



SECTION 7.2 Terminal





**MAY 2008** 

# 7.2 Terminal

# 7.2.1 Program Methodology

The terminal facility requirements for the Airport Master Plan are determined by an analysis of the following: existing terminal plans, on-site observations, data from comparable airports, industry standards, and planning guidelines. To establish the existing service level baselines, existing terminal facilities were analyzed to determine the current planning factors. Planning factors are based on the design day airline schedule for July 2004. Every airport has unique operating characteristics requiring consideration when projecting future terminal requirements. A functional area may be undersized or oversized at one airport while it may operate efficiently at another. The baseline planning factors determined from the design day schedule are then compared to industry standards and other comparable airport planning factors to determine if deficiencies or excesses exist. These deficiencies or excesses are then reconciled with onsite observations to determine if they are providing acceptable Levels of Service (LOS) for the passengers and tenants of the facility. Depending on the result of this analysis, the current planning factor may be used in the projected facility requirements or may be adjusted if the LOS standards are not met.

# 7.2.2 Existing Terminal Areas and Planning Factors

At SDIA, the existing terminal buildings provide a varying range of service levels. The most recent addition, Terminal Two West, is expected to provide the highest LOS and planning factors to meet current industry standards. For this study, the existing terminal factors were determined by combining the facilities for all of the terminals to establish overall terminal factors. Future planning factors were determined by comparing the existing terminal factors to planning factors, which provide a high LOS, generally described as LOS B by the International Air Transport Association (IATA). LOS B is described as providing a high LOS, condition of stable flow with very few delays and a high level of comfort. The existing terminal factors are adjusted as required to obtain the higher service standards for both the 2015 and 2030 forecast program requirements. While the development of alternatives to meet the forecast demand, may not immediately replace older terminal facilities due to the costs, the forecast program requirements should clearly demonstrate any deficiencies existing in the current terminal facilities.

In **Table 7.2-1**, the functional components of the terminals are divided into the following categories: airline functions, concessions, federal inspection services (FIS), secure public area, non-secure public area, and non-public area. For each functional area, an "existing factor" is shown based on the existing facilities and passenger demand levels. If required, the planning factors have been modified to increase or decrease facility requirements based on the standards discussed above. These factors are shown in the Planning Factors column in **Table 7.2-1**.

#### **Existing Baseline Factors & Future Planning Factors**

Description	Demand Level	Existing Factor	LF/#	SF	Pla	anning Factor	Comments
Airline Functions		<b>v</b>				•	
Ticket Counter Area	2,527 PHOP	2.61 SF/PHOP	N/A	6,586	3.84	SF/PHOP	11' x LF of T/C
Ticket Counter Length	2,527 PHOP	0.30 LF/PHOP	765	N/A	0.35	LF/PHOP	Comparable Airports
Ticket Counter Queuing	2,527 PHOP	3.73 SF/PHOP	N/A	9,426	7.00	SF/PHOP	20' x LF T/C
Airline Ticket Office	2,527 PHOP	11.28 SF/PHOP	N/A	28,495	11.28	SF/PHOP	30' x LF of T/C
Baggage Claim Area	2,336 PHTP	21.85 SF/PHTP	N/A	51,040	19.00	SF/PHTP	Comparable Airports
Baggage Claim Frontage	2,336 PHTP	0.50 LF/PHTP	1,177	N/A	0.60	LF/PHTP	Comparable Airports
Baggage Claim Devices	2,336 PHTP	130.78 LF/Device	9	N/A	130	LF/Device	Comparable Airports
Baggage Service Office	2,336 PHTP	1.97 SF/PHTP	N/A	4,597	1.97	SF/PHTP	Existing Factor
Outbound Baggage	2,527 PHOP	19.79 SF/PHOP	N/A	50,010	19.79	SF/PHOP	65' x LF of T/C
Inbound Baggage	2,336 PHTP	11.68 SF/PHTP	N/A	27,278	11.68	SF/PHTP	50% of OB Baggage
Airline Operations	7,637,193 ANNEP	0.008 SF/ANNEP	N/A	61,035	0.008	SF/ANNEP	Existing Factor
Departures Lounges (Holdrooms)	39 Gates	2,636 SF/Gate	N/A	102,788	(See For	ecast Requirements)	Existing Factor
Clubrooms	7,637,193 ANNEP	0.0014 SF/ANNEP	N/A	10,957	0.0014	SF/ANNEP	Existing Factor
Concessions							
Concessions (Includes Storage)	7,637,193 ANNEP	0.0090 SF/ANNEP	N/A	68,914	0.0120	SF/ANNEP	Comparable Airports
Federal Inspection Services							
FIS (CIS, Claim, CBP, USDA)	125 PHTP-I	56.00 SF/ANNEP	N/A	7,000	85	SF/ANNEP	Existing Factor
Secure Public Area							
Passenger Screening Checkpoint	2,527 PHOP	140 PHOP/Lane	18	N/A	160	PHOP/Lane	Existing Factor
Passenger Screening Area	18 Lanes	567 SF/Lane	N/A	10.203	1.300	SF/Lane	Comparable Airports
Concourse Circulation	39 Gates	2,329 SF/Gate	N/A	90,825	3,000	SF/Gate	Comparable Airports
		_,, eate		,020	3,000		
Non-Secure Public Area							
Circulation - Ticketing	2,527 PHOP	6.54 SF/PHOP	N/A	16,526	10.50	SF/PHOP	30' x LF T/C
Circulation - Baggage Claim	2,336 PHTP	3.16 SF/PHTP	N/A	7,380	5.00	SF/PHTP	Comparable Airports
Circulation - General	7,637,193 ANNEP	0.007 SF/ANNEP	N/A	52,940	0.015	SF/ANNEP	Comparable Airports
JSO			N/A	6,520	(See For	ecast Requirements)	

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#### **Existing Baseline Factors & Future Planning Factors**

Description	Demand Level	Existing Factor	LF/#	SF	Pla	anning Factor	Comments
Non-Public Area							
ΓSA	2,527 PHOP	1.85 SF/PHOP	N/A	4,676	1.85	SF/PHOP	Existing Factor
SDCRAA	7,637,193 ANNEP	0.0009 SF/ANNEP	N/A	7,163	0.0009	SF/ANNEP	Existing Factor
Mech./Elec./Maint./Storage		7% % of T. Area	N/A	58,000	12%	% of T. Area	Comparable Airports
N/A = Not Applicable							
SF = Square Feet; LF = Linear F	eet						
SF = Square Feet; LF = Linear Fe PHOP = Peak Hour Originating F							
· · · · ·	Passengers (July 2004)						
PHOP = Peak Hour Originating F	Passengers (July 2004) Passengers (July 2004)	uly 2004)					
PHOP = Peak Hour Originating F PHTP = Peak Hour Terminating I	Passengers (July 2004) Passengers (July 2004) g International Passengers (Ju	uly 2004)					

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# Airline Functions

Airline functions include those areas directly related to airline operations and passenger processing, such as ticketing, departure lounges, baggage services, airline operations, and airline clubrooms.

