.84 | D |
| Hawthorn Street | Harbor - Pacific | No Project | | | 1.16 | F |
| | | Project - No Mitigation Improvement | | | 1.18 | F |
| | | Project - With Mitigation Improvement | 0.69 | С | 0.74 | С |
| | Pacific - Kettner | No Project | | | 1.03 | F |
| | | Project - No Mitigation Improvement | | | 1.06 | F |
| | | Project - With Mitigation Improvement | 0.62 | С | 0.66 | С |
| | Kettner - I-5 | No Project | | | 1.66 | F |
| | | Project - No Mitigation Improvement | | | 1.69 | F |
| | | Project - With Mitigation Improvement | 0.77 | С | 0.84 | D |
| Kettner Blvd | Washington - Sassafras | No Project | 1.04 | F | 1.11 | F |
| | | Project - No Mitigation Improvement | 1.06 | F | 1.14 | F |
| | | Project - With Mitigation Improvement | 0.66 | С | 0.71 | С |
| | Sassafras - Palm | No Project | 1.17 | F | 0.99 | Е |
| | | Project - No Mitigation Improvement | 1.19 | F | 1.02 | F |
| | | Project - With Mitigation Improvement | 0.74 | С | 0.64 | С |
| Laurel Street | Pacific - Kettner | No Project | | | 1.13 | F |
| | | Project - No Mitigation Improvement | | | 1.16 | F |
| | | Project - With Mitigation Improvement | 0.79 | D | 0.87 | D |
| Sassafras Street | Pacific - Kettner | No Project | 1.28 | F | 0.94 | Е |
| | | Project - No Mitigation Improvement | 1.32 | F | 1.00 | Е |
| | | Project - With Mitigation Improvement | 0.53 | С | 0.40 | В |
| | Kettner-India | No Project | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation Improvement | 1.56 | F | 1.37 | F |
| | | Project - With Mitigation Improvement | 0.42 | В | 0.36 | В |
| India Street | Laurel - Palm | No Project | | | 2.64 | F |
| | | Project - No Mitigation Improvement | | | 2.68 | F |
| | | Project - With Mitigation Improvement | 0.60 | С | 0.71 | D |
| | Palm - Sassafras | No Project | | | 2.09 | F |
| | | Project - No Mitigation Improvement | | | 2.11 | F |
| | | Project - With Mitigation Improvement | 0.57 | С | 0.63 | С |

D.10.1.5 Proposed Airport Land Use Plan

The following mitigation described below is were identified to mitigate potentially significant Project impacts for street segments and to restore traffic conditions to No Project levels with potentially significant traffic impacts. In addition, as requested by the city of San Diego, W where mitigation to No Project remains below LOS D conditions and acceptable LOS conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures potential improvements are identified. Operations after implementation of proposed mitigation compared to No Project conditions is shown in Table D-150 and improvements to LOS D conditions are shown in Table D-151 for informational purposes only.

- North Harbor Drive between Rental Car Access Road and Laurel Street:
 - Mitigation: Provide 4 additional travel lanes for a total of 10 lanes (5 westbound + 5 eastbound) to mitigate to No Project conditions
 - Other Improvements: A 10-lane Prime configuration (4 additional travel lanes) is not adequate to mitigate improve the segment to LOS D or better in 2015 and 2030 and no feasible mitigation practicable traffic improvement is available. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant impact.
 - North Harbor Drive between Laurel Street and Hawthorn Street:
 - Mitigation: Provide 4 additional travel lanes for a total of 10 lanes to mitigate to No Project conditions through 2030 and to LOS D in 2015.
 - Other Improvements: 10 lanes not adequate to mitigate improve the segment to LOS D in 2020 through 2030 and no feasible mitigation practicable traffic improvement is available. However, because the Project is not the cause of the traffic levels being below LOS D, no mitigation is required and this is not a significant traffic impact.
- Grape Street between North Harbor Drive and Pacific Highway:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project conditions and to LOS D through 2030
- Grape Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project conditions through 2030.
 - Other Improvements: 5 lanes required to mitigate improve the segment to LOS D through 2025.
 - Other Improvements: 6 lanes required to mitigate improve the segment to LOS D in 2030
- Grape Street between Kettner Boulevard and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: 6-lane Major configuration required to <u>mitigate</u> <u>improve the</u> <u>segment</u> to LOS D through 2025.
 - Other Improvements: Reclassification to 6-lane Prime is required to mitigate improve the segment to LOS D in 2030.

- Hawthorn Street between North Harbor Drive and Pacific Highway:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project <u>conditions</u>.
 - Other Improvements: This would also improve the road segment and to LOS D conditions through 2030
- Hawthorn Street between Pacific Highway and Kettner Boulevard:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project conditions.
 - Other Improvements: This would also improve the road segment and to LOS D or better through 2030.
- Hawthorn Street between Kettner Boulevard and I-5:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes by prohibiting parking on one side to mitigate to No Project conditions.
 - Other Improvements: 5 lanes required to mitigate improve the segment to LOS D or better in 2015 to 2025.
 - Other Improvements: 6 lanes required to mitigate improve the segment to LOS D or better in 2030.
- Kettner Boulevard between Washington Street and Sassafras Street:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 4 lanes to mitigate to No Project conditions.
 - Other Improvements: This would also improve the road segment to and LOS D conditions through 2030.
- Kettner Boulevard between Sassafras Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate</u> <u>improve the</u> segment to LOS D through 2030.
- Laurel Street between North Harbor Drive and Pacific Highway:
 - <u>Mitigation:</u> Provide one additional travel lane for a total of 5 lanes to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: This improvement would also <u>mitigate</u> <u>improve the segment</u> to LOS D through 2025.
 - In 2030 background traffic decreased and no potential significant impacts were witnessed.
- Laurel Street between Pacific Highway and Kettner Boulevard:
 - <u>Mitigation:</u> Reclassify from 4-Lane Collector to 4-Lane Major Arterial to mitigate to No Project conditions.
 - Other Improvements: This improvement would also improve and to LOS D through 2025.
 - Improvement: One additional lane (5-Lane Major) required to mitigate improve the segment to LOS D in 2030.
- Sassafras Street between Pacific Highway and Kettner Boulevard:

- <u>Mitigation:</u> Provide one additional eastbound travel lane to have two westbound and two eastbound travel lanes to mitigate to No Project conditions.
- Other Improvements: This improvement would also improve the road segment and to LOS B and C through 2030.
- Sassafras Street between Kettner Boulevard and India Street:
 - <u>Mitigation:</u> Provide one additional eastbound travel lane to have one westbound and two eastbound travel lanes to mitigate to No Project conditions.
 - Other Improvements: 4 lanes required to mitigate improve the segment to LOS D or better through 2030.
- Washington Street between Kettner Boulevard and San Diego Street:
 - Mitigation: Reclassify from 4-lane Collector to 4-lane Major to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: The proposed implementation will <u>mitigate</u> <u>improve the</u> segment to LOS D through 2030.
- India Street between Laurel Street and Palm Street:
 - Mitigation: Provide one additional travel lane for a total of 3 lanes one-way by prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: 4 lanes required to mitigate improve the segment to LOS D through 2030.
- India Street between Palm Street and Sassafras Street:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes one-way by prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: Reclassify to 4-lane Major to mitigate improve the segment to LOS D through 2030.
- India Street between Sassafras Street and Washington Street:
 - Mitigation: Provide one additional travel lane for a total of 4 lanes one-way by prohibiting on-street parking to mitigate to No Project conditions.
 - Other Improvements: Reclassify to 4-lane Major to mitigate improve the segment to LOS D or better until 2030.
- Rosecrans Avenue between Barnett and Sports Arena:
 - <u>Mitigation:</u> Reclassify from 6-Lane Major Arterial to 6-Lane Prime Arterial to mitigate to No Project conditions.
 - Other Improvements: The proposed improvements mitigate improve the segment to LOS C or better through 2030.
- Rosecrans Avenue between Nimitz Quimby and Barnett:
 - Mitigation: Provide one additional lane for a total of 5 6 lanes to mitigate to No Project conditions.
 - Other Improvements: The proposed improvements improve the segment to LOS
 D or better through 2030. Along portions of this segment sufficient right-of-way
 may not be available to add a 6th lane.
 - o 6 lanes required to mitigate to LOS D or better through 2030.
 - Rosecrans Avenue between Nimitz and Quimby:

- Mitigation: Provide one additional lane for a total of 5 lanes to mitigate to No Project conditions
- Other Improvements: 6 lanes required to improve to LOS D or better through 2030.

Year 2020

- All locations identified in Year 2010 above, except for Rosecrans between Barnett Quimby and Sport Arena which improved to LOS D under both No Project and with Project, and Hawthorn Street between Kettner Boulevard and I-5 which experienced an insignificant change in the volume to capacity ratio, plus the following:
- North Harbor Drive between Terminal 1 Access and Winship Lane:
 - <u>Mitigation:</u> Provide 2 additional travel lanes for a total of 10 lanes to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: The proposed improvement would also <u>mitigate improve</u> the segment to LOS D through 2030.
- North Harbor Drive between Winship Lane and Rental Car Access Road:
 - Mitigation: Provide 2 additional travel lanes for a total of 10 lanes to mitigate to No Project conditions.
 - o <u>Other Improvements</u>: The proposed improvement would also <u>mitigate</u> <u>improve</u> <u>the segment</u> to LOS D through 2030.
- Kettner Boulevard between Palm Street and Laurel Street Provide one additional travel lane for a total of 4 lanes one-way. This improvement would also <u>mitigate</u> <u>improve the</u> <u>segment</u> to LOS D through 2030.
- Washington Street between Pacific Highway and Kettner Boulevard Reclassify from 4-lane collector to 4-lane major to mitigate to No Project and LOS D conditions through 2030.

Year 2025

- All locations identified in Year 2020 above, plus the following:
 - North Harbor Drive between Hawthorn Street and Grape Street:
 - <u>Mitigation:</u> Provide one additional lane for a total of 7 lanes to mitigate to No Project conditions.
 - Other Improvements: The proposed improvement would also mitigate improve the segment to LOS D through 2030.

- All locations identified in Year 2025 above, except Washington Street between Pacific
 Highway and Kettner Boulevard which improved to LOS C and D under No Project and
 Project alternatives, respectively, and Laurel Street between North Harbor Drive and Pacific
 Highway which improved to LOS D under both the No Project and with Project alternatives.
- Rosecrans Avenue between Quimby Avenue and Sports Arena Drive:
 - o <u>Mitigation: Provide one additional lane for a total of 6 lanes to mitigate to No Project conditions.</u>
 - Other Improvements: This proposed improvement improves the segment to LOS
 D or better. Along portions of this segment sufficient right-of-way may not be available to add a 6th lane.

