MEET the PRIMES

INTERNATIONAL AIRPORT

LET'S GO.



4:00 p.m. – 5:00 p.m.

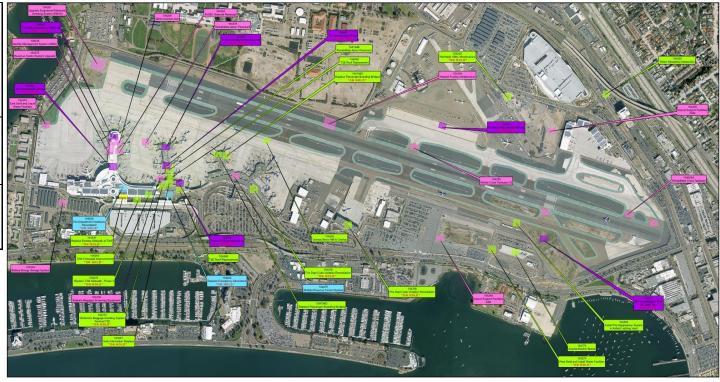
SESSION FEATURING

Airport Design & Construction (ADC)

Capital Improvement Program

Status Report- Nov 2020

Project Phase	Planning	Schematic design	Design & Bid	Construction	Closeout	Total
Active	0	1	6	14	0	21
ploH - u	7	2	10	0	0	19







Airport Development Plan (ADP) Overall Program Scope

```
413001 – Terminal and Roadways
411001 – Airside Improvements
414002 – Administration Building
```



CIP/ADP#: 413001

Name: ADP Terminal and Roadways (includes T2 Parking Plaza)

Project Budget: \$ 2.487 Billion

Phase: Validation

CEQA: EIR certified January 09, 2020

Major Milestones Achieved:

- January 09, 2020 Board Approved ADP Budget
- September 03, 2020 Board Award of Contract
- September 17, 2020 NTP Issued to Design Builder
 Turner Flatiron

Upcoming Major Milestones:

- We expect to go to Board requesting Approval of Maximum Contract Price (MCP) for Terminal and Roadways: Summer 2021
- NEPA Approval: Anticipated Summer 2021
- We expect construction completion for the first 19 gates: late 2024/ early 2025 (pending final environmental approvals)

CIP/ADP #: 411001

Name: ADP Airside Improvements

Project Budget: \$ 219.1 M

Phase: Design

CEQA: EIR certified January 09, 2020

Major Milestones Achieved:

- Schematic Design Completed
- Modifications to Standards submitted to FAA for review/approval
- Regular coordination meetings between Airside Design Team and Terminal/Roadway DB Team underway
- Regular coordination meetings with FAA, OPS and Tower ongoing.

Upcoming Major Milestones:

- We expect Design completion and start Bid Advertisement: Spring 2021 (subject to change)
- We expect Construction Timeline: Late 2021 to 2028 (pending final environmental approvals)

CIP/ADP#: 414002

Name: ADP New Administration Building

Project Budget: \$ 102.8 M Phase: Bridging Documents

CEQA: EIR certified January 09, 2020

Major Milestones Achieved:

Bridging Documents are complete

Upcoming Major Milestones:

- Issue RFP to Shortlist in Nov 2020 (Subject to Change)
- We expect to go to Board in May or June 2021 to request D-B contract award
- We expect selected D-B Contractor to begin subcontract procurement late 2021/ early 2022
- We expect Construction Timeline: Early 2022 to Summer 2023 (pending final environmental approvals)

Planning Phase





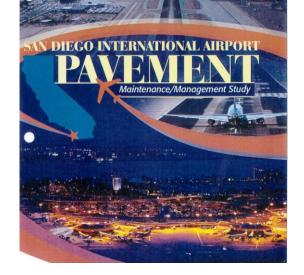
Name: Pavement Management Program

Project Budget: \$750,000

Phase: Planning

Key Elements:

- Analysis of airfield and landside pavement
- Condition assessment & determination of remaining useful life



Anticipated Start of Pavement Analysis: December 2020

CIP#: 104282A

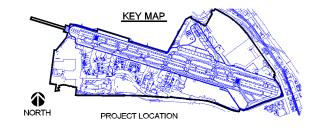
Name: Perimeter Fence & PIDS Master Plan

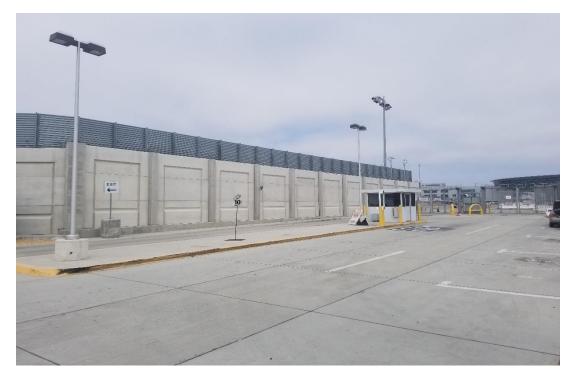
Project Budget: \$500K

Completion Date: December 2020



- Existing conditions report complete
- > Stakeholder workshops complete
- DRAFT Master Plan due Oct 2020
- FINAL Master Plan due Dec 2020