The current ticketing areas for the terminals provide a total of 765 linear feet of ticket counter frontage, including counter area used for both agent positions and automated check-in machines. The ticket counter areas in Terminal One and Terminal Two East (the distance from the back wall to the face of the ticket counter) do not meet the current standard used in most domestic O/D facilities of 11 feet. For Terminal Two West and for all programmed requirements, 11 feet is designated. The Terminal Two West standard of 3.5 square feet per peak hour originating passenger (SF/PHOP) will also be used for future requirements. Similarly, the existing ticket counter queuing area is less than optimal due to the Terminal One and Terminal Two East conditions. To provide a high LOS standard, a 20-foot queuing depth should be planned to achieve a planning factor of 7.0 SF/PHOP. The current airline ticket office (ATO) area is an above-standard area based on the length of the ticket counter and a 30-foot-deep ATO. The current 11.28 SF/PHOP would be retained to reflect local conditions. Airline clubrooms are projected to increase at the current level of 0.0014 square feet per annual enplaning passenger (SF/ANNEP).

The baggage claim area for the terminals is currently larger than required since the area was provided in Terminal Two West for an additional two claim devices. The existing planning factor of 21.85 square feet per peak hour terminating passenger (SF/PHTP) has been reduced to 19.0 SF/PHTP (IATA LOS B) to reflect this provision. The existing nine claim devices provide an average of 130 linear feet per device. This maintained for future claim devices. The current 1.97 SF/PHTP factor for baggage service offices is also maintained for future facilities. The existing planning factors for outbound and inbound baggage are also maintained for future facilities.

The existing airline operations area planning factor of 0.008 SF/ANNEP is maintained for future requirements. Currently, the 41 operating gates at SDIA provide an average of 2,636 square feet per gate. Future requirements are based on the projected fleet mix to determine boarding gate requirements.

# **Concessions**

Determination of the size of concessions is influenced by a variety of specific factors at airports. For this study, the standard of using a specific square footage per enplaned passenger consistent with larger origin/destination (O/D) markets such as San Diego.

Further analysis is warranted as part of these requirements and will be developed based on current data and study of concessions recently prepared by the Authority.

The current planning factor of 0.009 SF/ANNEP is increased to 0.012 to reflect standards for comparable airports and the general increase in the area requirements for concessions at passenger terminals.

Market analysis has not been done specific to San Diego in the development of overall concession requirements for the facilities. It is recommended that specific alternatives proposed for meeting demand consider concessions that respond to a wide demographic of income level and passenger profiles.

In general, SDIA is well below the industry standard for acceptable levels of concessions per enplaned passenger.

#### Federal Inspection Services (FIS)

The facilities provided for the federal inspection of arriving international passengers include: Customs and Immigration Services (CIS), baggage claim, Customs and Border Patrol (CBP), United States Department of Agriculture (USDA). Currently, the FIS facilities at SDIA process a peak hour passenger level of 125 passengers. The existing 7,000 square feet for the FIS facility is smaller than comparable airports.

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Future requirements will be based on 85 square feet per peak hour international terminating passenger. This provides comparable airport standards.

# Secure Public Area

Secured public areas include the security screening checkpoints (SSCP), secure circulation, and public restrooms. Currently, the 18 SSCP lanes at SDIA process approximately 140 passengers per hour based on peak hour demand. Since four SSCP locations are provided in the terminals and the peak demand is not spread evenly through the terminals, the SSCP throughput is increased to 160 passengers per hour for the future requirements. This level is similar to comparable airports. The security area is insufficient by TSA standards. This is expected since SDIA, like most other airports, have been required to squeeze greater SSCP requirements into limited terminal area. The future requirements will reflect a larger 1,300 square feet per security lane. Currently, concourse circulation is inadequate at both Terminal One and Terminal Two East, and the current factor of 2,329 square feet per gate has been increased to 3,000 square feet per gate to reflect improvements in passenger circulation.

# Non-Secure Public Area

The non-secured public areas include circulation in the ticketing lobby and baggage claim lobby as well as general circulation such as entrance lobbies, fire stairs, vestibules, escalators, and elevators. The United Services Organization (USO) is also included in the non-secure public area. The existing planning factors for circulation at ticketing, baggage claim and for general circulation are increased to reflect new facilities that meet the standards of Terminal Two West. The USO is assumed to remain the same size throughout the forecast years.

### Non-Public Area

Non-public areas include private office space for the Authority, the TSA and building support spaces such as mechanical rooms, loading docks, maintenance, and storage. For both the TSA and the Authority offices, the current planning factors based on passenger demand will be used to program these areas for the forecast requirements. Currently, mechanical, electrical, maintenance and storage facilities comprise about seven percent of the total terminal area. Typically, these areas are programmed at 12 percent of the terminal area. Future facilities will be programmed at 12 percent to allow for unidentified support areas.

# 7.2.3 Existing Level of Service (LOS)

**Table 7.2-2** provides an analysis of the excesses and deficiencies of the current overall terminal facilities if high LOS factors were applied to the existing demand levels. The applied factors are the same as the planning factors for the 2015 and 2030 facility program requirements. Most existing passenger processing facilities currently are deficient when these standards are applied. Overall, the SDIA terminals are approximately 165,500 square feet deficient in area to provide a high LOS.

# 7.2.4 <u>Passenger Terminal Facility Requirements - 2015 High</u> <u>Constrained Forecast</u>

The passenger terminal facility requirements projected for the 2015 high constrained forecast are shown in **Table 7.2-3**. The requirements are based on the planning factors discussed in Section 7.2.2, Existing Terminal Areas and Planning Factors.