Table D-150

Street Segment Operations with Mitigation (2015 – 2030)

Airport Land Use Plan - Mitigate to No Project Condition

| | | | Year | Year 2015 | | 2020 | Year | 2025 | Year | 2030 |
|--------------------|-------------------------|--|--------------|-----------|--|----------|--------------|----------|-------------------|-------------|
| | | | | | | | | | | |
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS | V/C | LOS |
| North Harbor Drive | T1 Access - Winship | No Project Project - No Mitigation | | | 0.89 | D E | 0.93 1.01 | E F | 0.94 1.05 | E F |
| | | Project - With Mitigation | | | 0.95 | C | 0.89 | D | 0.92 | D |
| | Winship - Rental Car Rd | No Project | | | 0.94 | Ĕ | 0.98 | Ē | 0.97 | Ē |
| | | Project - No Mitigation | | | 0.97 | E | 1.02 | F | 1.05 | F |
| | Bestel Occ Bulletoni | Project - With Mitigation | 4.57 | _ | 0.85 | C | 0.90 | D | 0.92 | D |
| | Rental Car Rd - Laurel | No Project Project - No Mitigation | 1.57 1.79 | F | 1.71 | F | 1.75 2.00 | F | 1.73 2.01 | F |
| | | Project - With Mitigation | 1.34 | F | 1.45 | F | 1.50 | F | 1.51 | F |
| | Laurel - Hawthorn | No Project | | | 1.14 | F | 1.19 | F | 1.22 | F |
| | | Project - No Mitigation | | | 1.32 | F | 1.38 | F | 1.45 | F |
| | Hauthara Crana | Project - With Mitigation No Project | | | 0.99 | E | 1.04 0.81 | F | 1.09 | F |
| | Hawthorn - Grape | Project - No Mitigation | | | | | 0.93 | C E | 0.82 0.97 | C E |
| | | Project - With Mitigation | | | | | 0.86 | D | 0.90 | D |
| Grape Street | Harbor - Pacific | No Project | 0.92 | Е | 1.04 | F | 1.09 | F | 1.13 | F |
| | | Project - No Mitigation | 1.05 0.88 | F | 1.17 0.98 | F | 1.24 | F | 1.31 1.09 | F |
| | Pacific - Kettner | Project - With Mitigation No Project | 1.26 | F | 1.37 | F | 1.41 | F | 1.46 | F |
| | 1 doing - Nettrici | Project - No Mitigation | 1.40 | F | 1.51 | F | 1.56 | F | 1.64 | F |
| | | Project - With Mitigation | 1.16 | F | 1.26 | F | 1.30 | F | 1.37 | F |
| | Kettner - I-5 | No Project | 1.52 | F | 1.48 | F | 1.53 | F | 1.66 | F |
| | + | Project - No Mitigation Project - With Mitigation | 1.64 1.37 | F | 1.52 1.26 | F | 1.67 | F | 1.82 1.52 | F |
| Hawthorn Street | Harbor - Pacific | No Project | 0.94 | E | 1.06 | F | 1.10 | F | 1.16 | F |
| Hawaiiiii Cacca | riarbor r domo | Project - No Mitigation | 1.08 | F | 1.21 | F | 1.27 | F | 1.36 | F |
| | | Project - With Mitigation | 0.90 | E | 1.01 | F | 1.06 | F | 1.13 | F |
| | Pacific - Kettner | No Project | 0.83 | D F | 0.94 | E | 0.98 | E | 1.03 1.19 | F |
| | - | Project - No Mitigation Project - With Mitigation | 0.95 | D | 1.06 0.88 | E | 1.11 0.93 | E | 0.99 | E |
| | Kettner - I-5 | No Project | 1.35 | F | 0.00 | | 0.00 | | 1.66 | F |
| | | Project - No Mitigation | 1.47 | F | | | | | 1.61 | F |
| | | Project - With Mitigation | 1.22 | F | | | | | 1.34 | F |
| Kettner Blvd | Washington - Sassafras | No Project Project - No Mitigation | 0.94 1.01 | E F | 1.10 1.18 | F F | 1.04 1.14 | F | 1.11 1.20 | F |
| | | Project - With Mitigation | 0.63 | C | 0.74 | C | 0.71 | C | 0.75 | С |
| | Sassafras - Palm | No Project | 0.90 | D | 1.21 | F | 1.17 | F | 0.99 | E |
| | | Project - No Mitigation | 0.96 | Е | 1.29 | F | 1.26 | F | 1.07 | F |
| | Palm - Laurel | Project - With Mitigation | 0.60 | С | 0.80 1.03 | D F | 0.79 0.96 | D E | 0.67 0.85 | C D |
| | Faiiii - Laurei | No Project Project - No Mitigation | | | 1.10 | F | 1.03 | F | 0.83 | E |
| | | Project - With Mitigation | | | 0.92 | Ē | 0.86 | E | 0.77 | D |
| Laurel Street | Harbor - Pacific | No Project | 0.82 | D | 0.87 | D | 0.85 | D | | |
| | | Project - No Mitigation | 0.90 | E | 0.94 | E | 0.93 | E | | |
| | Pacific - Kettner | Project - With Mitigation No Project | 0.80 | D E | 0.84 1.02 | D F | 0.83 1.06 | D F | 1.13 | F |
| | 1 doing - Retailer | Project - No Mitigation | 1.05 | F | 1.09 | F | 1.13 | F | 1.22 | F |
| | | Project - With Mitigation | 0.79 | D | 0.81 | D | 0.85 | D | 0.91 | E |
| Sassafras Street | Pacific - Kettner | No Project | 1.14 | F | 1.17 | F | 1.28 | F | 0.94 | E |
| | | Project - No Mitigation Project - With Mitigation | 1.33 0.53 | F C | 1.38 0.55 | F C | 1.51 0.60 | F C | 1.04 0.42 | F B |
| | Kettner-India | No Project | 0.55 | - | 1.46 | F | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation | | | 1.62 | F | 1.71 | F | 1.40 | F |
| Marking C. | Davies Kall | Project - With Mitigation | | | 1.08 | F | 1.14 | F | 0.93 | E |
| Washington Street | Pacific - Kettner | No Project Project - No Mitigation | | | 0.82 | D F | 0.83 | D E | \vdash | |
| | | Project - With Mitigation | | | 0.65 | C | 0.66 | C | | |
| | Kettner - San Diego | No Project | 0.99 | Е | 1.11 | F | 1.11 | F | 0.93 | Е |
| | | Project - No Mitigation | 1.02 | F | 1.15 | F | 1.15 | F | 0.98 | E |
| India Street | Leural Dales | Project - With Mitigation | 0.77 | D F | 0.86 | D F | 0.86 | D F | 0.73 | C F |
| muid Street | Laurel - Palm | No Project Project - No Mitigation | 2.38 2.60 | F | 2.20 | F | 2.25 | F | 2.64 2.89 | F |
| | 1 | Project - With Mitigation | 1.73 | F | 1.61 | F | 1.66 | F | 1.92 | F |
| | Palm - Sassafras | No Project | 2.01 | F | 1.86 | F | 1.88 | F | 2.09 | F |
| | | Project - No Mitigation | 2.16 | F | 2.00 | F | 2.04 | F | 2.25 | FL |
| | Sassafras - Washington | Project - With Mitigation No Project | 0.86 1.79 | E | 0.80 1.93 | D F | 0.82 1.93 | D F | 0.90 2.41 | E |
| | Cassanas - Washington | Project - No Mitigation | 2.22 | F | 2.29 | F | 2.28 | F | 2.82 | F |
| | | Project - With Mitigation | 0.89 | E | 0.92 | E | 0.91 | E | 1.13 | F |
| Rosecrans | Barnett - Sport Arena | No Project | 0.97 | E | | | | | 0.88 | D |
| | + | Project - No Mitigation Project - With Mitigation | 0.99 | E C | _ | | | | 0.93 0.78 | E C |
| | Nimitz Quimby - Barnett | No Project | 1.03 0.92 | F E | 0.94 | E | 0.95 | E | 0.78 0.98 0.87 | E-D |
| | | Project - No Mitigation | 1.07 0.95 | FΕ | 0.97 | E | 0.99 | E | 1.05 0.93 | FΕ |
| | | Project - With Mitigation | 0.95-0.85 | <u> </u> | 0.87 | Ð | 0.88 | Ð | 0.93 <u>0.84</u> | <u> </u> |
| | Minutes Outs 1 | | | | | | | | | |
| | Nimitz - Quimby | No Project Project - No Mitigation | 1.03 1.07 | <u>F</u> | 0.94 0.97 | <u>E</u> | 0.95 | <u>E</u> | 0.98 1.05 | <u>E</u> |

Tables D-151

Street Segment Operations with Mitigation (2015 – 2030) Airport Land Use Plan - Mitigate Improve to LOS D Condition