Name: Parking Revenue Control System

Project Budget: \$800K

Phase: Planning

Completion Date: July 2021

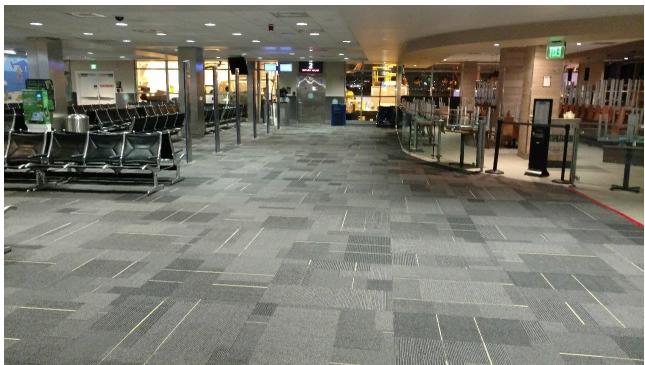


- Amended scope to include:
 - ➤ SKIDATA Server Upgrade
 - > HUB Server Upgrade
 - Complete parking study
- ➤ In Progress On Schedule





Schematic Design Phase





Tenant Improvement Program

Status Report- Nov 2020

			_		
Year Project Started	Design Review	Construction	Closeout	Tot Active Projects	Closed per Year
2017	0	1	0	1	43
2018	0	0	4	4	39
2019	0	4	0	4	25
(Jan to Jun)					
2020	4	3	3	10	5
FY					
2021	4	5	0	9	0
FY					
Tot Active	8	8	7	29	112
On-Hold	7	2	0	Tot	9



Name: SDFC Additional Fuel Tanks

Construction Budget: TBD Status: Construction

Completion Date: February 2022



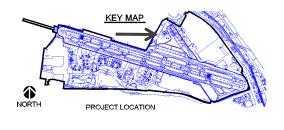
➤ Addition of three fuel storage tanks

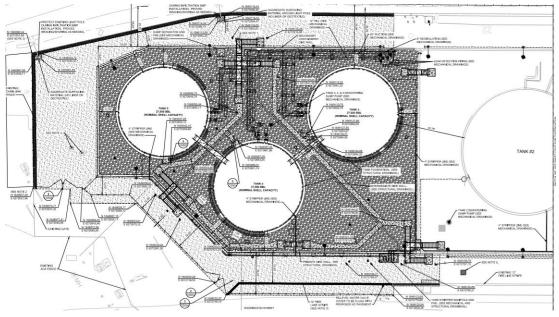
Major Milestones

- > CCC approval: June 2020 Completed
- ➤ Completed City Plan Check: June 2020
- ➤ Fire Protection: Submitted to City for permitting Oct 2020
- > AOA Fence Relocation: Completed









Name: Clear Channel Airports Advertising

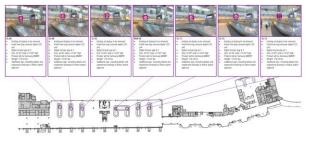
Construction Budget: TBD Completion: End of 2020 Status: Construction

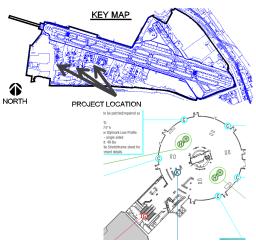
Project Scope

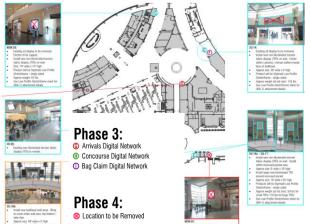
➤ Installation of new advertising equipment Project Status

> Phase 1 & 2: Complete

➤ Phase 3 & 4: Construction in Progress













T1E Installation

T1W Installation

T2W Installation

Name: Southwest Airlines ASB Build Out

Construction Budget: TBD Completion Date: April 2021

Status: Design Review

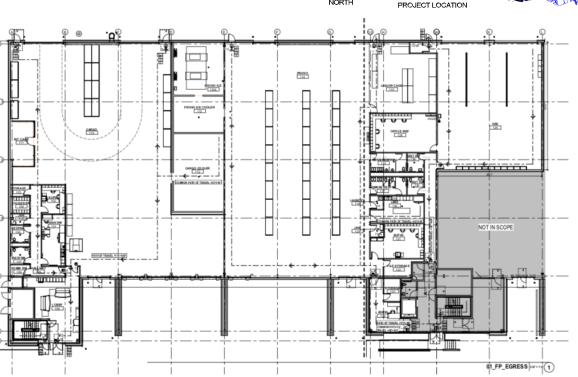


➤ Tenant Improvement Buildout of SWA Provisioning, Cargo & GSE in new Airline Support Building.

Status

➤ 100% Permit Drawings Submitted to City





KEY MAP

Name: United Airlines ASB Build Out

Construction Budget: TBD Completion Date: April 2021

Status: Design Review

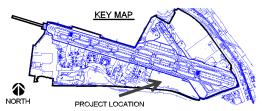
Project Scope

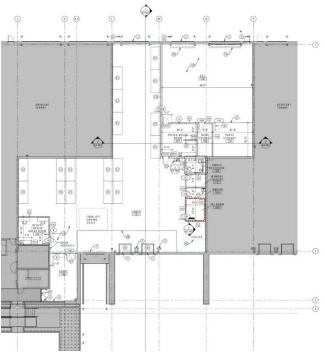
➤ Tenant Improvement Buildout of UA Provisioning, Cargo & GSE in new Airline Support Building.