#### Existing Level of Service

							Required	Existing Excess/(Deficiency)	
Description	Demand Level	Existin	g Factor	LF/#	SF	Planning Factor	2004	Units	%
Airline Functions									
Ticket Counter Area	2,527 PHOP	2.61	SF/PHOP	N/A	6,586	3.84 SF/PHOP	9,704	(3,118)	68%
Ticket Counter Length	2,527 PHOP	0.30	LF/PHOP	765	N/A	0.35 LF/PHOP	884	(119)	0%
Ticket Counter Queuing	2,527 PHOP	3.73	SF/PHOP	N/A	9,426	7.00 SF/PHOP	17,689	(8,263)	53%
Airline Ticket Office	2,527 PHOP	11.28	SF/PHOP	N/A	28,495	11.28 SF/PHOP	28,495	Ó	100%
Baggage Claim Area	2,336 PHTP	21.85	SF/PHTP	N/A	51,040	19.00 SF/PHTP	44,384	6,656	115%
Baggage Claim Frontage	2,336 PHTP	0.50	LF/PHTP	1,177	N/A	0.60 LF/PHTP	1,402	(225)	0%
Baggage Claim Devices	2,336 PHTP	130.78	LF/Device	9	N/A	130 LF/Device	156	(25)	0%
Baggage Service Office	2,336 PHTP	1.97	SF/PHTP	N/A	4,597	1.97 SF/PHTP	4,597	0	100%
Outbound Baggage	2,527 PHOP	19.79	SF/PHOP	N/A	50,010	19.79 SF/PHOP	50,010	0	100%
Inbound Baggage	2,336 PHTP	11.68	SF/PHTP	N/A	27,278	11.68 SF/PHTP	27,278	0	100%
Airline Operations	7,637,193 ANNEP	0.008	SF/ANNEP	N/A	61,035	0.01 SF/ANNEP	61,035	0	100%
Departures Lounges (Holdrooms)	39 Gates	2,636	SF/Gate	N/A	102,788	2,190 SF/Gate	89,700	13,088	115%
Clubrooms	7,637,193 ANNEP	0.0014	SF/ANNEP	N/A	10,957	0.0014 SF/ANNEP	10,957	0	100%
Concessions									
Concessions (Includes Storage)	7,637,193 ANNEP	0.0090	SF/ANNEP	N/A	68,914	0.0120 SF/ANNEP	91,646	(22,732)	75%
Federal Inspection Services									
FIS (CIS, Claim, CBP, USDA)	125 PHTP-I	56.00	SF/ANNEP	N/A	7,000	80.00 SF/ANNEP	10,000	(3,000)	70%
Secure Public Area									
Passenger Screening Checkpoint	2,527 PHOP	140	PHOP/Lane	18	N/A	140 PHOP/Lane	18	(0)	0%
Passenger Screening Area	18 Lanes	567	SF/Lane	N/A	10,203	1,300 SF/Lane	23,465	(13,262)	43%
Concourse Circulation	39 Gates	2,329	SF/Gate	N/A	90,825	3,000 SF/Gate	117,000	(26,175)	78%
Non-Secure Public Area									
Circulation - Ticketing	2,527 PHOP	6.54	SF/PHOP	N/A	16,526	10.50 SF/PHOP	26,534	(10,008)	62%
Circulation - Baggage Claim	2,336 PHTP	3.16	SF/PHTP	N/A	7,380	5.00 SF/PHTP	11,680	(4,300)	63%
Circulation - General	7,637,193 ANNEP	0.007	SF/ANNEP	N/A	52,940	0.015 SF/ANNEP	114,558	(61,618)	46%
USO				N/A	6,520		6,520	0	100%
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#### **Existing Level of Service**

								Existing Excess/(De	(Deficiency)
Description	Demand Level	Existin	g Factor	LF/#	SF	Planning Factor	Required 2004	Units	%
Non-Public Area									
TSA	2,527 PHOP	1.85	SF/PHOP	N/A	4,676	1.85 SF/PHOP	4,676	0	100%
SDCRAA	7,637,193 ANNEP	0.0009	SF/ANNEP	N/A	7,163	0.0009 SF/ANNEP	7,163	0	100%
Mech./Elec./Maint./Storage		7%	% of T. Area	N/A	58,000	12% % of T. Area	90,851	(32,851)	64%
Total					682,359		847,941	(165,582)	80%
N/A = Not Applicable SF = Square Feet; LF = Linear F PHOP = Peak Hour Originating PHTP = Peak Hour Terminating PHTP-I = Peak Hour Terminatin PHP = Peak Hour Passengers ( ANNEP = Annual Enplaning Pas	Passengers (July 2004) Passengers (July 2004) g International Passengers (J July 2004)	luly 2004)							
Source: HNTB analysis									