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | Year | 2015 | Year | 2020 | Year | 2025 | Year | 2030 |
|--------------------|-------------------------------------|--|--------------|--------|--------------|--------------|--------------|--------------|--------------|--------|
| | | | | l | | | | | | |
| Roadway | Segment | | V/C | LOS | V/C | LOS | V/C | LOS | V/C | LO |
| North Harbor Drive | T1 Access - Winship | No Project | | | 0.89 | D | 0.93 | E | 0.94 | E |
| | | Project - No Mitigation Improvement | | | 0.95 | E | 1.01 | F | 1.05 | F |
| | Missella Bestel Co. Dd | Project - With Mitigation Improvement | | | 0.84 | С | 0.89 | D | 0.92 | D F |
| | Winship - Rental Car Rd | No Project | | | 0.94 | E F | 0.98 1.02 | E | 0.97 1.05 | F |
| | | Project - No Mitigation Improvement Project - With Mitigation Improvement | | | 0.85 | C | 0.90 | D | 0.92 | D |
| | Rental Car Rd - Laurel | No Project | 1.57 | F | 1.71 | F | 1.75 | F | 1.73 | F |
| | | Project - No Mitigation Improvement | 1.79 | F | 1.93 | F | 2.00 | F | 2.01 | F |
| | İ | Project - With Mitigation Improvement | 1.34 | F | 1.45 | F | 1.50 | F | 1.51 | F |
| | Laurel - Hawthorn | No Project | 1.05 | F | 1.14 | F | 1.19 | F | 1.22 | F |
| | | Project - No Mitigation Improvement | 1.22 | F | 1.32 | F | 1.38 | F | 1.45 | F |
| | | Project - With Mitigation Improvement | 0.91 | D | 0.99 | E | 1.04 | F | 1.09 | F |
| | Hawthorn - Grape | No Project | | | | | 0.81 | C F | 0.82 | C |
| | | Project - No Mitigation Improvement Project - With Mitigation Improvement | | | | | 0.93 | D | 0.97 | |
| Grape Street | Harbor - Pacific | No Project | 0.92 | F | 1.04 | F | 1.09 | F | 1.13 | F |
| orape orieer | Harbor - Facilic | Project - No Mitigation Improvement | 1.05 | F | 1.17 | F | 1.24 | F | 1.31 | Ė |
| | | Project - With Mitigation Improvement | 0.66 | C | 0.73 | C | 0.77 | D | 0.82 | |
| | Pacific - Kettner | No Project | 1.26 | F | 1.37 | F | 1.41 | F | 1.46 | F |
| | Project - No Mitigation Improvement | 1.40 | F | 1.51 | F | 1.56 | F | 1.64 | F | |
| | | Project - With Mitigation Improvement | 0.87 | D | 0.84 | D | 0.87 | D | 0.68 | C |
| | Kettner - I-5 | No Project | 1.52 | F | 1.48 | F | 1.53 | F | 1.66 | F |
| | | Project - No Mitigation Improvement | 1.64 | F | 1.52 | F | 1.67 | F | 1.82 | F |
| I 4h Ot 4 | Harter Deelfe | Project - With Mitigation Improvement | 0.82 | D | 0.76 | C | 0.83 | D | 0.76 | (|
| lawthorn Street | Harbor - Pacific | No Project Project - No Mitigation Improvement | 0.94 | E | 1.06 | F | 1.10 | F | 1.16 | F |
| | + | Project - No Mitigation Improvement Project - With Mitigation Improvement | 1.08 0.68 | C | 1.21 0.76 | D | 1.27 0.79 | D | 1.36 0.85 | - [|
| | Pacific - Kettner | No Project | 0.83 | D | 0.94 | F | 0.98 | Ē | 1.03 | - |
| | T domo Trottro | Project - No Mitigation Improvement | 0.95 | Ē | 1.06 | F | 1.11 | F | 1.19 | |
| | İ | Project - With Mitigation Improvement | 0.59 | С | 0.66 | С | 0.69 | С | 0.75 | (|
| | Kettner - I-5 | No Project | 1.35 | F | | | | | | |
| | | Project - No Mitigation Improvement | 1.47 | F | | | | | | |
| | | Project - With Mitigation Improvement | 0.82 | D | | | | | | |
| Kettner Blvd | Washington - Sassafras | No Project | 0.94 | E | 1.10 | F | 1.04 | F | 1.11 | F |
| | | Project - No Mitigation Improvement Project - With Mitigation Improvement | 1.01 | F C | 1.18 0.74 | F C | 1.14 | F C | 1.20 | F |
| Sassafras - Palm | No Project | 0.63 | D | 1.21 | F | 0.71 1.17 | F | 0.75 0.99 | E | |
| | Gassairas - 1 airii | Project - No Mitigation Improvement | 0.96 | Ē | 1.29 | F | 1.26 | F | 1.07 | Ē |
| | | Project - With Mitigation Improvement | 0.60 | C | 0.80 | D | 0.79 | D | 0.67 | (|
| | Palm - Laurel | No Project | | | 1.03 | F | 0.96 | Е | 0.85 | |
| | | Project - No Mitigation Improvement | | | 1.10 | F | 1.03 | F | 0.92 | Е |
| | | Project - With Mitigation Improvement | | | 0.69 | С | 0.65 | С | 0.58 | C |
| aurel Street | Harbor - Pacific | No Project | 0.82 | D | 0.87 | D | 0.85 | D | | |
| | | Project - No Mitigation Improvement Project - With Mitigation Improvement | 0.90 | E | 0.94 | E | 0.93 | E | | |
| | Deside Methods | No Project | 0.80 | D F | 0.84 1.02 | D F | 0.83 1.06 | D F | 4.40 | F |
| | Pacific - Kettner | Project - No Mitigation Improvement | 1.05 | F | 1.02 | F | 1.13 | F | 1.13 1.22 | - |
| | | Project - With Mitigation Improvement | 0.79 | D | 0.81 | D | 0.85 | D | 0.81 | |
| Sassafras Street | Pacific - Kettner | No Project | 1.14 | F | 1.17 | F | 1.28 | F | 0.94 | F |
| | | Project - No Mitigation Improvement | 1.33 | F | 1.38 | F | 1.51 | F | 1.15 | F |
| | | Project - With Mitigation Improvement | 0.53 | С | 0.55 | С | 0.60 | С | 0.46 | E |
| | Kettner-India | No Project | 1.46 | F | 1.46 | F | 1.53 | F | 1.32 | F |
| | | Project - No Mitigation Improvement | 1.60 | F | 1.62 | F | 1.71 | F | 1.48 | F |
| | | Project - With Mitigation Improvement | 0.43 | В | 0.43 | В | 0.45 | В | 0.40 | E |
| | Kettner - San Diego | No Project | 0.99 | E | 1.11 | F | 1.11 | F | 0.93 | E |
| | _ | Project - No Mitigation Improvement | 1.02 | F D | 1.15 0.86 | F | 1.15 | F | 0.98 | E |
| ndia Street | Laurel - Palm | Project - With Mitigation Improvement No Project | 0.77 2.38 | F | 2.20 | D F | 0.86 2.25 | D F | 0.73 2.64 | - |
| idia Olloct | Laurer - r and | Project - No Mitigation Improvement | 2.60 | F | 2.42 | F | 2.49 | F | 2.89 | |
| | | Project - With Mitigation Improvement | 0.69 | D | 0.65 | С | 0.66 | C | 0.77 | |
| | Palm - Sassafras | No Project | 2.01 | F | 1.86 | F | 1.88 | F | 2.09 | F |
| | | Project - No Mitigation Improvement | 2.16 | F | 2.00 | F | 2.04 | F | 2.25 | F |
| | | Project - With Mitigation Improvement | 0.65 | С | 0.60 | С | 0.61 | С | 0.67 | (|
| | Sassafras - Washington | No Project | 1.79 | F | 1.93 | F | 1.93 | F | 2.41 | F |
| | | Project - No Mitigation Improvement | 2.22 | F | 2.29 | F | 2.28 | F | 2.82 | F |
| | Daniella Carattania | Project - With Mitigation Improvement | 0.66 | C | 0.69 | С | 0.69 | С | 0.85 | |
| Rosecrans | Barnett - Sport Arena | No Project | 0.97 | E | | | | - | 0.88 | |
| | | Project - No Mitigation Improvement Project - With Mitigation Improvement | 0.99 | E C | | _ | | _ | 0.93 | |
| | Nimitz Quimby - Barnett | No Project | 1.03-0.92 | F.E | 0.94 | E | 0.95 | E | 0.78 | E |
| | | Project - No Mitigation Improvement | 1.07.0.95 | FE | 0.97 | - | 0.99 | - | 1.05 0.93 | E |
| | | Project - With Mitigation Improvement | 0.85 | D | 0.78 | - E | 0.79 | - E | 0.84 | |
| | Nimitz - Quimby | No Project | 1.03 | F | 0.94 | E | 0.95 | E | 0.98 | E |
| | | Project - No Mitigation Improvement | 1.07 | Ē | 0.97 | E | 0.99 | E | 1.05 | F |
| | | Project - With Mitigation Improvement | 0.85 | D | 0.78 | С | 0.79 | С | 0.84 | Г |

D.10.2 Intersections

Any potentially significant impacts to intersections in the study area resulting from implementation of each alternative compared to the No Project Alternative are identified below along with potential mitigation measures. Subsequent to implementation of any required mitigation a peak hour roadway analysis would be conducted as part of a mitigation feasibility study to determine specific mitigation to be implemented. Intersections in the study area are within the jurisdiction of the City of San Diego.

D.10.2.1 Proposed Airport Implementation Plan (With Parking Structure)

The following mitigation is identified for intersections with potentially significant traffic impacts. Where mitigation to No Project conditions and <u>improvements to</u> acceptable LOS D conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures <u>and improvements</u> are identified. Operations after implementation of proposed mitigation to No Project conditions are shown on <u>Table D-152</u> and <u>improvements</u> to LOS D conditions are shown on <u>Table D-153</u> for informational purposes only.

Years 2010 & 2015

No significant traffic impacts occur in 2010 and 2015 and therefore no mitigation is required.

Year 2020

- Sassafras Street and Kettner Boulevard (PM)
 - Mitigation: Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add an exclusive southbound right turn lane to mitigate improve to LOS D or better through 2030

Year 2025

- Hawthorn Street and North Harbor Drive (AM):
 - Mitigation: Restripe westbound lane to shared left and right to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the road intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add an exclusive southbound right turn lane to mitigate improve the road intersection to LOS D or better through 2030

- Hawthorn Street and North Harbor Drive (AM & PM):
 - <u>Mitigation:</u> Restripe westbound lane to a shared left and right to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Kettner Boulevard (PM):

- <u>Mitigation:</u> Add an exclusive southbound left turn lane to mitigate to No Project conditions
- Other Improvements: Add a second southbound left turn lane to mitigate improve the intersection to LOS D or better conditions
- Sassafras Street and Kettner Boulevard (PM):
 - Mitigation: Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - o <u>Other Improvements:</u> Add an exclusive southbound right turn lane to <u>mitigate</u> improve the intersection to LOS D or better through 2030.
- Grape Street and I-5 Southbound On-Ramp (PM):
 - Mitigation: Signal timing optimization to mitigate to No Project conditions
 - Other Improvements: Add an exclusive eastbound right turn lane (would result in 3-lane on-ramp) to improve the intersection to LOS D or better through 2030.

Table D-152
Intersection Operations with Mitigation Measures
Implementation Plan (with Parking Structure)

Mitigate to No Project Conditions

| | <u> </u> | | 202 | 20 | 20: | 25 | 20: | 30 |
|------------------------|--------------------|----|-------|-----|-------|-----|-------|-----|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | 131.7 | F | 173.0 | F |
| | | PM | | | 40.7 | D | 55.9 | Ē |
| Hawthorn Street/ | Project | AM | | | 135.1 | F | 182.2 | F |
| North Harbor Drive | Without Mitigation | PM | | | 42.2 | D | 62.3 | E |
| | Project | AM | | | 31.9 | С | 50.6 | D |
| | With Mitigation | PM | | | 42.2 | D | 36.3 | D |
| | No Project | AM | | | | | 14.8 | В |
| | | PM | | | | | 77.1 | E |
| Grape Street/ | Project | AM | | | | | 14.7 | В |
| Kettner Boulevard | Without Mitigation | PM | | | | | 80.0 | E |
| | Project | AM | | | | | 14.7 | В |
| | With Mitigation | PM | | | | | 68.7 | E |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.3 | С | 13.2 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation | PM | 136.8 | F | 98.2 | F | 80.4 | F |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| | With Mitigation | PM | 52.9 | D | 29.5 | С | 19.0 | В |
| | No Project | AM | | | | | 15.1 | В |
| | | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | 90.1 | F |
| | Project | AM | | | | | 15.3 | В |
| | With Mitigation | PM | | | | | 84.2 | F |

Table D-153

Intersection Operations with Mitigation Measures Proposed Airport Implementation Plan (with Parking Structure)

Mitigate Improve to LOS D

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | 20: | 20 | 20 | 25 | 203 | 30 |
|------------------------|--------------------|----|-------|-----|-------|-----|-------|-----|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | 131.7 | F | 173.0 | F |
| | | PM | | | 40.7 | D | 55.9 | E |
| Hawthorn Street/ | Project | AM | | | 135.1 | F | 182.2 | F |
| North Harbor Drive | Without Mitigation | | | | 42.2 | D | 62.3 | Е |
| | <u>Improvement</u> | PM | | | 42.2 | U | 62.3 | |
| | Project | AM | | | 31.9 | С | 50.6 | D |
| | With Mitigation | | | | 42.2 | D | 36.3 | D |
| | <u>Improvement</u> | PM | | | 42.2 | D | | |
| | No Project | AM | | | | | 14.8 | В |
| | | PM | | | | | 77.1 | E |
| Grape Street/ | Project | AM | | | | | 14.7 | В |
| Kettner Boulevard | Without Mitigation | | | | | | 80.0 | Е |
| | <u>Improvement</u> | PM | | | | | | |
| | Project | AM | | | | | 14.7 | В |
| | With Mitigation | | | | | | 43.0 | D |
| | <u>Improvement</u> | PM | | | | | | |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.3 | С | 13.2 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation | | 136.8 | F | 98.2 | F | 80.4 | F |
| | <u>Improvement</u> | PM | | | | | | |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| | With Mitigation | | 52.9 | D | 29.5 | С | 19.0 | В |
| | <u>Improvement</u> | PM | 02.0 | | 20.0 | | | |
| | No Project | AM | | | | | 15.1 | В |
| | | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | | | | | | 90.1 | F |
| | <u>Improvement</u> | PM | | | | | | |
| | Project | AM | | | | | 15.3 | В |
| | With Mitigation | | | | | | 45.9 | D |
| | <u>Improvement</u> | PM | | | | | 10.0 | |

Source: HNTB, 2007.

D.10.2.2 Proposed Airport Implementation Plan (Without Parking Structure)

The following mitigation is identified for intersections with potentially significant traffic impacts. Where mitigation to No Project conditions and <u>improvements to</u> acceptable LOS D conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures <u>and improvements</u> are identified. Operations after implementation of proposed mitigation to No Project conditions is shown in <u>Table D-154</u> and <u>improvements</u> to LOS D conditions is shown in <u>Table D-155</u>.