Status

> 90% Stakeholder comments returned to Tenant







Name: American Airlines ASB Build Out

Construction Budget: TBD Completion Date: April 2021

Status: Design Review

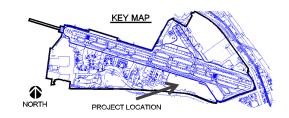
Project Scope

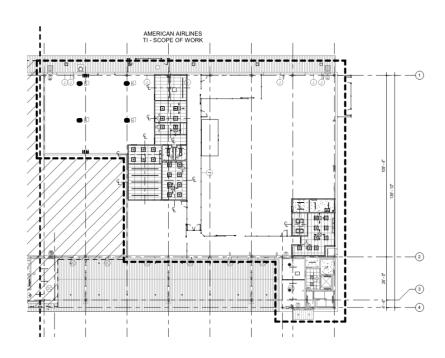
➤ Tenant Improvement Buildout of AA Provisioning, Cargo & GSE in new Airline Support Building.

Status

➤ 30% Design Drawings







Name: SAN Fuel Truck Rack Demo and Line Replacement

Construction Budget: TBD Completion Date: January 2022

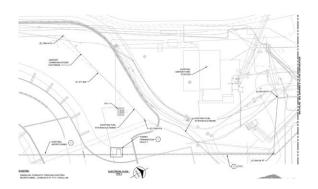
Status: Design Review

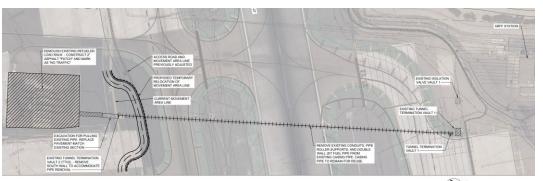


➤ Demolition of existing east refueler load rack and replacement of existing transfer line with existing casing pipe located under runway

Status

➤ 60% Stakeholder Design Review Completed





NORTH





KEY MAP

PROJECT LOCATION

CIP#: 104262 (On Hold)

Name: Enhanced Generator Reliability

Project Budget: \$2.1M

Project Phase: Schematic Design

Completion Date: TBD

Current Status

- Study Phase completed February 2020
- ➢ Generators installed between 1996 and 2002
 (9) expected to last 6 − 12 more years (30 year life)
- Final design to connect existing generators to FMD monitoring system to begin in October 2022



Design & Bid Phase





Name: Replace T2E Roof Hydronic Pipe Insulation

Project Budget: \$2.2M

Phase: Design

Construction Timeline: Mar to Dec 2021



Project Scope:

Replace T2E roof existing hydronic pipe insulation with new improved material, and replace hydronic isolation valves

Project Status & Update:

- Major planned milestones:
 - > 100% Design: Dec 2020
- Project completion enables Roof Replacement Project 104240 to commence. Focusing on expediting construction completion in order to avoid rainy season for start of the reroof project.

Name: T2E Roof Replacement

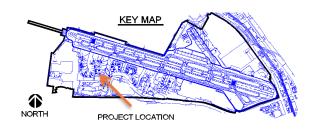
Project Budget: \$6.55M

Phase: Design

Construction Timeline: Dec 2021 to Oct 2022

Scope

➤ Install new Liquid (1/4"thick spray-on) membrane to existing roof, replace existing roof drains, remove and replace some flashings and copings. The Membrane is guaranteed for 30 years.





CIP#: 104255A

Name: Rehabilitate Cross Taxiways C2, C5 and D

Project Budget: \$5.9M

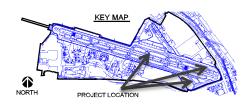
Phase: Design

Construction Timeline: Dec 2020 to May 2021

Potential Least Tern Impacts

Key Elements:

- Asphalt milling and overlay of Cross Taxiways C2, C5 and D
- Work to be completed during nightly closures
- FAA funded





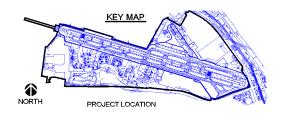
CIP#: 104257 (On Hold)

Name: GIDS - Gate Information Displays

Project Budget: \$1.9M Current Phase: Design

Design is at 100%

Project is On Hold





CIP#: 104194B (On-Hold)

Name: PBB Refurbishments at T2

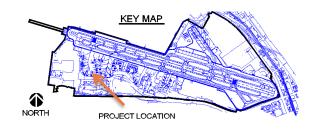
Project Budget: \$16.8M

Design Completion: April 2020

Phase: Design

Scope

- > PBB Refurbishments at T2 Gates #20-22, 26, 28-41
- Possible refurbishments for safety shoes at Gates 44-47, 49 & 50





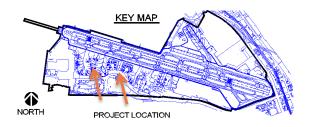
CIP#: 104194D PBB Refurbishments at T1

Project Budget: \$2.5M Current Phase: Design

Construction Timeline: April to Summer 2021

Scope

- > PBB Refurbishments Gates 11,12,13,14, 17 & 18
- ➤ PCA Replacements Gates 3-10
- > Replace tires to solid tires
- Minor PBB refurbishment Gates 28, 34, 43, 48 & 51