Airline Functions	Description	Demand Level	Planning Factor	or LF/#	SF
Ticket Counter Length   2/931   PHOP   0.35   LF/PHOP   1,026   N/A     Ticket Counter Queuing   2,931   PHOP   7.00   SF/PHOP   N/A   20,517     Baggage Claim Frontage   2,931   PHOP   11.28   SF/PHOP   N/A   30,662     Baggage Claim Frontage   3,158   PHTP   19.00   SF/PHTP   N/A   60,002     Baggage Claim Frontage   3,158   PHTP   130   SF/PHOP   N/A   60,002     Baggage Claim Foritage   2,931   PHOP   19.79   SF/PHOP   N/A   58,004     Dubound Baggage   2,931   PHOP   9.00   SF/PHOP   N/A   29,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHOP   N/A   22,605     Wide-body   10   Gates   3,500   SF/gate   N/A   35,000     Perioderul Aside   5   Gates   1,700   SF/gate   N/A   47,500     Narrow-body   3   Gates   1,700   SF/g	Airline Functions				
Ticket Counter Queuing 2.331 PHOP 7.00 SF/PHOP NA 20.517   Airline Ticket Office 2.931 PHOP 11.28 SF/PHOP N/A 33.062   Baggage Claim Area 3.158 PHTP 19.00 SF/PHTP N/A 60.002   Baggage Claim Devices 3.158 PHTP 1.90 SF/PHOP N/A 60.002   Baggage Claim Devices 3.158 PHTP 1.97 SF/PHOP N/A 62.21   Outbound Baggage 2.931 PHOP 9.90 SF/PHOP N/A 62.21   Outbound Baggage 3.158 PHTP 1.128 SF/PHOP N/A 62.21   Outbound Baggage 3.158 PHTP 1.188 SF/PHTP N/A 68.85   Airline Operations 11.403.004 ANNEP 0.008 SF/ANNEP N/A 12.2650   Wide-body 10 Gates 3.50 SF/gate N/A 11.250   Narrow-body 3 Gates 2.050 SF/gate N/A 8.750   Turboprop 0 Gates 9.50 SF/gate N/A 8.750   Turboprop 0 Gates 9.50 SF/gate N/A 15.64   Subtotal Arrine Functions 11.403.004 ANNEP 0.0120 SF/ANNEP N/A	Ticket Counter Area	2,931 PHOP	11.00 SF/LF T/	/C N/A	11,284
Airline Ticket Office 2,931 PHOP 11.28 SF/PHOP N/A 33,062   Baggage Claim Area 3,158 PHTP 19.00 SF/PHTP N/A   Baggage Claim Frontage 3,158 PHTP 130 LF/Device 12 N/A   Baggage Science Office 3,158 PHTP 130 LF/Device 12 N/A   Baggage Science Office 3,158 PHTP 19.00 SF/PHOP N/A 66,201   Outbound Baggage 2,931 PHOP 19.79 SF/PHOP N/A 29,002   Inbound Baggage 3,158 PHTP 11.86 SF/PHTP N/A 29,002   Inbound Baggage 3,158 PHTP 11.86 SF/PHOP N/A 42,2650   Vide-body 10 Gates 3,500 SF/gate N/A 91,224   Departures Lounges (Holdrooms) 53 Gates 2,250 SF/gate N/A 11,250   Narrow-body 33 Gates 2,050 SF/gate N/A 4,6760   Regional 5 Gates 1,750 SF/gate <td></td> <td>2,931 PHOP</td> <td>0.35 LF/PHO</td> <td>P 1,026</td> <td>N/A</td>		2,931 PHOP	0.35 LF/PHO	P 1,026	N/A
Baggage Claim Area   3,158   PHTP   19,00   SF/PHTP   N/A   60,002     Baggage Claim Frontage   3,158   PHTP   0.60   LF/PHTP   1,579   N/A     Baggage Claim Devices   3,158   PHTP   130   Er/PHTP   N/A   6,221     Dutbound Baggage   2,931   PHOP   19,79   SF/PHOP   N/A   6,221     Inbound Baggage   3,158   PHTP   1.168   SF/PHOP   N/A   6,221     Inbound Baggage   3,158   PHTP   1.168   SF/PHOP   N/A   29,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHOP   N/A   29,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHOP   N/A   36,885     Mirine Operations   11,403,004   ANNEP   0.008   SF/ANNEP   N/A   11,250     Marcow-body   33   Gates   1,750   SF/gate   N/A   6,635     Concessions   11,403,004   ANNEP   0.0114   SF/ANNE	Ticket Counter Queuing	2,931 PHOP	7.00 SF/PHO	P N/A	20,517
Baggage Claim Frontage 3,158 PHTP 0.60 LF/PHTP 1,579 N/A   Baggage Claim Devices 3,158 PHTP 1.97 SF/PHTP N/A 6,221   Outbound Baggage 2,931 PHOP 19,79 SF/PHOP N/A 6,221   Outbound Baggage 2,931 PHOP 19,79 SF/PHOP N/A 28,002   Inbound Baggage 3,158 PHTP 11.68 SF/PHOP N/A 29,002   Inbound Baggage 3,158 PHTP 11.68 SF/PHOP N/A 29,002   Inbound Baggage 11.403,004 ANNEP 0.008 SF/ANNEP N/A 122,650   Wide-body 10 Gates 2,500 SF/gate N/A 11,250   Narrow-body 33 Gates 2,050 SF/gate N/A 67,500   Regional 5 Gates 9,500 SF/gate N/A 67,500   Regional 5 Gates 9,500 SF/gate N/A 6,635   Subtotal Airline Functions 11,403,004 ANNEP 0.0120<		2,931 PHOP	11.28 SF/PHO	P N/A	33,062
Baggage Claim Devices   3,158   PHTP   130   LF/Device   12   N/A     Baggage Service Office   3,158   PHTP   1.97   SF/PHOP   N/A   6,221     Outbound Baggage   2,931   PHOP   19,79   SF/PHOP   N/A   58,004     EDS In-Line Screening Area   2,931   PHOP   9,90   SF/PHOP   N/A   58,004     Inbound Baggage   3,158   PHTP   11,68   SF/PHOP   N/A   58,004     Inbound Baggage   3,158   PHTP   11,68   SF/PHOP   N/A   36,085     Airline Operations   11,403,004   ANNEP   0.008   SF/ANNEP   N/A   91,224     Departures Lounges (Holdrooms)   53   Gates   3,500   SF/gate   N/A   41,250     Narrow-body   13   Gates   1,500   SF/gate   N/A   8,750     Turboprop   0   Gates   9,50   SF/gate   N/A   15,964     Subtotal Airline Functions   11,403,004   ANNEP   0.01		3,158 PHTP	19.00 SF/PHTI	P N/A	60,002
Baggage Service Office   3,158   PHTP   1.97   SF/PHDP   N/A   6,221     Outbound Baggage   2,931   PHOP   19,79   SF/PHOP   N/A   58,004     EDS In-Line Screening Area   2,931   PHOP   9,90   SF/PHOP   N/A   28,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHDP   N/A   36,804     Departures Lounges (Holdrooms)   53   Gates   3,500   SF/gate   N/A   122,650     Wide-body   10   Gates   2,200   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,205   SF/gate   N/A   67,650     Turboprop   0   Gates   950   SF/gate   N/A   67,650     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   41,600     Subtotal FIS   520   PHTP-I   80.00		,		) -   -	
Outbound Baggage   2.931   PHOP   19.79   SF/PHOP   N/A   58,004     EDS In-Line Screening Area   2,931   PHOP   9.90   SF/PHOP   N/A   29,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHTP   N/A   36,885     Airline Operations   11,403,004   ANNEP   0.008   SF/ANNEP   N/A   91,224     Depatures Lounges (Holdrooms)   53   Gates   3,500   SF/gate   N/A   122,650     Wide-body   10   Gates   2,050   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,050   SF/gate   N/A   8,750     Turboprop   0   Gates   9,50   SF/gate   N/A   8,750     Clubrooms   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   115,005,104   S0,000	Baggage Claim Devices				
EDS In-Line Screening Area   2,931   PHOP   9.00   SF/PHOP   N/A   29,002     Inbound Baggage   3,158   PHTP   11.68   SF/PHTP   N/A   36,885     Arrine Operations   11,403,004   ANNEP   0.08   SF/ANNEP   N/A   122,850     Departures Lounges (Holdrooms)   53   Gates   3,500   SF/gate   N/A   122,850     Wide-body   10   Gates   2,250   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,050   SF/gate   N/A   67,650     Regional   5   Gates   1,750   SF/gate   N/A   67,650     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   15,864     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   41,600     Subtotal FIS   520   PHTP-I		3,158 PHTP	1.97 SF/PHTI	P N/A	6,221
Inbound Baggage   3,158   PHTP   11.68   SF/PHTP   N/A   36,885     Airline Operations   11,403,004   ANNEP   0.008   SF/ANNEP   N/A   91,224     Departures Lounges (Holdrooms)   53   Gates   N/A   122,650   Wide-body   N/A   122,650     Wide-body   5   Gates   2,250   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,050   SF/gate   N/A   8,750     Turboprop   0   Gates   950   SF/gate   N/A   0     Clubrooms   11,403,004   ANNEP   0.014   SF/ANNEP   N/A   136,836     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   2,931   PHOP   160   PHOP/Lane   20   N/A     Passenger Screening Checkpoints </td <td></td> <td>,</td> <td></td> <td></td> <td>58,004</td>		,			58,004