Years 2010 & 2015

No significant traffic impacts occur in 2010 and 2015 and therefore no mitigation is required

Year 2020

- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add exclusive southbound right SBR lane (to mitigate improve the intersection to LOS D up to 2030)

Year 2025

- Hawthorn Street and North Harbor Drive (AM):
 - Mitigation: Restripe westbound left turn lane to shared left and right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - Mitigation: Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add an exclusive southbound right turn lane to mitigate improve the intersection to LOS D or better through 2030

- Hawthorn Street and North Harbor Drive (AM):
 - <u>Mitigation:</u> Restripe westbound left turn lane to shared left and right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - Mitigation: Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add an exclusive southbound right turn lane to mitigate improve the intersection to LOS D or better through 2030
- Grape Street and I-5 Southbound On-Ramp (PM):
 - Mitigation: Signal timing optimization to mitigate to No Project conditions
 - Other Improvements: Add an exclusive eastbound right turn lane and a northbound through lane, resulting in 3-lane on-ramp, to mitigate improve the intersection to LOS D.

Table D-154
Intersection Operations with Mitigation Measures
<u>Airport Implementation Plan (without Parking Structure)</u>

Mitigate to No Project Conditions

| | | | 20 | 20 | 20: | 25 | 20 | 30 |
|------------------------|--------------------|----|-------|-----|-------|-----|-------|-----|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | 131.7 | F | 173.0 | F |
| | | PM | | | 40.7 | D | 55.9 | E |
| Hawthorn Street/ | Project | AM | | | 133.4 | F | 179.9 | F |
| North Harbor Drive | Without Mitigation | PM | | | 41.3 | D | 60.5 | E |
| | Project | AM | | | 31.5 | С | 49.3 | D |
| | With Mitigation | PM | | | 41.3 | D | 35.7 | D |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.3 | С | 13.2 | В | 11.0 | В |
| Kettner Boulevard | Without Mitigation | PM | 136.7 | F | 98.2 | F | 80.5 | F |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| | With Mitigation | PM | 52.9 | D | 29.5 | С | 19.1 | В |
| | No Project | AM | | | | | 15.1 | В |
| | | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | 124.0 | F |
| | Project | AM | | | | | 15.3 | В |
| | With Mitigation | PM | | | | | 124.0 | F |

Source: HNTB, 2007.

Table D-155

Intersection Operations with Mitigation Measures Airport Implementation Plan (without Parking Structure)

Mitigate Improve to LOS D

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | 20 | 20 | 20 |)E | 2030 | |
|--------------------|--|--|--|---|--|-------|---|
| 0 | | | _ | | | | |
| | | Delay | LUS | | | | LOS |
| No Project | | | | - | - | | F |
| | PM | | | 40.7 | D | 55.9 | <u> </u> |
| Project | AM | | | 133.4 | F | 179.9 | F |
| Without Mitigation | D14 | | | 44.0 | | 00.5 | _ |
| Improvement | PIVI | | | 41.3 | D | 60.5 | Е |
| | AM | | | 31.5 | С | 49.3 | D |
| | | | | | | | |
| <u>Improvement</u> | PM | | | 41.3 | D | 35.7 | D |
| No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| , | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Project | AM | 21.3 | С | 13.2 | В | 11.0 | В |
| Without Mitigation | D14 | 400 7 | _ | 00.0 | _ | 00.5 | _ |
| <u>Improvement</u> | РМ | 136.7 | F | 98.2 | F | 80.5 | F |
| Project | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| With Mitigation | DM | 50.0 | | 20.5 | 0 | 10.1 | В |
| <u>Improvement</u> | PIVI | 52.9 | U | 29.5 | C | 19.1 | В |
| No Project | AM | | | | | 15.1 | В |
| | PM | | | | | 87.1 | F |
| Project | AM | | | | | 15.3 | В |
| Without Mitigation | | | | | | | _ |
| Improvement | PM | | | | | 124.0 | F |
| Project | AM | | | | | 15.3 | В |
| | | | | | | | _ |
| | PM | | | | | 39.1 | D |
| | Without Mitigation- Improvement Project With Mitigation- Improvement No Project Project Without Mitigation- Improvement Project With Mitigation- Improvement No Project Project With Mitigation- Improvement No Project Project Without Mitigation- Improvement | No Project AM PM Project AM Without Mitigation- Improvement PM No Project AM With Mitigation- Improvement PM No Project AM Without Mitigation- Improvement PM Project AM Without Mitigation- Improvement PM Project AM With Mitigation- Improvement AM PM Project AM With Mitigation- Improvement PM Project AM PM Project AM PM Project AM Without Mitigation- Improvement PM Project AM Without Mitigation- Improvement PM Project AM Without Mitigation- Improvement PM | Scenario No Project AM PM Project Without Mitigation- Improvement Project With Mitigation- Improvement Project AM PM PM Poject AM PM 19.4 PM 121.5 Project AM 21.3 Without Mitigation- Improvement PM Project AM 8.1 Project With Mitigation- Improvement AM PM Project AM PM Project AM PM Project AM PM Project AM PM Project AM PM Project AM Without Mitigation- Improvement PM Project AM PM Project Without Mitigation- Improvement PM Project AM Without Mitigation- Improvement PM Project AM PM Project AM Without Mitigation- Improvement PM PM Project AM PM PM Project AM Without Mitigation- Improvement PM PM Project AM PM PM Project AM With Mitigation- PM PM Project AM With Mitigation- PM PM Project AM With Mitigation- PM PM PR PR PR PM PM PM PM PM | No Project AM PM Project AM PM Project AM Without Mitigation- Improvement PM No Project AM No Project AM PM PM PM 121.5 F PM 121.5 F PM 121.5 F PM 121.5 F PM 136.7 F PM PM PM 136.7 F Project AM PM PM Project AM No Project AM PM PM Project AM PM PM Project AM PM Project AM PM Project AM PM Project AM PM Project AM PM Project AM Without Mitigation- Improvement PM Project AM Without Mitigation- Improvement PM PM Project AM Without Mitigation- Improvement PM PM Project AM PM PM PM Project AM PM PM Project AM PM PM PM Project AM PM PM PM Project AM PM PM PM PM PM PM PM Project AM PM PM PM PM PM PM PM PM PM PM PM PM PM | Scenario Delay LOS Delay No Project AM PM 131.7 40.7 Project AM PM 133.4 Without Mitigation Improvement PM 41.3 Project AM PM 31.5 With Mitigation Improvement PM 121.5 F 82.1 Project AM PM 21.3 C 13.2 Without Mitigation Improvement PM 136.7 F 98.2 Project AM 8.1 A 7.9 With Mitigation Improvement PM 52.9 D 29.5 No Project AM PM PM PM PM Project Without Mitigation Improvement PM PM PM Project With Mitigation Improvement PM PM PM | Delay | Scenario Delay LOS Delay LOS Delay No Project AM 131.7 F 173.0 Project AM 40.7 D 55.9 Project AM 133.4 F 179.9 Without Mitigation-Improvement PM 41.3 D 60.5 Poject AM 19.4 B 11.9 B 9.6 With Mitigation-Improvement PM 121.5 F 82.1 F 62.5 Project AM 21.3 C 13.2 B 11.0 Without Mitigation-Improvement PM 136.7 F 98.2 F 80.5 Project AM 8.1 A 7.9 A 6.7 With Mitigation-Improvement PM 52.9 D 29.5 C 19.1 Project AM PM 15.3 15.3 124.0 With Mitigation-Improvement PM 15.3 124.0 </td |

D.10.2.3 Airport Implementation Plan Alternative (With Parking Structure)

The following mitigation is identified for intersections with potentially significant traffic impacts. Where mitigation to No Project conditions and <u>improvements to acceptable LOS D</u> conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures <u>and improvements</u> are identified. Operations after implementation of proposed mitigation to No Project conditions are shown on <u>Table D-156</u> and <u>improvements</u> to LOS D conditions are shown on <u>Table D-157</u>.

Years 2010 & 2015

No significant traffic impacts occur in 2010 and 2015 and therefore no mitigation is required

Year 2020

- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add exclusive southbound right SBR lane (to mitigate improve to LOS D up to 2030)

Year 2025

- Hawthorn Street and North Harbor Drive (AM):
 - <u>Mitigation:</u> Restripe westbound left turn lane to shared left and right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add an exclusive southbound right turn lane to mitigate improve the intersection to LOS D or better through 2030

- Hawthorn Street and North Harbor Drive (AM & PM):
 - Mitigation: Restripe the westbound left turn lane to a shared left and right to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D.
- Grape Street and Pacific Highway (PM):
 - <u>Mitigation:</u> Add an exclusive northbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to and LOS C.
- Grape Street and Kettner Boulevard (PM):

- <u>Mitigation:</u> Add an exclusive southbound left turn lane to mitigate to No Project conditions.
- Other Improvements: Add a second southbound left turn lane to mitigate improve the intersection to LOS D.
- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions.
 - Other Improvements: Add exclusive southbound right turn lane to mitigate improve the intersection to LOS B.
- Grape Street and I-5 Southbound On-Ramp (PM):
 - Mitigation: Signal timing optimization would mitigate to No Project conditions.
 - Other Improvements: Add an exclusive eastbound right turn lane, resulting in 3lane on-ramp, to mitigate improve the intersection to LOS D.

Table D-156

Intersection Operations with Mitigation Measures Implementation Plan Alternative (with Parking Structure)

Mitigate to No Project Conditions

| | | | 202 | 20 | 202 | 25 | 203 | 30 |
|------------------------|--------------------|----|-------|-----|-------|-----|-------|----------|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | 131.7 | F | 173.0 | F |
| | | PM | | | 40.7 | D | 55.9 | Ε |
| Hawthorn Street/ | Project | AM | | | 133.7 | F | 180.3 | F |
| North Harbor Drive | Without Mitigation | PM | | | 41.6 | D | 61.1 | E |
| | Project | AM | | | 31.6 | С | 49.7 | D |
| | With Mitigation | PM | | | 41.6 | D | 35.9 | D |
| | No Project | AM | | | | | 20.2 | С |
| | | PM | | | | | 56.5 | E |
| Grape Street/ | Project | AM | | | | | 20.3 | С |
| Pacific Highway | Without Mitigation | PM | | | | | 58.6 | E |
| | Project | AM | | | | | 20.3 | С |
| | With Mitigation | PM | | | | | 34.8 | С |
| | No Project | AM | | | | | 14.8 | В |
| | | PM | | | | | 77.1 | E |
| Grape Street/ | Project | AM | | | | | 14.7 | В |
| Kettner Boulevard | Without Mitigation | PM | | | | | 80.0 | <u> </u> |
| | Project | AM | | | | | 14.7 | В |
| | With Mitigation | PM | | | | | 69.1 | E |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.3 | С | 13.2 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation | PM | 136.3 | F | 98.0 | F | 80.4 | F |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| | With Mitigation | PM | 52.9 | D | 29.4 | С | 19.1 | В |
| | No Project | AM | | | | | 15.1 | В |
| | | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | - | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | 89.6 | F |
| | Project | AM | | | | | 15.3 | В |
| | With Mitigation | PM | | | | | 83.9 | F |

Table D-157

Intersection Operations with Mitigation Measures Implementation Plan Alternative (with Parking Structure)

Mitigate Improve to LOS D

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | 202 | 20 | 20 | 25 | 20: | 30 |
|------------------------------------|---------------------------------------|----|-------|-----|-------|-----|-------|----------|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | 131.7 | F | 173.0 | F |
| | | PM | | | 40.7 | D | 55.9 | E |
| Hawthorn Street/ | Project | AM | | | 133.7 | F | 180.3 | F |
| North Harbor Drive | Without Mitigation | PM | | | 41.6 | D | 61.1 | Е |
| | <u>Improvement</u> | | | | | | • | |
| | Project | AM | | | 31.6 | С | 49.7 | D |
| | With Mitigation Improvement | PM | | | 41.6 | D | 35.9 | D |
| | No Project | AM | | | | | 20.2 | С |
| | No i roject | PM | | | | | 56.5 | E |
| Grape Street/ | Project | AM | | | | | 20.3 | |
| Pacific Highway | Without Mitigation | | | | | | | |
| 3 , | <u>Improvement</u> | PM | | | | | 58.6 | E |
| | Project | AM | | | | | 20.3 | С |
| | With Mitigation | PM | | | | | 34.8 | С |
| | <u>Improvement</u> | | | | | | | |
| | No Project | AM | | | | | 14.8 | В |
| 0 0 1 | 5 | PM | | | | | 77.1 | <u>E</u> |
| Grape Street/ Kettner Boulevard | Project Without Mitigation | AM | | | | | 14.7 | В |
| Kettrier Boulevard | Improvement | PM | | | | | 80.0 | Ε |
| | Project | AM | | | | | 13.7 | В |
| | With Mitigation | | | | | | | _ |
| | Improvement | PM | | | | | 42.9 | D |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | - | PM | 121.5 | F | 82.1 | F | 62.5 | <u>E</u> |
| Sassafras Street/ | Project | AM | 21.3 | С | 13.2 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation | PM | 136.3 | F | 98.0 | F | 80.4 | F |
| | <u>Improvement</u> | AM | 8.1 | Α | 7.9 | Α | 6.7 | Α |
| | Project With Mitigation | AW | 8.1 | А | 7.9 | А | 0.7 | А |
| | Improvement | PM | 52.9 | D | 29.4 | С | 19.1 | В |
| | No Project | AM | | | | | 15.1 | В |
| | 110110000 | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | 89.6 | F |
| | <u>Improvement</u> | | | | | | | |
| | Project | AM | | | | | 15.3 | В |
| | With Mitigation | PM | | | | | 45.9 | D |
| | <u>Improvement</u> | | | | | | . 5.0 | = |

Source: HNTB, 2007.