Name: Widen Sassafras Street

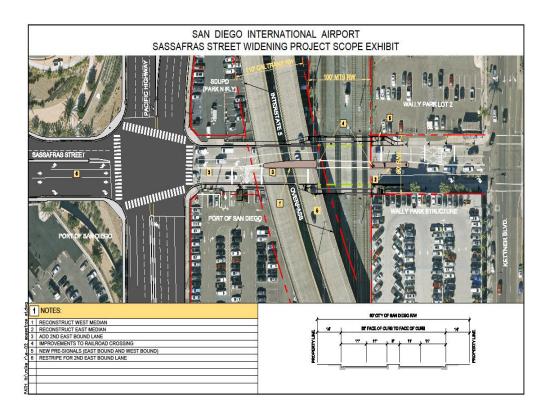
Project Budget: \$5.6M

Phase: Design

Construction Timeline: July 2021 to Feb 2022

Current Status:

- City DSD Approval Nov. 2020
- ➤ MTS Approval Nov. 2020
- ➤ Begin C&M Agreement Sept. 2020
- ➤ CPUC GO88-B Approval Nov. 2020
- Caltrans JROE Permit ext. Dec 2020
- Complete C&M Agreement Mar. 2021



CIP#: 104249A

Name: West Refueler Loading Facility

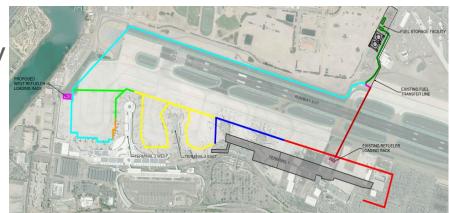
Estimated Project Cost: \$14.1M

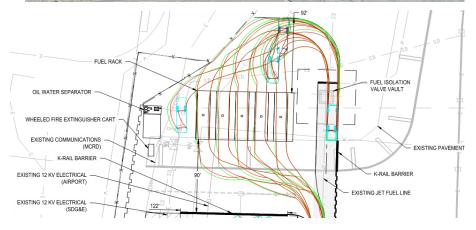
Phase: Design & Bidding

Construction Timeline: Dec 2020 to Nov 2021

 West Fuel Rack will replace existing fuel rack which is located within the footprint of future T1

Rack will include five loading islands to match the existing facility





Name: T2E Electrical Modernization

Project Budget: \$9.85M

Phase: Design

Construction Timeline: April 2021 to May 2022

Project Scope

Modernize T2E Electrical Main Switchboard (MSB) and replace associated downstream electrical equipment,

- Expand and construct new electrical room to meet latest code and safety requirements
- Provide additional capacity, redundancy and system reliability to accommodate for terminal long-term use
- Make provisions for new ATO Breakroom at T2E







NEW EXPANSED
ATO BREASTOON

ATO BREASTOON

ATO THE STANLAND THE STANLA



Proposed Electrical Room Configuration

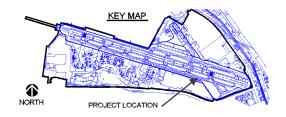
Name: Runway Electrical Vault Upgrades

Project Budget: \$1.3M

Project Phase: Design and Bid

Construction Timeline: Sept 2021 to June 2022

Potential Least Tern Impacts (Construction only allowed during non-nesting season)





Current Status:

- > 100% submittal due in November 2020
- Project scope involves replacement of existing lighting regulators and installation of Fire Suppression system

CIP#: 104265 (On Hold)

Name: T2W Crosswalk Improvements

Project Budget: \$1.1M

Phase: Design

Completion Date: TBD

Provide safety and aesthetic enhancements at the primary pedestrian crosswalk

Conceptual design was approved on 10/17/2019

> 100% design completed





CIP#: 104272 (On Hold)

Name: Modernize Baggage Handling System - T2E

Project Budget: \$15.95M

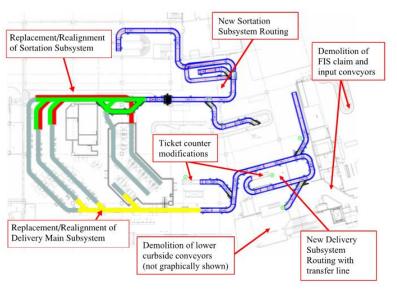
Completion Date: TBD (Stop at 100% design due to on-hold status)

Phase: Design



- > Ticketing and curbside area controls and merge optimization
- > Realignment of transfer input conveyers & high-speed diverters
- Replacement & optimization of Automatic Tag Readers (ATR)
- Replacement & realignment of sortation & delivery main line subsystem devices to minimize dieback & improve performance (Add Alternative)





Name: East Solid & Liquid Waste Facilities

Project Budget: \$26.1M

Phase: Design

Construction Timeline: Sept 2021 to Oct 2022

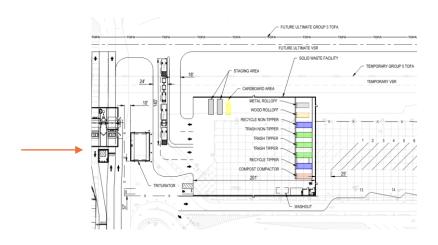
Potential Least Tern Impacts

 Existing triturator, solid waste, recycling and vehicle wash facilities will be replaced by two facilities, one on the east and one on the west side of the airfield

The 30,000 SF East Facility Includes:

- Recycling Non-Tipper Compactor (1)
- Recycling Tipper Compactor (1)
- Trash Non-Tipper Compactor (1)
- Trash Tipper Compactor (1)
- Food Waste Compactor (1)
- Cardboard Bales Flatbed (1)
- Metal Rolloff (1)
- Wood Rolloff (1)
- Office space, restroom, wash out area for tipper carts, etc.