Airline Operations   11,403,004   ANNEP   0.008   SF/ANNEP   N/A   91,224     Departures Lounges (Holdrooms)   53   Gates   3,500   SF/gate   N/A   122,650     Wide-body   10   Gates   3,500   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,250   SF/gate   N/A   67,650     Regional   5   Gates   1,750   SF/gate   N/A   8,750     Turboprop   0   Gates   950   SF/gate   N/A   8,750     Subtotal Airline Functions   11,403,004   ANNEP   0.0014   SF/ANNEP   N/A   484,817     Concessions   Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   416,600     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   41,600     Subtotal FIS   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   2,931   PHOP	EDS In-Line Screening Area	2,931 PHOP	9.90 SF/PHO	P N/A	29,002
Departures Lounges (Holdrooms)   53 Gates   N/A   122,650     Wide-body   10 Gates   3,500 SF/gate   N/A   35,000     B757-200   5 Gates   2,250 SF/gate   N/A   41,250     Narrow-body   33 Gates   2,050 SF/gate   N/A   67,650     Regional   5 Gates   1,750 SF/gate   N/A   8,750     Turboprop   0 Gates   950 SF/gate   N/A   8,750     Cubrooms   11,403,004 ANNEP   0.0014 SF/ANNEP   N/A   15,964     Subtotal Airline Functions   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   136,836     Concessions   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   14,600     Subtotal FIS   Sign PHTP-I   80.00 SF/PHOPI   N/A   41,600   41,600     Subtotal FIS   Sign PHOP   160 PHOP/Lane   20 N/A   N/A   19,905     Other   11,403,004 ANNEP   0.00 SF/PHOP   N/A   19,905   0		,			,
Wide-body   10   Gates   3,500   SF/gate   N/A   35,000     B757-200   5   Gates   2,250   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,050   SF/gate   N/A   67,650     Regional   5   Gates   1,750   SF/gate   N/A   8,750     Turboprop   0   Gates   950   SF/gate   N/A   0     Clubrooms   11,403,004   ANNEP   0.0014   SF/ANNEP   N/A   15,964     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Concessions   Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Secure Public Area   19   Lanes   1,300   SF/Gate   N/A   15,000     Restrooms   6,635   PHP			0.008 SF/ANN		,
B757-200   5   Gates   2,250   SF/gate   N/A   11,250     Narrow-body   33   Gates   2,050   SF/gate   N/A   67,650     Regional   5   Gates   1,750   SF/gate   N/A   67,650     Turboprop   0   Gates   950   SF/gate   N/A   8,750     Clubrooms   11,403,004   ANNEP   0.0014   SF/ANNEP   N/A   15,964     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Concessions   0,635   PHP   160   PHOP/Lane   20   N/A     Passenger Screening Area   19					,
Narrow-body Regional   33 5 Gates   2,050 1 Gates   SF/gate   N/A   67,650 8,750     Regional   5 Gates   1,750   SF/gate   N/A   8,750     Turboprop   0 Gates   950   SF/gate   N/A   8,750     Clubrooms   11,403,004   ANNEP   0.0014   SF/ANNEP   N/A   484,817     Concessions   Concessions   Concessions   Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   Secure Public Area   20   N/A   41,600     Passenger Screening Checkpoints   2,931   PHOP   160   PHOP/Lane   20   N/A     Passenger Screening Area   19   Lanes   1,300   SF/Lane   N/A   24,700     Concourse Circulation   53   Gates   3,000   SF/PHP   N/A   19,905     Other   11,403,004<	<b>,</b>				,
Regional Turboprop   5 Gates   1,750   SF/gate   N/A   8,750     Turboprop   0 Gates   950   SF/gate   N/A   0     Clubrooms   11,403,004   ANNEP   0.0014   SF/ANNEP   N/A   484,817     Concessions   Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Secure Public Area   Passenger Screening Checkpoints   2,931   PHOP   160   PHOP/Lane   20   N/A     Passenger Screening Area   19   Lanes   1,300   SF/Lane   N/A   141,600     Restrooms   6,635   PHP   3.00   SF/Cate   N/A   141,600     Restrooms   6,635   PHP   3.00   SF/Cane   N/A   141,403     Other					
Turboprop   0 Gates   950 SF/gate   N/A   0     Clubrooms   11,403,004 ANNEP   0.0014 SF/ANNEP   N/A   15,964     Subtotal Airline Functions   11,403,004 ANNEP   0.0110 SF/ANNEP   N/A   15,964     Concessions   Concessions (Includes Storage)   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   136,836     Federal Inspection Services   FIS (CIS, Claim, CBP, USDA)   520 PHTP-I   80.00 SF/PHOPI   N/A   41,600     Subtotal FIS   Secure Public Area   20   N/A   41,600     Passenger Screening Checkpoints   2,931 PHOP   160 PHOP/Lane   20 N/A     Passenger Screening Area   19 Lanes   1,300 SF/Lane   N/A   159,000     Restrooms   6,635 PHP   3.00 SF/PHP   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   215,008   215,008   215,008     Non-Secure Public Area   3,158 PHTP </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Clubrooms   11,403,004   ANNEP   0.0014   SFÅNNEP   N/A   15,964     Subtotal Airline Functions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Concessions Concessions   11,403,004   ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Secure Public Area Passenger Screening Checkpoints   2,931   PHOP   160   PHOP/Lane   20   N/A     Passenger Screening Area Concourse Circulation   53   Gates   3,000   SF/Cate   N/A   14,9905     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403     Non-Secure Public Area   11,403,004   ANNEP   0.0010   SF/PHOP   N/A   11,403     Non-Secure Public Area   2931   PHOP   10.50   SF/PHOP   N/A   11,403     Non-Secure Public Area   2931   PHOP   10.50   SF/PHOP   N/A   11	5				,
Subtotal Airline Functions   484,817     Concessions Concessions (Includes Storage)   11,403,004 ANNEP   0.0120   SF/ANNEP   N/A   136,836     Subtotal Concessions   11,403,004 ANNEP   0.0120   SF/ANNEP   N/A   136,836     Federal Inspection Services FIS (CIS, Claim, CBP, USDA)   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   520   PHTP-I   80.00   SF/PHOPI   N/A   41,600     Secure Public Area Passenger Screening Area   19   Lanes   1,300   SF/Lane   N/A   24,700     Concourse Circulation   53   Gates   3,000   SF/Gate   N/A   19,905     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   19,905     Non-Secure Public Area   Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   11,403     Non-Secure Public Area   Circulation - Ticketing   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,0					-
Concessions Concessions11,403,004 ANNEP0.0120SF/ANNEPN/A136,836Subtotal Concessions11,403,004 ANNEP0.0120SF/ANNEPN/A136,836Federal Inspection Services FIS (CIS, Claim, CBP, USDA)520PHTP-I80.00SF/PHOPIN/A41,600Subtotal FIS520PHTP-I80.00SF/PHOPIN/A41,600Secure Public Area Passenger Screening Area19Lanes1,300SF/LaneN/A24,700Ocncourse Circulation53Gates3,000SF/PHPN/A19,905Other11,403,004 ANNEP0.0010SF/ANNEPN/A11,403Subtotal Secure Public Area2,931PHOP10.50SF/PHPN/A11,403Other11,403,004 ANNEP0.0010SF/ANNEPN/A11,403215,008Non-Secure Public Area2,931PHOP10.50SF/PHOPN/A30,776Circulation - Ticketing2,931PHOP10.50SF/PHOPN/A11,403Oriculation - Sagage Claim3,158PHTP5.00SF/PHTPN/A15,790Circulation - General11,403,004ANNEP2.00SF/PHPN/A13,270USO000.0010SF/NNEPN/A11,403Other11,403,004ANNEP0.0010SF/ANNEPN/A11,403Other11,403,004ANNEP0.0010SF/ANNEPN/A11,403Other0.0010SF/PHP <th< td=""><td></td><td>11,403,004 ANNEP</td><td>0.0014 SF/ANN</td><td>EP N/A</td><td>-</td></th<>		11,403,004 ANNEP	0.0014 SF/ANN	EP N/A	-
Concessions (Includes Storage)   11,403,004 ANNEP   0.0120 SF/ANNEP   N/A   136,836     Subtotal Concessions   Federal Inspection Services   136,836   136,836     Fils (CIS, Claim, CBP, USDA)   520 PHTP-I   80.00 SF/PHOPI   N/A   41,600     Subtotal FIS   Secure Public Area   2,931 PHOP   160 PHOP/Lane   20 N/A     Passenger Screening Checkpoints   2,931 PHOP   160 PHOP/Lane   N/A   24,700     Concourse Circulation   53 Gates   3,000 SF/Lane   N/A   159,000     Restrooms   6,635 PHP   3.00 SF/PHP   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   2931 PHOP   10.50 SF/PHOP   N/A   11,403     Non-Secure Public Area   215,008   215,008   215,008   215,008     Non-Secure Public Area   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   15,790     Circulation - General   11,403,004 ANNEP	Subtotal Airline Functions				484,817