D.10.2.4 Airport Implementation Plan Alternative (Without Parking Structure)

The following mitigation is identified for intersections with potentially significant traffic impacts. Where mitigation to No Project conditions and <u>improvements to</u> acceptable LOS D conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures <u>and improvements</u> are identified. Operations after implementation of proposed mitigation to No Project conditions are shown in <u>Table D-158</u> and <u>improvements</u> to LOS D conditions are shown in <u>Table D-159</u>.

Years 2010 & 2015

No significant traffic impacts occur in 2010 and 2015 and therefore no mitigation is required

Year 2020

- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - o Other Improvements: Add exclusive southbound right SBR lane (to mitigate improve intersection to LOS D up to 2030)

Year 2025

- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions
 - Other Improvements: Add exclusive southbound right SBR lane (to mitigate improve to LOS D up to 2030)

Year 2030

- Hawthorn Street and North Harbor Drive (AM & PM):
 - <u>Mitigation:</u> Restripe the westbound left turn lane to a shared left and right to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D.
- Grape Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add an exclusive southbound left turn lane to mitigate to No Project conditions.
 - Other Improvements: Convert one southbound through lane to a shared through and left turn lane to mitigate improve to LOS D.
- Grape Street and I-5 Southbound On-Ramp (PM):
 - Mitigation: Signal timing optimization to mitigate to No Project conditions.
 - Other Improvements: Add an exclusive eastbound right turn lane and a northbound through lane, resulting in 3-lane on-ramp, to mitigate improve the intersection to LOS D.
- Sassafras Street and Kettner Boulevard (PM):
 - Mitigation: Change cycle length from 70 sec to 90 sec to mitigate to No Project conditions.
 - Other Improvements: Add exclusive southbound right turn lane to mitigate improve the intersection to LOS B.

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Table D-158

Intersection Operations with Mitigation Measures Implementation Plan Alternative (without Parking Structure)

Mitigate to No Project Conditions

| | | | 20 | 20 | 20: | 25 | 20: | 30 |
|------------------------|--------------------|----|------------------|-----|------------------|-----|-------|-----|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | | | 173.0 | F |
| | | PM | | | | | 55.9 | E |
| Hawthorn Street/ | Project | AM | | | | | 179.2 | F |
| North Harbor Drive | Without Mitigation | PM | | | | | 60.0 | E |
| | Project | AM | 110.5 | F | 132.4 | F | 49.1 | D |
| | With Mitigation | PM | 33.0 | C | 4 1.0 | Đ | 35.5 | D |
| | No Project | AM | | | | | 14.8 | В |
| | · | PM | | | | | 77.1 | E |
| Grape Street/ | Project | AM | | | | | 14.7 | В |
| Kettner Boulevard | Without Mitigation | PM | | | | | 79.6 | E |
| | Project | AM | 14.8 | ₿ | 14.2 | ₿ | 14.7 | В |
| | With Mitigation | PM | 55.3 | E | 54.9 | Đ | 69.0 | E |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | · | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.7 | С | 13.3 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation | PM | 137.4 | F | 98.8 | F | 80.9 | F |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.8 | Α |
| | With Mitigation | PM | 52.8 | D | 29.6 | С | 19.0 | В |
| | No Project | AM | | | | | 15.1 | В |
| | , | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | 89.1 | F |
| · | Project | AM | 11.5 | В | 13.7 | В | 15.3 | В |
| | With Mitigation | PM | 32.5 | C | 38.7 | Đ | 89.1 | F |

Table D-159

Intersection Operations with Mitigation Measures Implementation Plan Alternative (without Parking Structure)

Mitigate Improve to LOS D

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | 20 | 20 | 20 | 25 | 20 | 30 |
|------------------------|-----------------------------------|----|------------------|-----|------------------|-----|-------|-----|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | | | | | 173.0 | F |
| | | PM | | | | | 55.9 | E |
| Hawthorn Street/ | Project | AM | | | | | 179.2 | F |
| North Harbor Drive | Without Mitigation Improvement | PM | | | | | 60.0 | E |
| | Project | AM | 110.5 | F | 132.4 | F | 49.1 | D |
| | With Mitigation Improvement | PM | 33.0 | C | 4 1.0 | Đ | 35.5 | D |
| | No Project | AM | | | | | 14.8 | В |
| | | PM | | | | | 77.1 | E |
| Grape Street/ | Project | AM | | | | | 14.7 | В |
| Kettner Boulevard | Without Mitigation Improvement | PM | | | | | 79.6 | E |
| | Project | AM | 14.8 | ₿ | 14.2 | ₿ | 13.9 | В |
| | With Mitigation Improvement | PM | 55.3 | E | 54.9 | Đ | 53.4 | D |
| | No Project | AM | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | 21.7 | С | 13.3 | В | 11.1 | В |
| Kettner Boulevard | Without Mitigation Improvement | PM | 137.4 | F | 98.8 | F | 80.9 | F |
| | Project | AM | 8.1 | Α | 7.9 | Α | 6.8 | Α |
| | With Mitigation Improvement | PM | 52.8 | D | 29.6 | С | 19.0 | В |
| | No Project | AM | | | | | 15.1 | В |
| | | PM | | | | | 87.1 | F |
| Grape Street/ | Project | AM | | | | | 15.3 | В |
| I-5 Southbound On-Ramp | Without Mitigation Improvement | PM | | | | | 89.1 | F |
| | Project | AM | 11.5 | ₿ | 13.7 | ₿ | 15.3 | В |
| | With Mitigation Improvement | PM | 32.5 | C | 38.7 | Đ | 36.0 | D |

Source: HNTB, 2007.

D.10.2.5 Proposed Airport Land Use Plan

The following mitigation is identified for intersections with potentially significant traffic impacts. Where mitigation to No Project conditions and <u>improvements to</u> acceptable LOS D conditions (defined by the City of San Diego to be LOS D) differs, separate mitigation measures <u>and improvements</u> are identified. Operations after implementation of proposed mitigation to No Project conditions are shown on <u>Table D-160</u> and <u>improvements</u> to LOS D conditions are shown on <u>Table D-161</u>.

- Hawthorn Street and North Harbor Drive (AM & PM):
 - <u>Mitigation:</u> Restripe the westbound left turn lane to a shared left and right to mitigate to No Project conditions.

- o <u>Other Improvements:</u> This improvement would also <u>mitigate</u> <u>improve</u> the intersection to LOS C in the AM and D in the PM peak hours.
- Laurel Street and Pacific Highway (PM):
 - o <u>Mitigation:</u> Provide southbound right turn overlap to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D.
- Washington Street and Pacific Highway NB Ramps (AM & PM):
 - Mitigation: Optimize the signal timing by changing the cycle length to 80 sec. to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D.

- Hawthorn Street and North Harbor Drive (AM & PM):
 - <u>Mitigation:</u> Restripe westbound left turn lane to a shared left and right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Laurel Street and Pacific Highway (PM):
 - <u>Mitigation:</u> Provide southbound right turn overlap to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Pacific Highway (PM):
 - <u>Mitigation:</u> Add exclusive northbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add an exclusive southbound left turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add an exclusive southbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: In addition to an exclusive southbound right turn lane, add an exclusive eastbound right turn lane to mitigate improve to LOS D conditions.
- Washington Street and Pacific Highway NB Ramps (AM & PM):
 - <u>Mitigation:</u> Optimize signal timing by increasing the cycle length to 90 seconds to mitigate to No Project conditions.

Other Improvements: This would also mitigate improve the intersection to LOS D conditions.

Year 2025

- Hawthorn Street and North Harbor Drive (AM & PM):
 - Mitigation: Restripe westbound left turn lane to a shared left and right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Laurel Street and Pacific Highway (PM):
 - <u>Mitigation:</u> Provide southbound right turn overlap to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Pacific Highway (PM):
 - Mitigation: Add exclusive northbound right turn lane to mitigate to No Project conditions. NBR.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add an exclusive southbound left turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Sassafras Street and Kettner Boulevard (PM):
 - Mitigation: Add an exclusive southbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.
- Washington Street and Pacific Highway NB Ramps (AM & PM):
 - <u>Mitigation:</u> Optimize signal timing by increasing the cycle length to 100 seconds to mitigate to No Project conditions.
 - Other Improvements: This would also mitigate improve the intersection to LOS D conditions.

- Hawthorn Street and North Harbor Drive (AM & PM):
 - Mitigation: Restripe westbound left turn lane to a shared left and right to mitigate to No Project conditions.
 - Mitigation: Add an exclusive westbound left turn lane to mitigate to LOS E.
 - o <u>Mitigation:</u> Providing additional lanes on the westbound approach may require widening of North Harbor Drive.
- Laurel Street and Pacific Highway (PM):

- <u>Mitigation:</u> Provide southbound right turn overlap to mitigate to No Project conditions.
- Other Improvements: Optimize signal timing (cycle length = 120 or less) to mitigate to LOS D.
- Grape Street and Pacific Highway (PM):
 - <u>Mitigation:</u> Add an exclusive northbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D conditions.
- Grape Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add exclusive southbound left turn lane to mitigate to No Project conditions.
 - Other Improvements: Add a fourth eastbound through lane to mitigate improve the intersection to LOS B.
- Sassafras Street and Kettner Boulevard (PM):
 - <u>Mitigation:</u> Add an exclusive southbound right turn lane to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS C conditions.
- Grape Street and I-5 Southbound On-Ramp (PM):
 - o Mitigation: Optimize signal timing to mitigate to No Project conditions.
 - Other Improvements: Add another exclusive eastbound right turn lane to mitigate improve the intersection to LOS D and would result in a 3-lane on-ramp.
- Washington Street and Pacific Highway NB Ramps (AM & PM):
 - <u>Mitigation:</u> Optimize signal timing (increase cycle length to 90) to mitigate to No Project conditions.
 - Other Improvements: This improvement would also mitigate improve the intersection to LOS D conditions.