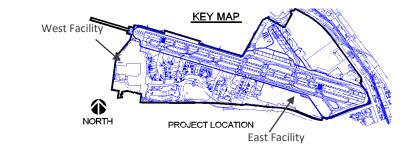
CIP#: 104274A

Name: West Solid Waste Facility

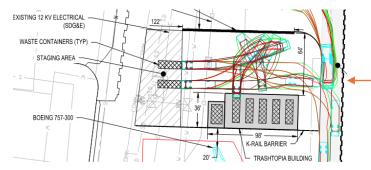
Project Budget: \$9.4 M

Phase: Design

Construction Timeline: Dec 2020 to Nov 2021



Project was bid with 104249A
 West Refueler Loading Facility



The West Facility Includes:

- Recycling Non-Tipper Compactor (1)
- Recycling Tipper Compactor (1)
- Trash Non-Tipper Compactor (1)
- Trash Tipper Compactor (1)
- Food Waste Compactor (1)
- Wash out area for tipper carts

CIP#: 104265 (On Hold)

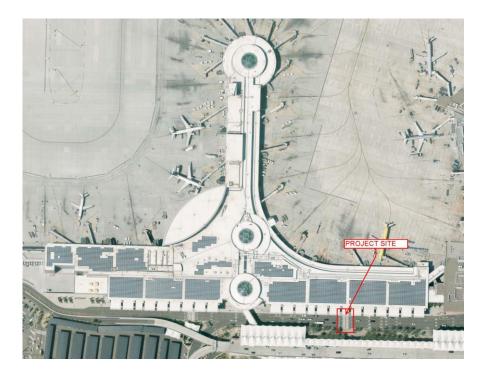
Name: T2W Crosswalk Improvements

Project Budget: \$1.1M Completion Date: TBD

Phase: Design

- Provide safety and aesthetic enhancements at the primary pedestrian crosswalk
- ➤ 100% design completed





CIP#: 104276 (On Hold)

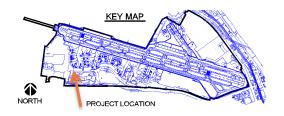
Name: Replace T2W Sidewalk - Phase 2

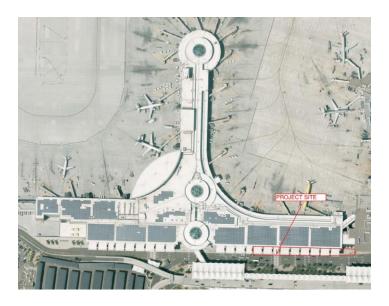
Project Budget: \$3.5M

Phase: Design

Completion Date: TBD

- 100% design completed
- Coordinate with CIP# 104265 T2W Crosswalk Improvements. The two projects will be bid and constructed under one contract





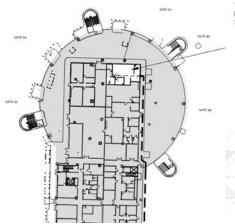
Remodel T2 for ACO and HPD Relocations

Project Budget: \$6.1M Current Phase: Design

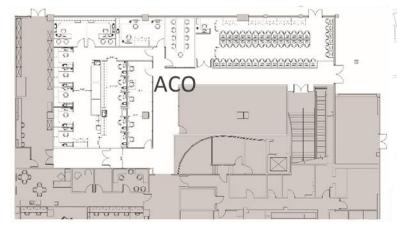
Construction Timeline: April to Oct 2021

Scope

Remodel T2 & relocate AOC & HPD & Lost & Found to Construct shell for TSA Breakroom T2E Relocate AODM to T2W at Gate 41 Repair Concrete Floor at T2W Bathroom



ACCESS CONTROL OFFICE,
LOST & FOUND,
HARBOR POLICE DEPARTMENT,
TRANSPORTATION SECURITY ADMINISTRATION,
MEDIA CENTER AND STORAGE,
SERVICEABILITY ISSUE







Name: ARFF Building HVAC Improvement

Project Budget: \$780k

Phase: Design

Construction Timeline: May to Dec 2021

Project Scope:

Replace existing ARFF roof-mounted HVAC package units



Name: Shuttle Lot Relocation

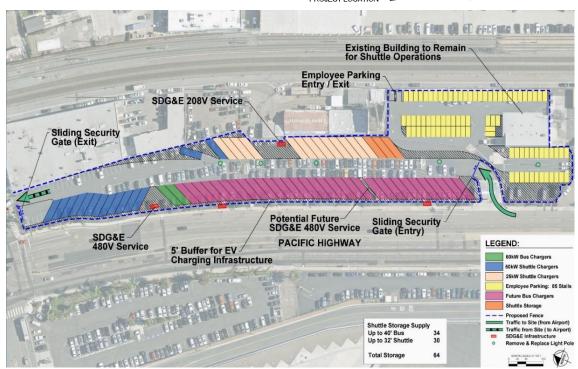
Project Budget: \$10.7M Project Phase: Design

Construction Timeline: April to Dec 2021

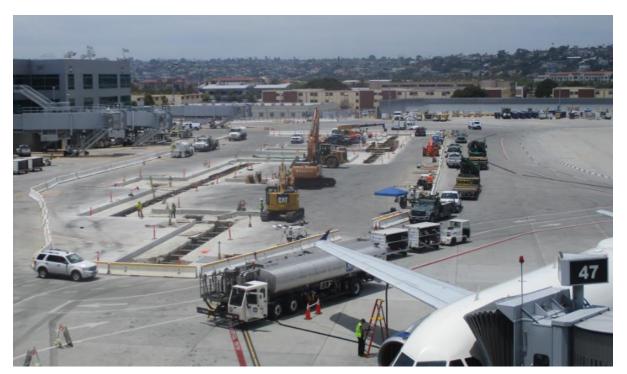
Current Status:

- Property Acquisition in process
- ➤ Schematic Design Sept 2020
- ➤ 60% Design October 2020
- ➤ 90% Design November 2020





Construction Phase





Name: Battery Energy Storage System (BESS)

Project Budget: \$641K Project Phase: Construction

Construction Completion: Dec 2020



Construction began in January 2020

- ➤ Battery Units installed in May 2020
- > SDGE Interconnection in Nov. 2020
- > System operational in Dec. 2020





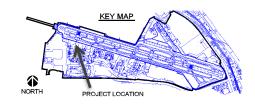
Name: Rehabilitate Apron Pavement

Project Budget: \$5.7M Phase: Construction

Construction Timeline: Jul 2020 to May 2021

Key Elements:

- Proposed repairs based on Terminal 2 East Apron condition assessment made in January 2020
- Rehab includes joint sealant removal and resealing and spall repair, crack repair, and grinding of concrete pavement
- FAA funded





Name: Upgrade Energy Mass Arresting System

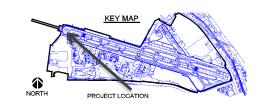
(EMAS)

Project Budget: \$15.6M Phase: Construction

Construction Timeline: Jul 2020 to May 2021

Key Elements:

- Remove existing EMAS at end of design life
- Replace with latest generation EMAS
- New system designed for updated aircraft fleet mix
- Authority procuring EMAS blocks directly from sole source manufacturer
- FAA funded



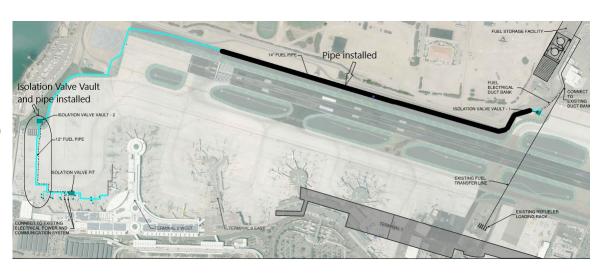


Name: Hydrant Fueling Infrastructure

Project Budget: \$50.5M Phase: Construction

Completion Date: November 2020

• Substantially completed on August 20, 2020



- 3600 LF of fuel pipe and 6400 LF of communication duct banks have been installed in the RSA
- 1000 LF of fuel pipe and 1000 LF of communication duct banks have been installed on the south side of the runway
- Isolation Valve Vault-2 (IVV-2) has been installed. The vault dimensions are 16' (length) x 17' (width) x 13' (height).
- Multiple gates have been closed to expedite the construction since airline activity has decreased.

Hydrant Fueling Infrastructure Project Photos



Power Screeding Low Strength Concrete



Filling Pipeline with Nitrogen for Testing



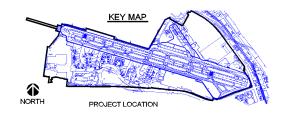
Installing High Point Vent Pit

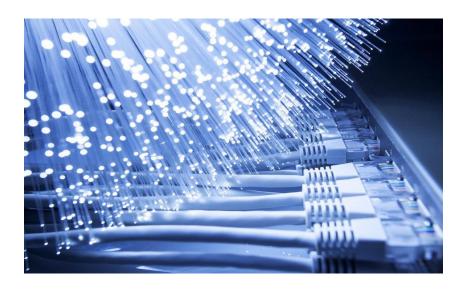
Name: AVSEC Network Redesign

Project Budget: \$13M Phase: Construction

Completion Date: September 2021

- ➤ New Network Design Complete
- Current Conditions Assessment Complete
- Procurement of Equipment is Complete
- Initial Build-Out of Network Core Started
- Project is on schedule





Name: SDIA Common Use

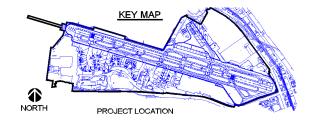
Project Budget: \$13.87M

Phase: Construction

Construction Completion: Dec 2021



- > SITA Server Installation Complete
- SITA/ Amadeus Integration Complete
- SITA Phase I Complete
- SITA Phase II In-Progress Target Completion September 2020
- ➢ BI − Data Insights Discovery (DID) working on BI Design
- > AWS Procurement in Progress
- Project is on schedule





CIP#: 104252 (On Hold)

Name: Northside Utility Infrastructure - Cargo

Development - Design Build

Approved Project Budget: \$8.65 M

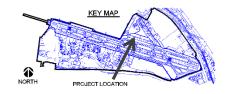
Phase: Design/Construction Completion Date: TBD



 Construction of new water line services completed to: ARFF, CRDC, Fuel Farm and ATC Tower.