Subtotal Concessions   136,836     Federal Inspection Services FIS (CIS, Claim, CBP, USDA)   520 PHTP-I   80.00 SF/PHOPI   N/A   41,600 41,600     Subtotal FIS   Secure Public Area Passenger Screening Checkpoints   2,931 PHOP   160 PHOP/Lane   20 N/A     Passenger Screening Area   19 Lanes   1,300 SF/Lane   N/A   24,700     Concourse Circulation   53 Gates   3,000 SF/Gate   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   2,931 PHOP   10.50 SF/PHOP   N/A   11,403     Non-Secure Public Area   2,931 PHOP   10.50 SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   15,790     Ocirculation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms   6,635 PHP   2.00 SF/PHP   N/A   13,270     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   13,270     Other   11,403,004 ANNEP   0.0010 SF/ANNEP					
Federal Inspection Services FIS (CIS, Claim, CBP, USDA)   520 PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   200   SF/PHOPI   N/A   41,600   41,600     Secure Public Area Passenger Screening Checkpoints   2,931 PHOP   160 PHOP/Lane   20   N/A     Passenger Screening Area   19 Lanes   1,300 SF/Lane   N/A   24,700     Concourse Circulation   53 Gates   3,000 SF/Gate   N/A   159,000     Restrooms   6,635 PHP   3.00 SF/PHP   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   2   215,008   215,008     Non-Secure Public Area   2   3,158 PHTP   5.00 SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   15,790     Circulation - Saggage Claim   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms	Concessions (Includes Storage)	11,403,004 ANNEP	0.0120 SF/ANN	EP N/A	136,836
FIS (CIS, Claim, CBP, USDA)   520 PHTP-I   80.00   SF/PHOPI   N/A   41,600     Subtotal FIS   Secure Public Area   41,600   41,600   41,600     Secure Public Area   Passenger Screening Checkpoints   2,931 PHOP   160 PHOP/Lane   20   N/A     Passenger Screening Area   19 Lanes   1,300 SF/Lane   N/A   24,700     Concourse Circulation   53 Gates   3,000 SF/Gate   N/A   159,000     Restrooms   6,635 PHP   3.00 SF/PHP   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   Z15,008   Z15,008   Z15,008     Non-Secure Public Area   2,931 PHOP   10.50 SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   15,790     Circulation - Baggage Claim   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms   6,635 PHP	Subtotal Concessions				136,836
Subtotal FIS41,600Secure Public AreaPassenger Screening Checkpoints2,931 PHOP160 PHOP/Lane20N/APassenger Screening Area19 Lanes1,300 SF/LaneN/A24,700Concourse Circulation53 Gates3,000 SF/GateN/A159,000Restrooms6,635 PHP3.00 SF/PHPN/A19,905Other11,403,004 ANNEP0.0010 SF/ANNEPN/A11,403Subtotal Secure Public Area215,008215,008215,008Non-Secure Public Area215,00811,403,004 ANNEP0.015 Of Total SFN/ACirculation - Ticketing2,931 PHOP10.50 SF/PHOPN/A15,790Circulation - Baggage Claim3,158 PHTP5.00 SF/PHTPN/A15,790Circulation - General11,403,004 ANNEP0.015 Of Total SFN/A171,045Restrooms6,635 PHP2.00 SF/PHPN/A13,270USON/A6,520N/A11,403Other11,403,004 ANNEP0.0010 SF/ANNEPN/A11,403					
Secure Public AreaPassenger Screening Checkpoints2,931PHOP160PHOP/Lane20N/APassenger Screening Area19Lanes1,300SF/LaneN/A24,700Concourse Circulation53Gates3,000SF/GateN/A159,000Restrooms6,635PHP3.00SF/PHPN/A19,905Other11,403,004ANNEP0.0010SF/ANNEPN/A11,403Subtotal Secure Public AreaCirculation - Ticketing2,931PHOP10.50SF/PHOPN/A30,776Circulation - Ticketing2,931PHOP10.50SF/PHOPN/A30,776Circulation - Ticketing2,931PHOP10.50SF/PHOPN/A15,790Circulation - General3,158PHTP5.00SF/PHTPN/A15,790Circulation - General11,403,004ANNEP0.015Of Total SFN/A171,045Restrooms6,635PHP2.00SF/PHPN/A13,270USON/A6,520N/A11,40311,403Other11,403,004ANNEP0.0010SF/ANNEPN/A11,403	FIS (CIS, Claim, CBP, USDA)	520 PHTP-I	80.00 SF/PHO	PI N/A	41,600
Passenger Screening Checkpoints   2,931   PHOP   160   PHOP/Lane   20   N/A     Passenger Screening Area   19   Lanes   1,300   SF/Lane   N/A   24,700     Concourse Circulation   53   Gates   3,000   SF/Gate   N/A   159,000     Restrooms   6,635   PHP   3.00   SF/Gate   N/A   19,905     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403     Subtotal Secure Public Area    215,008   215,008   215,008     Non-Secure Public Area    215,008   215,008   215,008     Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270	Subtotal FIS				41,600
Passenger Screening Area   19 Lanes   1,300 SF/Lane   N/A   24,700     Concourse Circulation   53 Gates   3,000 SF/Gate   N/A   159,000     Restrooms   6,635 PHP   3.00 SF/PHP   N/A   19,905     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   Z15,008   Z15,008   Z15,008     Non-Secure Public Area   V/A   10,50 SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   15,790     Circulation - Baggage Claim   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms   6,635 PHP   2.00 SF/PHP   N/A   13,270     USO   N/A   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A	Secure Public Area				
Concourse Circulation   53 Gates   3,000   SF/Gate   N/A   159,000     Restrooms   6,635   PHP   3.00   SF/PHP   N/A   19,905     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   Z15,008   Z15,008   Z15,008   Z15,008     Non-Secure Public Area   Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   15,790     Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403		2,931 PHOP	160 PHOP/L	ane 20	N/A
Restrooms   6,635   PHP   3.00   SF/PHP   N/A   19,905     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   215,008   215,008   215,008     Non-Secure Public Area   200   SF/PHOP   N/A   30,776     Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403		19 Lanes	'		24,700
Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403     Subtotal Secure Public Area   215,008     Non-Secure Public Area   2   2   30,776     Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms   6,635 PHP   2.00 SF/PHP   N/A   13,270     USO   N/A   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403					,
Subtotal Secure Public Area   215,008     Non-Secure Public Area      Circulation - Ticketing   2,931 PHOP   10.50 SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158 PHTP   5.00 SF/PHTP   N/A   15,790     Circulation - General   11,403,004 ANNEP   0.015 Of Total SF   N/A   171,045     Restrooms   6,635 PHP   2.00 SF/PHP   N/A   13,270     USO   N/A   6,520   N/A   6,520     Other   11,403,004 ANNEP   0.0010 SF/ANNEP   N/A   11,403		- )			
Non-Secure Public Area     Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403	Other	11,403,004 ANNEP	0.0010 SF/ANN	EP N/A	11,403
Circulation - Ticketing   2,931   PHOP   10.50   SF/PHOP   N/A   30,776     Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403	Subtotal Secure Public Area				215,008
Circulation - Baggage Claim   3,158   PHTP   5.00   SF/PHTP   N/A   15,790     Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403	Non-Secure Public Area				
Circulation - General   11,403,004   ANNEP   0.015   Of Total SF   N/A   171,045     Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   6,520   N/A   6,520     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403		2,931 PHOP			30,776
Restrooms   6,635   PHP   2.00   SF/PHP   N/A   13,270     USO   N/A   6,520   N/A   6,520     Other   11,403,004   ANNEP   0.0010   SF/ANNEP   N/A   11,403		- ,	5.00 SF/PHTI	P N/A	-,
USO 0ther 11,403,004 ANNEP 0.0010 SF/ANNEP N/A 6,520 11,403	Circulation - General	11,403,004 ANNEP	0.015 Of Total	SF N/A	
Other 11,403,004 ANNEP 0.0010 SF/ANNEP N/A 11,403	Restrooms	6,635 PHP	2.00 SF/PHP	N/A	13,270
					6,520
Subtotal Non-Secure Public Area 248,804		11,403,004 ANNEP	0.0010 SF/ANN	EP N/A	11,403
	Subtotal Non-Secure Public Area				248,804