Table D-160

Intersection Operations with Mitigation Measures Airport Land Use Plan

Mitigate to No Project Conditions

| | | | 20 | 15 | 20 | 20 | 20 | 25 | 20 | 30 |
|--------------------------|-------------------------------|----------|------------------------|--------------|--------------|--------|--------------|---------------|-------------|---------------|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | 49.6 | D | 112.8 | F | 131.7 | F | 173.0 | F |
| | | PM | 25.2 | С | 33.7 | С | 40.7 | D | 55.9 | E |
| Hawthorn Street/ | Project | AM | 84.4 | F | 154.1 | F | 176.9 | F | 225.9 | F |
| North Harbor Drive | Without Mitigation | PM | 37.7 | D | 70.4 | E | 87.1 | F | 115.4 | F |
| | Project | AM | 23.9 | С | 37.8 | D | 48.7 | D | 79.3 | Е |
| | With Mitigation | PM | 37.7 | D | 35.1 | D | 43.5 | D | 61.9 | Е |
| | No Project | AM | 33.7 | С | 33.9 | С | 34.4 | С | 33.7 | С |
| | | PM | 62.4 | E | 59.5 | E | 53.1 | <u>D</u> | 60.4 | E |
| Laurel Street/ | Project | AM | 34.5 | С | 34.7 | С | 35.4 | D | 34.8 | С |
| Pacific Highway | Without Mitigation | PM | 69.3 | E | 65.0 | Е | 58.4 | E | 66.6 | E |
| | Project | AM | 34.5 | С | 34.7 | С | 35.4 | D | 34.8 | С |
| | With Mitigation | PM | 54.5 | D | 53.2 | D | 49.2 | D | 57.4 | E |
| | No Project | AM | | | 19.9 | В | 20.3 | C | 20.2 | С |
| | | PM | | | 53.1 | D | 68.6 | E | 56.5 | <u>E</u> |
| Grape Street/ | Project | AM | | | 20.5 | С | 21.0 | С | 20.9 | С |
| Pacific Highway | Without Mitigation | PM | 10.0 | | 64.7 | E | 83.0 | F | 72.2 | E |
| | Project | AM | 19.6 | B | 20.5 | С | 21.0 | С | 20.9 | С |
| | With Mitigation | PM | 38.4 | Đ | 38.4 | D | 50.6 | D | 44.7 | D |
| | No Project | AM | | | 14.8 | В | 14.2 | В | 14.8 | В |
| 0 | Bullet | PM | | | 55.3 | E | 54.0 | D | 77.1 | <u>E</u> |
| Grape Street/ | Project | AM | | | 14.7 | В | 14.0 | В | 14.7 | В |
| Kettner Boulevard | Without Mitigation | PM | 40.0 | | 71.2 | E | 70.9 | <u>E</u> | 98.3 | F |
| | Project | AM PM | 12.8 29.6 | B C | 14.7 46.4 | В | 14.0 | В | 14.7 | В |
| | With Mitigation No Project | AM | ∠9.0 | - | 19.4 | D B | 47.5 11.9 | D B | 71.1 9.6 | E A |
| | No Project | PM | | | 19.4 | F | 82.1 | F F | 9.6 62.5 | E |
| Caractera Charatt | Desired | AM | | | 32.6 | C | 18.1 | <u>г</u> В | 13.2 | <u>Е</u> В |
| Sassafras Street/ | Project Without Mitigation | PM | | | | F | - | В F | 80.9 | F |
| Kettner Boulevard | Project | AM | 9.6 | A | 144.2 9.6 | A | 107.6 9.6 | A A | 80.9 | A |
| | With Mitigation | PM | 9.0 12.4 | B. | 49.7 | D | 40.2 | D A | 24.3 | C |
| | No Project | AM | 12.4 | Ð | 49.7 | U | 40.2 | U | 15.1 | В |
| | No Floject | PM | | | | | | | 87.1 | F |
| Grape Street/ | Proiect | AM | - | | | | | | 15.4 | <u>г</u> В |
| I-5 Southbound On-Ramp | Without Mitigation | PM | | | | | | | 113.0 | F |
| 1-5 Southbound On-Ivamp | Project | AM | 9.6 | A | | | | | 15.4 | В |
| | With Mitigation | PM | 3.0 12.4 | ₽ | | | | | 100.0 | F |
| | No Project | AM | 46.7 | ₽ | 56.0 | Е | 59.8 | E | 31.1 | C |
| | INO I TOJECE | PM | 107.8 | F | 130.2 | F | 156.4 | F | 79.3 | Ē |
| Washington Street/ | Project | AM | 69.3 | Ė | 89.3 | F | 101.2 | Ė | 54.6 | |
| Pacific Highway NB-Ramps | Without Mitigation | PM | 106.8 | F | 136.9 | F | 162.3 | F | 81.9 | F |
| Taomo riigiiway ND-Namps | Project | AM | 42.1 | D | 30.5 | C | 31.8 | С | 54.6 | D |
| | With Mitigation | PM | 38.5 | D | 49.7 | D | 59.6 | E | 45.6 | D |
| Source: UNTP 2007 | vviui iviiugauoti | I IVI | 30.3 | U | 49.1 | U | J3.0 | | 40.0 | U |

Table D-161

Intersection Operations with Mitigation Measures Airport Land Use Plan

Mitigate Improve to LOS D

Mitigation Improvements assessed in this table will bring the street segment to an acceptable level of service C or D as defined by the City of San Diego and is provided for Informational Purposes ONLY.

| | | | 20 | 15 | 20 | 20 | 20 | 25 | 203 | 30 |
|-----------------------------|-----------------------------------|----------|-------|-----|-------|---------------|-------|-----|--------------|---------------|
| Intersection | Scenario | | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS |
| | No Project | AM | 49.6 | D | 112.8 | F | 131.7 | F | 173.0 | F |
| | | PM | 25.2 | C | 33.7 | C | 40.7 | D | 55.9 | <u> </u> |
| Hawthorn Street/ | Project | AM | 84.4 | F | 154.1 | F | 176.9 | F | 225.9 | F |
| North Harbor Drive | Without Mitigation Improvement | PM | 37.7 | D | 70.4 | E | 87.1 | F | 115.4 | F |
| | Project | AM | 23.9 | С | 37.8 | D | 48.7 | D | 79.3 | E |
| | With Mitigation Improvement | PM | 37.7 | D | 35.1 | D | 43.5 | D | 61.9 | E |
| | No Project | AM | 33.7 | С | 33.9 | С | 34.4 | С | 33.7 | С |
| | | PM | 62.4 | E | 59.5 | E | 53.1 | D | 60.4 | E |
| Laurel Street/ | Project | AM | 34.5 | С | 34.7 | С | 35.4 | D | 34.8 | С |
| Pacific Highway | Without Mitigation Improvement | PM | 69.3 | E | 65.0 | E | 58.4 | E | 66.6 | E |
| | Project | AM | 34.5 | С | 34.7 | С | 35.4 | D | 29.9 | С |
| | With Mitigation Improvement | PM | 54.5 | D | 53.2 | D | 49.2 | D | 54.9 | D |
| | No Project | AM | | | 19.9 | В | 20.3 | С | 20.2 | С |
| | , | PM | | | 53.1 | D | 68.6 | E | 56.5 | E |
| Grape Street/ | Project | AM | | | 20.5 | С | 21.0 | С | 20.9 | С |
| Pacific Highway | Without Mitigation Improvement | PM | | | 64.7 | E | 83.0 | F | 72.2 | E |
| | Project | AM | | | 20.5 | С | 21.0 | С | 20.9 | С |
| | With Mitigation Improvement | PM | | | 38.4 | D | 50.6 | D | 44.7 | D |
| | No Project | AM | | | 14.8 | В | 14.2 | В | 14.8 | В |
| | 140 T TOJECE | PM | | | 55.3 | E | 54.0 | D | 77.1 | E |
| Grape Street/ | Project | AM | | | 14.7 | <u>–</u> В | 14.0 | В | 14.7 | <u>–</u> В |
| Kettner Boulevard | Without Mitigation Improvement | PM | | | 71.2 | E | 70.9 | E | 98.3 | F |
| | Project | AM | | | 14.7 | В | 14.0 | В | 13.2 | В |
| | With Mitigation Improvement | PM | | | 46.4 | D | 47.5 | D | 16.5 | В |
| | No Project | AM | | | 19.4 | В | 11.9 | В | 9.6 | Α |
| | | PM | | | 121.5 | F | 82.1 | F | 62.5 | E |
| Sassafras Street/ | Project | AM | | | 32.6 | С | 18.1 | В | 13.2 | В |
| Kettner Boulevard | Without Mitigation Improvement | PM | | | 144.2 | F | 107.6 | F | 80.9 | F |
| | Project | AM | | | 9.6 | Α | 9.6 | Α | 8.3 | Α |
| | With Mitigation | PM | | | 49.7 | D | 40.2 | D | 24.3 | С |
| | <u>Improvement</u> | | | | 40.7 | | 40.2 | D | | - |
| | No Project | AM | | | | | | | 15.1 | В |
| Grape Street/ | Project | PM AM | | | | | | | 87.1 15.4 | <u></u> |
| I-5 Southbound On-Ramp | Without Mitigation | | | | | | | | | |
| 1-5 Godfibodila Oli-Italiip | <u>Improvement</u> | PM | | | | | | | 113.0 | F |
| | Project | AM | | | | | | | 15.4 | В |
| | With Mitigation Improvement | PM | | | | | | | 46.6 | D |
| | No Project | AM | 46.7 | D | 56.0 | Е | 59.8 | Е | 31.1 | С |
| | | PM | 107.8 | F | 130.2 | F | 156.4 | F | 79.3 | E |
| Washington Street/ | Project | AM | 69.3 | E | 89.3 | F | 101.2 | F | 54.6 | D |
| Pacific Highway NB-Ramps | Without Mitigation Improvement | PM | 106.8 | F | 136.9 | F | 162.3 | F | 81.9 | F |
| | Project | AM | 42.1 | D | 30.5 | С | 31.8 | С | 54.6 | D |
| | With Mitigation | PM | 38.5 | D | 49.7 | D | 47.7 | D | 45.6 | D |
| C UNITD 0007 | <u>Improvement</u> | | | | | | | | | |

D.10.3 <u>Freeway Segments</u>

D.10.3.1 Proposed Airport Implementation Plan

No potential significant impacts to freeway segments would result from development of the Proposed Airport Implementation Plan and no mitigation measures are required.

D.10.3.2 Airport Implementation Plan Alternative

No potential significant impacts to freeway segments would result from development of the Airport Implementation Plan Alternative and no mitigation measures are required.

D.10.3.3 Proposed Airport Land Use Plan

The Proposed Airport Land Use Plan would have potential significant impacts to the following freeway segments:

Freeway Segments with Significant Traffic Impacts

Year 2015

- I-5 (northbound and southbound segments, AM and PM peak hours)
 - nNorth of I-8 (AM and PM southbound segment only)
 - o I-8 to Old Town Avenue (AM southbound segment only; PM both directions)
 - Old Town Avenue to Washington Street (PM northbound segment only)
 - o Hawthorn Street to First Avenue (<u>AM northbound segment only; PM southbound segment only)</u>
 - First Avenue to SR-163 (AM northbound segment only; PM both directions)
 - o SR-163 to SR-94 (AM and PM northbound segment only)
- I-8 East of I-5 (westbound segment only, AM and PM)

Year 2020

- All segments identified in Year 2015 above, (except for I-5 NB between First Avenue and Hawthorn Street which improved to LOS D during the AM peak hour), plus the following:
- Northbound I-5 between Hawthorn Street and India Street (AM)
- Northbound I-5 north of I-8 (PM)

Year 2025

- All segments identified in Year 2020 above, <u>(except for I-5 NB between Old Town Avenue and I-8 which improved to LOS D during the PM peak hour)</u> plus the following:
- I-8 East of I-5 (eastbound segment, AM and PM)

Year 2030

- All segments identified in Year 2025 above, (except for I-5 NB between Hawthorn Street and India Street which improved to LOS D during the AM peak hour) plus the following:
- Northbound I-5 <u>northbound</u> between <u>Pacific Highway Viaduct and Washington Street</u> (AM) I-8 and Old Town Avenue (PM)

The Proposed Airport Land Use Plan would impact the freeway segments identified above by increasing densities by approximately 1% to 5% compared to No Project conditions. However, widening the freeway by one lane in one direction could reduce densities by as much as 20%, as

shown in **Table D-162**. Freeway widening is therefore more than necessary to mitigate the freeway impacts associated with the Proposed Airport Land Use Plan. As stated previously, because the Airport Land Use Plan is considered on a program level in this EIR, the SDCRAA will undertake additional environmental review on specific projects generalized in the Airport Land Use Plan as those projects are moved forward for planning and design.