2. FAA Equipment Relocation

 Relocation of existing RVR/SAWS placed On Hold





Name: Airport Support Facilities (ASF) Design-Build

Approved Project Budget: \$171.6 M

Completion: Dec 2020



Project Scope

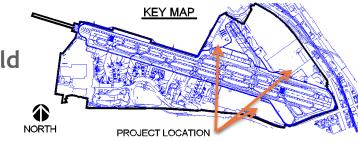
- Relocate Facilities Management Department (FMD) Campus
- Construct Storm Water Capture and Reuse Facilities, including a 3 MG Underground Concrete Storage Cistern & Infiltration Basins
- Relocate Airport Fueling Operations (AFO) Facility
- Relocate/Consolidate Airline Support Buildings & AOA Gate P-18

Anticipated Major Milestones

- FMD Campus Construction Substantially Completed, June 11, 2020
- AFO Building Construction Substantially Completed: July 20, 2020
- Storm Water Cistern Construction Substantially Completed: Sept 6, 2020
- ASB Base Building Construction Substantially Complete: Dec. 1, 2020

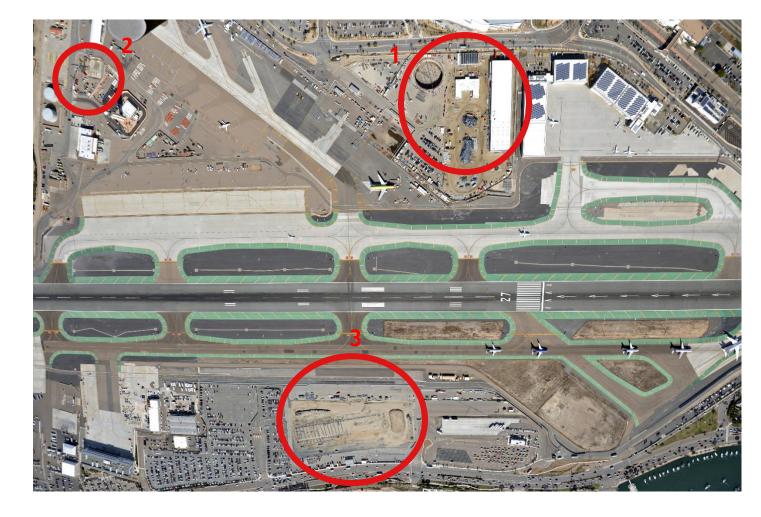
Project Status

- FMD Campus Project is Substantially Complete and received the
 Certificate of Occupancy from the City on 6/11. FMD staff has now moved
 into both their new Administration Building and the Shops and Warehouse
 building. The Procurement Department has also completed their move.
- Storm Water Storage Cistern Underground concrete tank is complete, work on the pump house, piping and controls is ongoing
- AFO Building is Substantially Complete as of 7/20, finishing truck parking
- ASB Building exterior is nearly complete, TI's scheduled to begin 12/1/20





- FMD Campus /
 Storm Water
 Storage Tanks
- 2. Airport Fueling Operations
- 3. Airline Support Building



FMD Campus and Underground Storm Water Cistern Construction Progress



FMD Administration Building



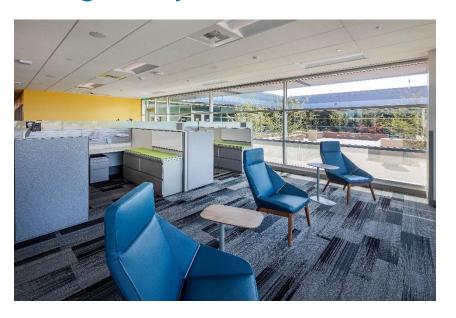
Entrance View



Courtyard View

FMD Administration Building Lobby





FMD Lobby

FMD Open Office Common Area

FMD Shops / Procurement Warehouse -Exterior Photos







FMD Shops / Procurement Warehouse -Interior Photos





3MG Underground Storm Water Cistern Construction Progress



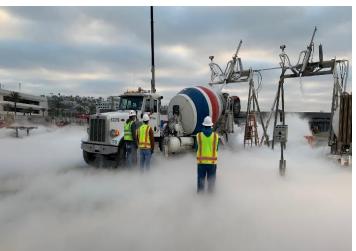
Construction progress as of January 2020



Construction progress as of October 2020

3MG Underground Storm Water Cistern Construction Progress

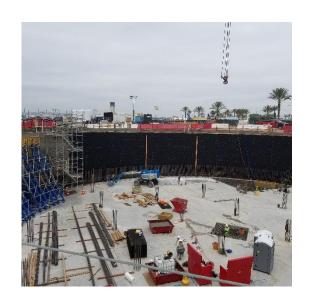




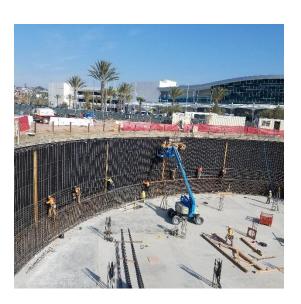


Liquid nitrogen being injected into concrete mixing trucks on site prior to placement

3MG Underground Storm Water Cistern Construction Progress



Ready to pour final section of the floor slab



Work begins on the wall forms prior to concrete pours



Tons (literally) of steel rebar being placed to allow concrete walls to withstand external pressure without cracking

Airport Fueling Operations Site



Airport Fueling Operations (AFO) Facility - Early Concept



Airport Fueling Operations (AFO) Facility



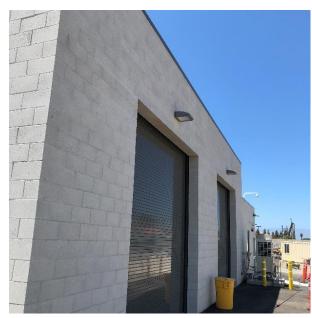




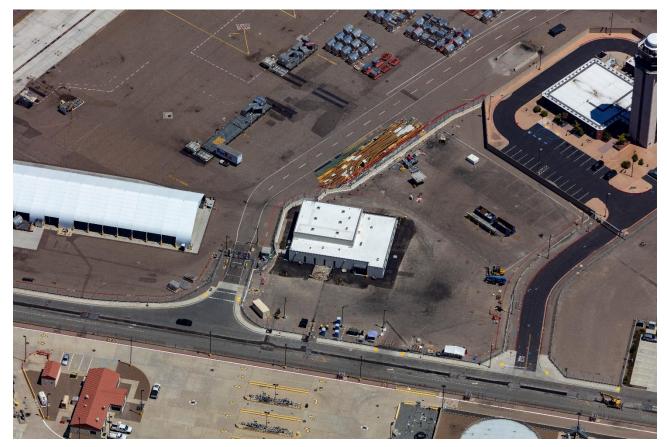
Airport Fueling Operations (AFO) Facility