#### 2015 High Constrained Forecast

AIRPORT MASTER PLAN

Description	Demand Level		Plann	ing Factor	LF/#	SF	
Non-Public Area				-			
TSA	2,931 PH	IOP	1.85	SF/PHOP	N/A	5,422	
SDCRAA	11,403,004 AN	INEP	0.0009	SF/ANNEP	N/A	10,263	
Circulation			4.0%	Of Total SF	N/A	45,156	
Maintenance and Storage			2.0%	Of Total SF	N/A	23,481	
Mechanical/ Electrical			10.0%	Of Total SF	N/A	119,755	
Other			6.0%	Of Total SF	N/A	79,038	
Subtotal Non-Public Area					-	283,116	
Total Functional Area Required 2015					=	1,410,180	
SF = Square Feet; LF = Linear Feet PHOP = Peak Hour Originating Passeng PHTP = Peak Hour Terminating Passeng PHTP-I = Peak Hour Terminating Interna PHP = Peak Hour Passengers ANNEP = Annual Enplaning Passengers Totals may not add up precisely due to ro	jers tional Passenger	ſS					

#### **2015 High Constrained Forecast**

Source: HNTB analysis

# **Airline Functions**

Airline functions utilize the planning factors discussed above. Ticket counter frontage is programmed at 1,105 linear feet, and an increase in ticket counter areas, queuing, and ATO will support the additional counters required. Three additional claim devices are required with proportional increases in the baggage claim area, baggage service offices, and inbound baggage area. Improvements to the baggage inspection assume an in-line Explosives Detection System (EDS) programmed at 50 percent of the total outbound baggage area. The airline operations area is increased using the existing planning factor and the forecast annual passenger enplanements. Departure lounges are programmed by the forecast aircraft mix and the departure lounge area requirement for the specific aircraft. Airline clubrooms are increased proportionally to the forecast annual passenger enplanements.

The total programmed area requirement for airline functions for the 2015 high constrained forecast is 484,817 square feet.

#### **Concessions**

Applying a planning factor of 0.012 square feet per annual enplaning passenger, the 2015 high constrained forecast requirement for all concession facilities is 136,836 square feet. This represents an almost doubling of the existing concession space that exists today within the airport.

#### Federal Inspection Services (FIS)

The FIS requirement is based on a 2015 peak hour arrival of 520 international terminating passengers and utilizes a planning factor of 80 square feet per passenger based on data from comparable airports. The total programmed FIS area requirement for the 2015 high constrained forecast is 41,600 square feet. This requirement is much higher than what currently exists today for international arrivals in part because of an increase in overall space per passenger than what is currently provided. The increase assumes a return of International widebody activity to SDIA and the simultaneous arrival of widebody and narrowbody international flights. (This could be represented by a combination European, Asia/Pacific, and Mexico flights.)

# AIRPORT MASTER PLAN

### Secure Public Area

Increased demand will require a total of 20 SSCP lanes, and the area requirement has been increased to reflect lanes that meet TSA planning standards. Concourse circulation is increased to reflect an average of 3,000 square feet per gate. Restroom requirements are based on peak hour numbers of passengers.

The total programmed area requirement for the secure public area for the 2015 high constrained forecast is 215,008 square feet.

# Non-Secure Public Area

Circulations at ticketing and baggage claim as well as general circulation are increased to reflect new facilities meeting Terminal Two West standards and additional passenger demand. Restroom requirements are based on peak hour numbers of passengers. The USO is assumed to remain the same size throughout the forecast years.

The total programmed area requirement for the non-secure public area for the 2015 high constrained forecast is 248,804 square feet.

#### Non-Public Area

For both the TSA and the Authority offices, the area requirement is based on the forecast passenger demand using the current planning factors. Circulation, maintenance and storage, mechanical and electrical and other requirements (structure, walls, etc.) are programmed as percentages of the terminal area.

The total programmed area requirement for the non-public areas for the 2015 high constrained forecast is 283,116 square feet.

#### **Total Functional Area Required 2015**

The total terminal facility required for the 2015 high constrained forecast is 1,410,180 square feet. This is 622,755 square feet larger than the existing Terminal One and Terminal Two area.

# 7.2.5 <u>Passenger Terminal Facility Requirements - 2030 High</u> Constrained Forecast

The passenger terminal facility requirements projected for the 2030 high constrained forecast are shown in **Table 7.2-4**. The requirements are based on the planning factors discussed in Section 7.2.2.