Table D-162

Freeway Operations with One Lane Freeway Widening
(For illustration purposes only)

| AM Pe | ak Hour | | | | | | |
|--------------------------|--------------------------|---|----------|--|--------------------------|------------------------------------|--|
| SB I-5 | Freeway | | Year 201 | 5 | | | Year 2020 |
| From | То | To No Project (pc/mi/ln) Project (pc/mi/ln) | | Percent Increase/ <u>Decrease with</u> <u>Mitigation</u> | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation |
| North of I-8 | I-8 | 35.8 | 29.0 | -18.9% | 34.8 | 28.3 | -18.7% |
| I-8 | Old Town Avenue | 36.4 | 29.6 | -18.7% | 34.5 | 28.2 | -18.5% |
| Old Town Avenue | Washington Street | 29.9 | 24.4 | -18.4% | 25.7 | 21.1 | -17.9% |
| Washington Street | Pacific Highway Viaducts | 32.1 | 25.7 | -20.0% | 28.5 | 22.8 | -20.0% |
| Pacific Highway Viaducts | India Street | 36.7 | 29.3 | -19.9% | 30.9 | 24.7 | -19.9% |
| India Street | Hawthorn Street | 37.4 | 29.9 | -19.9% | 32.5 | 26.0 | -19.9% |
| Hawthorn Street | First Avenue | 31.4 | 25.5 | -18.7% | 26.8 | 21.9 | -18.5% |
| First Avenue | SR 163 | 33.1 | 26.9 | -18.8% | 28.8 | 23.4 | -18.6% |
| SR 163 | SR 94 | 19.4 | 15.9 | -17.9% | 17.2 | 14.2 | -17.6% |

| AM Pea | ak Hour | | | | | | | |
|--------------------------|--------------------------|--------------------------|------------------------------------|--|--------------------------|------------------------------------|--|--|
| SB I-5 F | | Year 202 | 5 | Year 2030 | | | | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | |
| North of I-8 | I-8 | 35.6 | 29.0 | -18.6% | 38.0 | 30.9 | <u>-18.6%</u> | |
| I-8 | Old Town Avenue | 35.4 | 28.9 | -18.3% | 37.5 | 30.6 | <u>-18.6%</u> | |
| Old Town Avenue | Washington Street | 26.5 | 21.7 | -17.8% | 27.6 | 22.6 | <u>-18.1%</u> | |
| Washington Street | Pacific Highway Viaducts | 29.8 | 23.8 | -20.0% | 30.4 | 24.3 | -20.0% | |
| Pacific Highway Viaducts | India Street | 32.2 | 25.8 | -19.8% | 33.4 | 26.7 | <u>-19.9%</u> | |
| India Street | Hawthorn Street | 33.7 | 27.0 | -19.8% | 34.5 | 27.7 | <u>-19.9%</u> | |
| Hawthorn Street | First Avenue | 27.8 | 22.7 | -18.3% | 28.0 | 22.9 | <u>-18.1%</u> | |
| First Avenue | SR 163 | 30.1 | 24.6 | -18.5% | 30.4 | 24.8 | <u>-18.3%</u> | |
| SR 163 | SR 94 | 17.8 | 14.7 | -17.4% | 18.2 | 15.1 | <u>-17.1%</u> | |

Source: HNTB, 2007.

Significant Impac

The range of impacts associated with the Land Use Plan could potentially be addressed by Transportation Demand Management (TDM) measures. These measures, used in combination, could result in employee vehicle trip reduction of as much as 10%. Employee trips make up approximately 8% of daily airport trips, and a 10% reduction would result in a 1% reduction in overall airport trips. Although TDM measures are typically addressed to employees to reduce commute trips, measures could be tailored to encourage air passengers to use high occupancy vehicles instead of using private vehicles, however the resulting benefit would be limited.

Conclusion

While it is understood that the widening of I-5 would fully mitigate all impacts to the freeway segments under the Airport Land Use Plan, the SDCRAA acknowledges that freeway widening is complex and is not in the region's long-range transportation plan. Further, as with other traffic mitigation measures, freeway widening is within the responsibility and jurisdiction of Caltrans so SDCRAA is unable to determine the likelihood or feasibility of freeway widening as a mitigation measure. As a result, SDCRAA cannot ensure that the impact will be reduced to less than significant and alternative mitigation and potential benefits have been identified.

Eederal Highway Administration (FHWA) and Federal Transit Administration (FTA), Effectiveness Overview of Transportation Demand Management (TDM) Measures, xxxx Final Report, January 1994.

Parsons, Update of Traffic Data for SDIA, 2004.

The 2003 Central I-5 Corridor Study's Recommended Improvement Alternative E, direct freeway ramps from Old Town to Pacific Highway, was evaluated as a potential mitigation measure. The northbound and southbound sections of I-5 between Washington Street and Old Town Avenue would benefit from this improvement measure. Implementation of this measure would mitigate the potentially significant impact under the Land Use Plan to the northbound freeway segment during the PM peak hour, such that No Project conditions would be restored. While the southbound AM and PM and northbound AM operations would be improved, these segments are not identified as having potentially significant impacts. As such, implementation of 2003 Central I-5 Corridor Study's Recommended Improvement Alternative E, direct freeway ramps from Old Town to Pacific Highway, would result in the reduction of significant impacts to the segment of I-5 between Washington Street and Old Town Avenue. The implementation of this measure would not reduce the freeway impacts on southbound I-5 between I-8 and Old Town Avenue and between Hawthorn Street and SR 163, on northbound I-5 between India Street and SR 94 and between Old Town Avenue and I-8, on eastbound and westbound I-8. Again, because the responsibility and jurisdiction over the direct freeway ramps lies with Caltrans, SDCRAA cannot ensure that such mitigation will be implemented and thus it is possible that significant impacts will remain after Project implementation. SDCRAA will cooperate with all responsible agencies for such measures and encourage their implementation.

Table D-163 illustrates alternative mitigation to improve freeway segments.

<u>Table D-163</u>

Freeway Operations with Ramps from I-5 to Pacific Highway at Old Town Avenue – AM Peak Hour
(Central I-5 Corridor Study Recommended Improvement E)

| AM Pea | ak Hour | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|--|---|--------------------------|--|---|--------------------------|--|---|--------------------------|--|--|
| SB I-5 I | Freeway | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease wit Mitigation |
| North of I-8 | I-8 | 35.8 | 36.3 | 1.4% | 34.8 | 35.3 | 1.6% | 35.6 | 36.2 | 1.8% | 38.0 | 38.7 | 1.8% |
| I-8 | Old Town Avenue | 36.4 | 37.0 | 1.7% | 34.5 | 35.2 | 1.9% | 35.4 | 36.1 | 2.1% | 37.5 | 38.2 | 1.8% |
| Old Town Avenue | Washington Street | 29.9 | 29.9 | 0.0% | 25.7 | 25.7 | 0.0% | 26.5 | 26.5 | 0.0% | 27.6 | 27.6 | 0.0% |
| Washington Street | Pacific Highway Viaducts | 32.1 | 32.1 | 0.0% | 28.5 | 28.5 | 0.0% | 29.8 | 29.8 | 0.0% | 30.4 | 30.4 | 0.0% |
| Pacific Highway Viaducts | India Street | 36.7 | 36.7 | 0.1% | 30.9 | 30.9 | 0.2% | 32.2 | 32.2 | 0.2% | 33.4 | 33.4 | 0.1% |
| India Street | Hawthorn Street | 37.4 | 37.4 | 0.1% | 32.5 | 32.5 | 0.2% | 33.7 | 33.7 | 0.2% | 34.5 | 34.6 | 0.1% |
| Hawthorn Street | First Avenue | 31.4 | 31.9 | 1.6% | 26.8 | 27.3 | 1.9% | 27.8 | 28.4 | 2.1% | 28.0 | 28.6 | 2.4% |
| First Avenue | SR 163 | 33.1 | 33.6 | 1.5% | 28.8 | 29.3 | 1.8% | 30.1 | 30.7 | 1.9% | 30.4 | 31.0 | 2.2% |
| SR 163 | SR 94 | 19.4 | 19.9 | 2.6% | 17.2 | 17.7 | 3.0% | 17.8 | 18.4 | 3.2% | 18.2 | 18.9 | 3.6% |
| | | | | | | | | | | | | | |
| NB I-5 I | Freeway | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease wit Mitigation |
| SR 94 | SR 163 | 56.7 | 57.7 | 1.8% | 53.6 | 54.7 | 2.1% | 54.3 | 55.6 | 2.3% | 53.4 | 54.7 | 2.6% |
| SR 163 | First Avenue | 42.7 | 43.8 | 2.4% | 41.2 | 42.3 | 2.7% | 41.8 | 43.0 | 3.0% | 40.3 | 41.6 | 3.4% |
| First Avenue | Hawthorn Street | 35.4 | 36.4 | 2.9% | 33.1 | 34.2 | 3.4% | 32.6 | 33.9 | 3.8% | 31.3 | 32.7 | 4.4% |
| Hawthorn Street | India Street | 36.3 | 36.5 | 0.7% | 35.1 | 35.4 | 1.1% | 34.6 | 35.1 | 1.3% | 31.9 | 32.3 | 1.3% |
| India Street | Pacific Highway Viaducts | 36.1 | 36.3 | 0.3% | 34.6 | 34.7 | 0.4% | 34.2 | 34.3 | 0.5% | 31.7 | 31.9 | 0.7% |
| Pacific Highway Viaducts | Washington Street | 25.2 | 25.4 | 0.4% | 24.0 | 24.1 | 0.6% | 23.4 | 23.6 | 0.8% | 21.8 | 22.0 | 1.0% |
| Washington Street | Old Town Avenue | 30.5 | 30.5 | 0.0% | 29.9 | 29.9 | 0.0% | 29.3 | 29.3 | 0.0% | 27.8 | 27.8 | 0.0% |
| Old Town Avenue | I-8 | 30.2 | 30.5 | 1.0% | 28.8 | 29.1 | 1.1% | 28.2 | 28.5 | 1.3% | 26.5 | 26.9 | 1.3% |
| I-8 | North of I-8 | 37.1 | 37.3 | 0.7% | 37.1 | 37.4 | 0.7% | 37.2 | 37.5 | 0.8% | 37.4 | 37.7 | 0.9% |
| | | | | | | | | | | | | | |
| I-8 Fr | eeway | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease w Mitigation |
| I-5 | East | 29.4 | 29.6 | 0.7% | 25.2 | 25.4 | 0.9% | 25.3 | 25.5 | 1.0% | 24.4 | 24.6 | 1.2% |
| East | I-5 | 35.7 | 36.1 | 1.2% | 33.5 | 34.0 | 1.4% | 34.7 | 35.2 | 1.5% | 36.2 | 36.8 | 1.6% |

NOTE: This table was not included in the Draft EIR. It does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

<u>Table D-163</u>

<u>Freeway Operations with Ramps from I-5 to Pacific Highway at Old Town Avenue – PM Peak Hour</u>