Airport Fueling Operations (AFO) Facility Aerial View



Airline Support Building (ASB) - Early Concept



Airline Support Building (ASB) Construction Progress

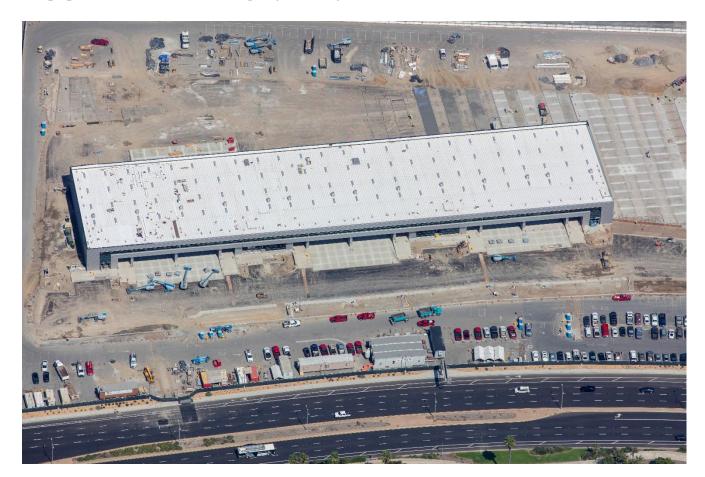


Construction progress as of March, 2020



Construction progress as of October, 2020

Airline Support Building (ASB)



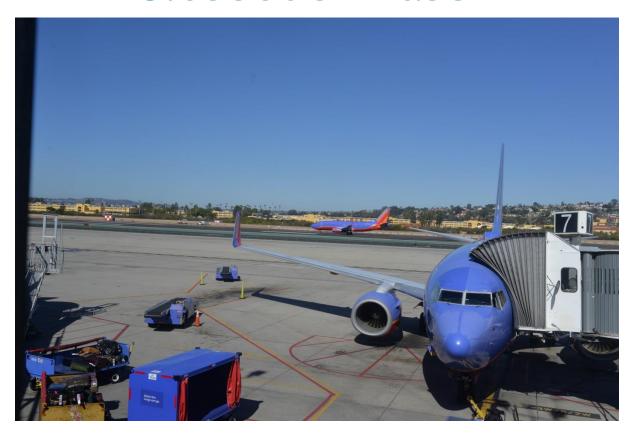
Airline Support Building (ASB)



Airport Support Facilities



Closeout Phase





CLOSEOUTS

1.	104168C	RCC Wayfinding Signage – City
2.	104226	Replace Sidewalk T2W – Phase 1

. 104229 HVAC Modernization in T2E & T2W

. 104235A Replace T1E Baggage Screening Equip. (SWA)

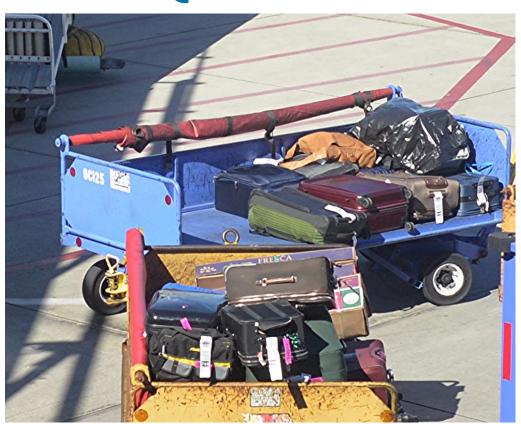
104233A Replace TTE Baggage Screening
104237 Airline Relocations at T1W & T2

104257 Rehabilitate Cross Taxiways C1, C2, C5 & D

104267 T2W DAS Cooling Room Upgrade

3. 104283 Taxiway Bravo Mill & Overlay

Questions?



MEET the PRIMES

www.SANMTP2020.Eventbrite.com







THANK YOU FOR YOUR PARTICIPATION

JOIN US ON OUR FINAL DAY OF MEET THE PRIMES SESSIONS

Wed., Nov. 4, 2020 Public Agencies & Business Support Services

10 a.m. - 11:30 a.m.

- Presentation from Procurement Technical Assistance Center (PTAC)
- Public Agency Panel featuring:
 - **❖** SANDAG
 - CALTRANS District 11
 - County of San Diego
 - North County Transit District
 - San Diego County Water Authority Port of San Diego
 - University of California San Diego

1 p.m. - 2 p.m.

- Presentation from San Diego & Imperial Valley Small Business Development Center (SBDC)
- Public Agency Panel featuring:
 - City of San Diego
 - San Diego Unified School District
 - U.S. Veteran Business
 Alliance
 (USVBA) San Diego Chapter
- Presentation from Business Incentive Credits