#### Table 7.2-4

#### **2030 High Constrained Forecast**

Description	Demand Level	Planni	ing Factor	LF/#	SF
Airline Functions					
Ticket Counter Area	3,461 PHOP	3.84	SF/PHOP		13,290
Ticket Counter Length	3,461 PHOP	0.35	LF/PHOP	1,211	
Ticket Counter Queuing	3,461 PHOP	7.00	SF/PHOP		24,227
Airline Ticket Office	3,461 PHOP	11.28	SF/PHOP		39,040
Baggage Claim Area	4,007 PHTP	19.00	SF/PHTP		76,133
Baggage Claim Frontage	4,007 PHTP	0.60	LF/PHTP	2,004	
Baggage Claim Devices	4,007 PHTP	130.00	LF/Device	15	
Baggage Service Office	4,007 PHTP	1.97	SF/PHTP		7,894
Outbound Baggage	3,461 PHOP	19.79	SF/PHOP		68,493
EDS In-Line Screening Area	3,461 PHOP	9.90	SF/PHOP		34,247

#### AIRPORT MASTER PLAN SAN DIEGO INTERNATIONAL AIRPORT

#### 2030 High Constrained Forecast

Description	Demand		Plann	ing Factor	LF/#	SF
Inbound Baggage	4,007	PHTP	11.68			46,802
Airline Operations	14,120,000	ANNEP	0.008	SF/ANNEP		112,960
Departures Lounges (Holdrooms)	60	Gates				141,950
Wide-body	13	Gates	3,500	SF/gate		45,500
B757-200	5	Gates	2,250	SF/gate		11,250
Narrow-body	39	Gates		SF/gate		79,950
Regional	3	Gates	1,750	SF/gate		5,250
Turboprop	0	Gates	950			0
Clubrooms	14,120,000	ANNEP	0.0014	SF/ANNEP		19,768
Subtotal Airline Functions					_	584,804
Concessions						
Concessions (Includes Storage)	14,120,000	ANNEP	0.0120	SF/ANNEP	_	169,440
Subtotal Concessions						169,440
Federal Inspection Services						
FIS (CIS, Claim, CBP, USDA)	643	PHTP-I	80.00	SF/ANNEP		51,440
Subtotal FIS					-	51,440
Secure Public Area						
Passenger Screening Checkpoints	3,461	PHOP	160	PHOP/Lanes	22	
Passenger Screening Area	22	Lanes	1,300	SF/Lane		28,600
Concourse Circulation	60	Gates	3,000	SF/Gate		180,000
Restrooms	7,216	PHP	3.00	SF/PHP		21,648
Other	14,120,000	ANNEP	0.0010	SF/ANNEP		14,120
Subtotal Secure Public Area					-	244,368
Non-Secure Public Area						
Circulation - Ticketing	3,461	PHOP	10.50	SF/PHOP		36,341
Circulation - Baggage Claim	4,007	PHTP	5.00	SF/PHTP		20,035
Circulation - General	14,120,000	ANNEP	0.015	Of Total SF		211,800
Restrooms	7,216	PHP	2.00	SF/PHP		14,432
USO						6,520
Other	14,120,000	ANNEP	0.0010	SF/ANNEP	_	14,120
Subtotal Non-Secure Public Area					_	303,248
Non-Public Area						
EDS/ TSA	3,461	PHOP	1.85	SF/PHOP		6,403
SDCRAA	14,120,000	ANNEP	0.0009	Of Total SF		12,708
Circulation			4.0%	Of Total SF		53,949
Maintenance and Storage			2.0%	Of Total SF		28,054
Mechanical/ Electrical			10.0%	Of Total SF		143,073
Other			6.0%	Of Total SF	_	94,428
Subtotal Non-Public Area						338,615
Total Functional Area 2030					=	1,697,524
SF = Square Feet; LF = Linear Feet PHOP = Peak Hour Originating Passe PHTP = Peak Hour Terminating Passe PHTP-I = Peak Hour Terminating Inter PHP = Peak Hour Passengers ANNEP = Annual Enplaning Passenge Totals may not add up precisely due to	engers national Passer ers	ngers				

Source: HNTB analysis

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SAN DIEGO INTERNATIONAL AIRPORT

San Diego County Regional Airport Authority May 2008

# Airline Functions

Airline functions utilize the planning factors discussed above. Ticket counter frontage is programmed at 1,211 linear feet. An increase of ticket counter areas, queuing, and ATO will support the additional counters required. Six additional baggage claim devices are required with proportional increases in the baggage claim area, baggage service offices, and inbound baggage area. Improvements to the baggage inspection assume implementation of an in-line EDS programmed at 50 percent of the total outbound baggage area. The airline operations area will be increased as a result of the existing planning factors and the forecast annual passenger enplanements. Departure lounges are programmed by the forecast aircraft mix and the departure lounge areas are estimated area requirement for a specific aircraft. Demand for Airline clubrooms is expected to increase proportionally to the forecast annual passenger enplanements.

The total programmed area requirement for airline functions for the 2030 high constrained forecast is 584,804 square feet.

### **Concessions**

Applying a planning factor of 0.012 SF/ANNEP, the 2030 high constrained forecast requirement for all concession facilities is 169,440 square feet.

#### Federal Inspection Services (FIS)

The FIS requirement is based on the 2030 peak hour arrival of 643 international terminating passengers and utilizes a planning factor of 80 square feet per passenger based on data from comparable airports. The total programmed FIS area requirement for the 2030 high constrained forecast is 51,440 square feet. This requirement is much higher than what currently exists today for international arrivals in part because of an increase in overall space per passenger than what is currently provided.

#### Secure Public Area

Increased demand will require a total of 22 SSCP lanes, and the area requirement will be increased to reflect lanes meeting TSA planning standards. Concourse circulation is increased to reflect an average of 3,000 square feet per gate, and restroom requirements are based on peak hour number of passengers.

The total programmed area requirement for the secure public area for the 2030 high constrained forecast is 244,368 square feet.

#### Non-Secure Public Area

Circulation area requirements at ticketing and baggage claim, as well as general circulation, will increase reflecting additional passenger demand and the LOS standards of Terminal Two West and. Other non-secure areas including restroom requirements are based on peak hour passengers. Another non-secure area, the USO, is assumed to remain the same size throughout the forecast years.

The total programmed area requirement for the non-secure public area for the 2030 high constrained forecast is 303,248 square feet.

#### Non-Public Area

The non-public areas of the TSA and the Authority offices have area requirements based on the forecast passenger demand using the current planning factors. Circulation, maintenance and storage, mechanical and electrical and other requirements (structure, walls, etc.) are programmed as percentages of the terminal area.

The total programmed area requirement for the non-public areas for the 2030 high constrained forecast is 338,615 square feet.

# **Total Functional Area Required 2030**

The total terminal facility required for the 2030 high constrained forecast is 1,697,524 square feet. This is 910,099 square feet larger than the existing terminal facilities.

# 7.2.6 Area Comparison

**Table 7.2-5** provides an area comparison between the existing terminal facilities and the 2015 and 2030 forecast program requirements.

#### Table 7.2-5

Description	% Increase	SF
2004 Terminal 1 and 2 Area		787,425
Total Functional Area 2015 Area Increase 2004 to 2015	79%	1,410,180 622,755
Total Functional Area 2030 Area Increase 2004 to 2030	116%	1,697,524 910,099
Source: HNTB analysis, 2005.		

#### Existing and Future Total Terminal Area Comparison

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