(Central I-5 Corridor Study Recommended Improvement E)

| | ak Hour | _ | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|--|---|--------------------------|--|---|--------------------------|--|---|--------------------------|--|---|
| SB I-5 I | reeway | | Year 2015 | | | Year 2020 | | | Year 2025 | | | Year 2030 | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease wi Mitigation |
| North of I-8 | I-8 | 41.8 | 42.3 | 1.2% | 48.0 | 48.5 | 1.1% | 47.2 | 47.8 | 1.2% | 45.9 | 46.5 | 1.3% |
| I-8 | Old Town Avenue | 36.9 | 37.6 | 1.7% | 44.6 | 45.2 | 1.5% | 44.1 | 44.9 | 1.6% | 42.0 | 42.6 | 1.5% |
| Old Town Avenue | Washington Street | 31.1 | 31.1 | 0.0% | 31.9 | 31.9 | 0.0% | 32.0 | 32.0 | 0.0% | 31.7 | 31.7 | 0.0% |
| Washington Street | Pacific Highway Viaducts | 33.1 | 33.1 | -0.1% | 37.6 | 37.6 | -0.1% | 38.0 | 38.0 | -0.1% | 34.8 | 34.7 | -0.1% |
| Pacific Highway Viaducts | India Street | 41.9 | 41.8 | -0.2% | 41.9 | 41.8 | -0.1% | 42.2 | 42.2 | -0.1% | 41.3 | 41.2 | -0.3% |
| India Street | Hawthorn Street | 41.7 | 41.6 | -0.2% | 44.0 | 44.0 | -0.1% | 44.5 | 44.4 | -0.1% | 42.7 | 42.6 | -0.3% |
| Hawthorn Street | First Avenue | 36.8 | 37.6 | 2.1% | 37.9 | 38.7 | 2.2% | 38.7 | 39.6 | 2.3% | 38.8 | 39.7 | 2.5% |
| First Avenue | SR 163 | 46.8 | 47.6 | 1.6% | 47.6 | 48.4 | 1.7% | 48.5 | 49.4 | 1.9% | 48.9 | 49.8 | 2.0% |
| SR 163 | SR 94 | 26.7 | 27.5 | 2.9% | 27.1 | 28.0 | 3.1% | 28.0 | 28.9 | 3.2% | 27.2 | 28.2 | 3.6% |
| | | | | | | | | | | | | | |
| NB I-5 | Freeway | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase Decrease w Mitigation |
| SR 94 | SR 163 | 39.5 | 40.5 | 2.6% | 34.8 | 35.8 | 3.0% | 35.4 | 36.6 | 3.2% | 37.2 | 38.4 | 3.3% |
| SR 163 | First Avenue | 39.3 | 40.4 | 2.6% | 37.9 | 38.9 | 2.8% | 38.5 | 39.6 | 2.9% | 38.0 | 39.3 | 3.2% |
| First Avenue | Hawthorn Street | 32.3 | 33.3 | 3.1% | 29.0 | 30.0 | 3.6% | 29.1 | 30.3 | 3.9% | 30.6 | 31.8 | 4.0% |
| Hawthorn Street | India Street | 38.5 | 38.6 | 0.3% | 36.5 | 36.7 | 0.4% | 36.8 | 37.0 | 0.5% | 39.5 | 39.7 | 0.4% |
| India Street | Pacific Highway Viaducts | 37.8 | 37.9 | 0.1% | 34.4 | 34.4 | 0.1% | 34.8 | 34.8 | 0.1% | 35.8 | 35.9 | 0.1% |
| Pacific Highway Viaducts | Washington Street | 30.6 | 30.6 | 0.1% | 28.1 | 28.1 | 0.1% | 28.0 | 28.0 | 0.1% | 29.6 | 29.6 | 0.1% |
| Washington Street | Old Town Avenue | 35.7 | 35.7 | 0.0% | 35.3 | 35.3 | 0.0% | 35.3 | 35.3 | 0.0% | 35.4 | 35.4 | 0.0% |
| Old Town Avenue | I-8 | 36.8 | 37.2 | 1.1% | 34.6 | 35.1 | 1.4% | 34.2 | 34.7 | 1.5% | 35.7 | 36.1 | 1.2% |
| I-8 | North of I-8 | 38.2 | 38.6 | 0.992% | 39.1 | 39.5 | 1.1% | 39.1 | 39.6 | 1.2% | 42.9 | 43.4 | 1.1% |
| | | | | | | | | | | | | | |
| I-8 Fr | eeway | | | | | | | | | | | | |
| From | То | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase/ Decrease with Mitigation | No Project (pc/mi/ln) | Project with Mitigation (pc/mi/ln) | Percent Increase Decrease v Mitigation |
| -5 | East | 38.9 | 39.3 | 0.8% | 38.0 | 38.3 | 0.9% | 37.8 | 38.2 | 1.03% | 37.1 | 37.5 | 1.1% |
| East | I-5 | 37.8 | 38.2 | 1.1% | 35.6 | 36.1 | 1.3% | 36.1 | 36.6 | 1.3% | 35.4 | 35.9 | 1.5% |

Source: HNTB, 2007

Legend:

LOS E
LOS F
Significant Impact

Operation with Ramps
Significant Impact Mitigated

NOTE: This table was not included in the Draft EIR. It does not represent significant new information and does not affect the significance determinations presented in the Draft EIR.

D.10.4 Freeway Ramps

Mitigation for freeway ramps is within the jurisdiction of Caltrans and mitigation for metered freeway ramps would require increasing ramp metering rates.

D.10.4.1 Proposed Airport Implementation Plan

No potential significant impacts to metered freeway ramps would result from development of the Proposed Airport Implementation Plan and no mitigation measures are required.

D.10.4.2 Airport Implementation Plan Alternative

No potential significant impacts to metered freeway ramps would result from development of the Airport Implementation Plan Alternative and no mitigation measures are required.

D.10.4.3 Proposed Airport Land Use Plan

No potential significant impacts to metered freeway ramps would result from development of the Proposed Airport Land Use Plan Alternative and no mitigation measures are required.

D.10.5 Railroad Crossings

Under the No Project Alternative, Proposed Airport Implementation Plan, and Airport Implementation Plan Alternative, total vehicle delay at all railroad crossings were estimated to be under the VHD threshold for each street segment except for Washington Street which exceeds the VHD threshold in 2020 and 2025. Since the condition occurs even under the No Project Alternative, the Proposed Airport Implementation Plan and Implementation Plan Alternative would not result in significant railroad crossing impact and no mitigation measures are required.

Under the Proposed Airport Land Use Plan, the higher volumes at Washington Street raised the VHD threshold, consequently resulting in no impacts at Washington Street in any year. Therefore, the Proposed Airport Land Use Plan would not result in significant railroad crossing impact and no mitigation measures are required.

D.10.6 Transit

Under the No Project Alternative, Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan no existing or planned transit routes would be modified. Therefore, the Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan would not result in significant transit impact and no mitigation measures are required.

SDCRAA is aware of SANDAG's most recent Regional Transportation Plan which calls for development of a Bus Rapid Transit system to accompany the existing Trolley and Coaster service and is leading a multiple agency committee to identify ways to improve public transit access to SDIA.

The Airport Authority supports improvements to Airport transit service and is developing policies and programs to encourage and increase transit use by airport users comprised of passengers and employees. The Authority is committed to increasing transit ridership to SDIA and has led a multi-agency Airport Transit/Roadway Committee which developed a Draft Airport Transit Plan for SDIA identifying opportunities to improve transit access. The main goal of the Airport Transit Plan and the Authority is to increase the airport passenger transit ridership from the existing 1.2 percent to the national average of 5 percent over the next 3 to 5 years. Recommendations of this Plan are presented in Table 2-21 within Section 2.4.1, Airport Transit Plan, of the FEIR for the San Diego International Airport Master Plan.

In addition, the Proposed Airport Land Use Plan designates Ground Transportation land uses in the North Area that may include an intermodal transit center and a proposed transit corridor

connecting to the South Area. Further analysis of an intermodal transit center will be coordinated with the regional transportation agencies.

D.10.7 Parking

No alternative would remove any parking lots designated for public use and passenger terminals also are not located close to commercial or residential areas. The Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan would provide additional parking compared to the No Project Alternative and would not result in significant parking impact. Therefore, no mitigation is required.

D.10.8 Terminal Curbside

Under the No Project Alternative no new curbside would be provided and there would be an airport-wide deficiency of 610 linear feet in 2015 and <u>1.650</u> linear feet in 2030.

Under the Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan sufficient curb length is provided to meet future requirements through 2015. Therefore, the Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan would result in positive curbside impacts and therefore, no mitigation measures are required.

D.10.9 On-Airport Traffic Circulation

Under the No Project Alternative, Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan all terminal roadways would operate at LOS D or better during peak hours. In addition, all alternatives would provide adequate site ingress and egress and would not affect public street operations. No roadways would be designed to cause traffic hazards to motor vehicles, bicyclists or pedestrians. Therefore, the Proposed Airport Implementation Plan, Airport Implementation Plan Alternative, and Proposed Airport Land Use Plan would have no significant on-airport traffic circulation impact and no mitigation measures are required.

D.10.10 Construction

Two traffic and circulation construction measures described in Section D.8 Construction Impacts will be implemented as additional actions undertaken by the SDCRAA. The measures are entitled:

MM5.3 ■ Establish a Construction Coordination Office within the Ground Transportation Department

MM5.3-4 • Require Orientation for Construction Personnel

D.10.11 <u>Level of Significance after Mitigation Measures</u>

As described in Section D.2, *Traffic Impacts and Significance Criteria*, significance criteria used to determine potentially significant impacts for freeway segments and metered on-ramps, street/roadway segments, intersections and parking were derived from the City of San Diego Development Services Department's <u>CEQA Significance Determination Thresholds</u> guidelines dated January 2007; significance criteria for railroad crossings were derived from the California Utilities Commission, and best practice management was used to determine significance criteria for transit, parking, terminal curbsides and on-airport roadways.

Per Section O, *Transportation/Circulation and Parking*, of the City of San Diego's CEQA Significance Determination Thresholds dated January 2007 (described in Section D.2 of this DEIR FEIR), mitigation measures have been identified to (1) restore/and maintain the traffic facility to an acceptable Level of Service defined by the City of San Diego to be LOS D or better

and (2) mitigate the project's direct significant and/or cumulatively considerable traffic impacts. In many cases these proposed mitigation measures are the same. For informational purposes only, additional actions that would be necessary to improve the LOS to D or better were also provided.

Mitigation measures were identified in this section for each potentially significant impact per the City's guidelines. After mitigation, each potentially significant impact caused by the Project will be reduced to less than significant. In addition, W—when possible mitigation was additional actions were identified to improve the level of service of the transportation facility to within the City's acceptable guidelines, LOS D or better, and—even though the Project will not cause the traffic condition. In many instances the mitigation—traffic improvement mitigation measures identified to mitigate a potentially significant impact to insignificant conditions also improved the LOS of the facility to LOS D or better. In some instances no feasible mitigation practicable traffic improvement measure could be identified to mitigate improve the transportation facility to LOS D or better. However, because CEQA only requires mitigation for impacts caused by the Project, the lack of traffic improvement measures in such instances is not considered a significant impact. As a result, after mitigation, all traffic related impacts are reduced to less than significant.

Although the mitigation measures identified would reduce traffic impacts to a level of less than significant, the roadway segments, intersection, arterial roadways, and freeway ramps and operations are within the legal authority, responsibility and jurisdiction of the City of San Diego or Caltrans, not SDCRAA. As such, SDCRAA lacks the legal authority to ensure that these other agencies will implement the mitigation measures necessary to render the traffic impacts less than significant. If these agencies do not implement the mitigation measures identified and adopted by SDCRAA, it is possible that the traffic impacts of the Project will remain significant after Project implementation.

Subsequent to implementation of any required mitigation a peak hour roadway analysis would be conducted as part of a mitigation feasibility study to determine specific mitigation measures to be implemented.