

Planning & Development Group

Executive Management Program Status Report

November 30, 2016



➤ Commonly Used Acronyms	2
➤ Purpose & Element Overview.....	3
➤ Airside Element.....	9
➤ Utilities & Landside Element.....	16
➤ Terminal Element.....	36
➤ MSC Element.....	51
➤ Tenant Improvement Element.....	55
➤ Program Cost Summary.....	58
➤ SBE / DBE / MWBE.....	60

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COMMONLY USED ACRONYMS

ADA	Americans with Disabilities Act	LADWP	Los Angeles Department of Water & Power
AST	Above-ground Storage Tanks	LAWA	Los Angeles World Airports
AOA	Airfield Operations Area	MSC	Midfield Satellite Concourse
CBP	Customs & Border Patrol	NTP	Notice to Proceed
CGMP	Component Guaranteed Maximum Price	PBB	Passenger Boarding Bridge
CTA	Central Terminal Area	PDG	Planning & Development Group
CTX	Computer Tomography X-Ray	RON	Remain Over Night
EAC	Estimate at Completion	RSA	Runway Safety Area
EIR	Environmental Impact Report	SSCP	Security Screening Checkpoints
FAA	Federal Aviation Administration	TBIT	Tom Bradley International Terminal
FIS	Federal Inspection Services	TIA	Time Impact Analysis
FLSS	Fire & Life Safety Systems	UST	Under-ground Storage Tank
IT	Information Technology		



Purpose

This report is a tool to provide status of the Capital Projects for the Planning & Development Group. The report is divided into Elements; and includes a status update for active projects followed by the schedule, budget and change order summary. The Program Wide tab includes the budget summary.

Airside Element

The Airside Element consists of multiple projects necessary for accommodating the movement of aircraft between the north and south airfields; reconfiguring traffic movement to accommodate the TBIT modernization program; and provide airfield improvements as required by Airfield Operations, the FAA and other Federal and State regulatory agencies.





Utilities and Landside Element

These capital improvement projects implement roadway, landside, utility and infrastructure enhancements that support the Terminal and Airport operations within the CTA and include the following:

- Roadway enhancements focused on improving the passenger experience within the CTA. These improvements are designed to increase vehicular throughput, alleviate congestion on roadways and in parking structures, enhance curb space and security for arriving and departing passengers and various ADA improvements.
- Landside improvements typically related to public transportation access, fueling facilities, warehouse and cargo areas, as well as access roads and perimeter fencing.
- Utility and infrastructure enhancements primarily designed to deliver utility service from the Central Utility Plan (CUP) to parking structures, terminal buildings, and other airport facilities.



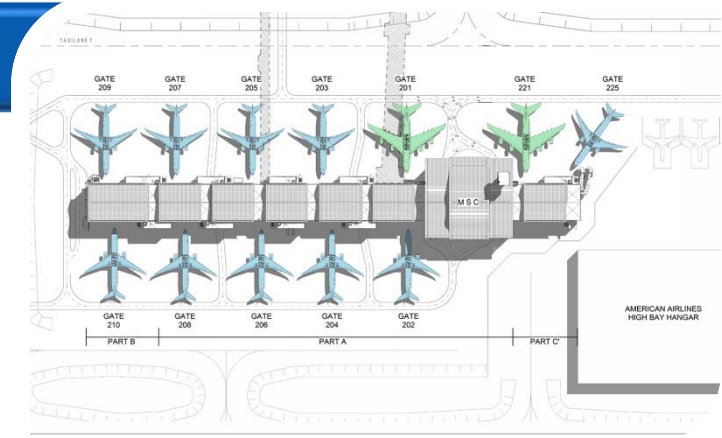
Terminal Element

Most of LAX's terminals have served their purpose without major renovations or modernization efforts for years. As needs change, the terminal spaces and structures need repairs, upgrades, modernization, and standardization to satisfy these changing demands. The Terminals Element is focused on implementing these necessary improvements. The Project Status Section for the Terminal Element reports on three types of projects:

- Terminal-wide improvements that typically consist of similar types of work implemented across two or more terminals, such as the Elevator and Escalator Program, the Information Technology / Main Point of Entry (IT/MPOE) Room Project, and ADA Enhancements.
- Terminal-specific improvements which typically address the enhancement and/or renovation of one or more parts of a specific terminal, such as the Terminal 2 Improvement Program, Terminal 3 Improvement Program, etc.
- The TBIT improvements support the airport's ability to effectively and efficiently accommodate new large aircraft, such as the Airbus A380 and Boeing 747-8.

MSC Element

The MSC will function primarily as an international departure and arrival concourse. The MSC will have a flexible flight line allowing it to accommodate both wide and narrow body aircraft.





Tenant Improvements Element

Many terminal improvements are managed directly by the airlines and concession stakeholders. LAWA adopts an oversight role for these improvements, ensuring that these renovations improve or enhance the customer experience and maintain strict safety and security mandates. The Tenant Improvements Element reports these efforts.

User's Guide – Project Status Section

The projects reported within each Element are categorized into one of the following three categories.

Projects in Delivery

Projects in this category have an awarded construction contract and are characterized by a blue-bar. Each project in this category presents the scope of work, a progress narrative, a Budget and Schedule graphic to depict progress and a narrative describing the current status or issues.

Projects in Development

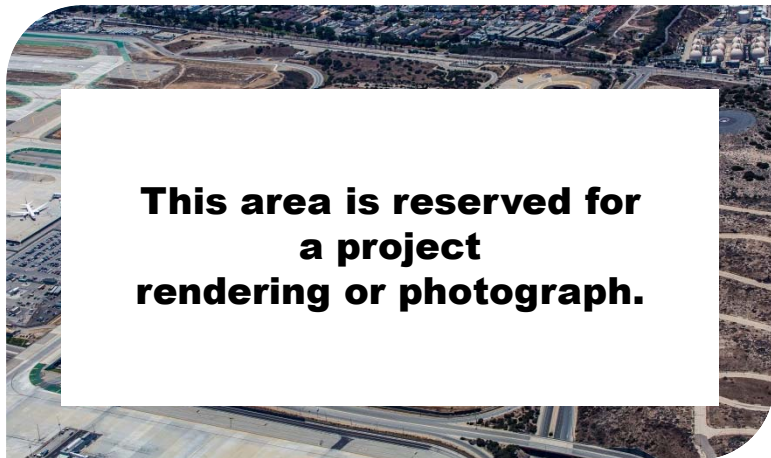
Projects in this category are in the Design or Bid stage and do not yet have an awarded construction contract. These projects are characterized by a green-bar and each project presents the scope of work and a narrative describing current status or issues. Once a construction contract is awarded, these projects will be transferred from this category into the Projects in Delivery category.

Projects in Planning

Projects in this category are in the Planning stage and are undergoing conceptual design. These projects are characterized by an orange-bar and each project identifies the scope of work and a narrative describing current status or issues. Once the conceptual design has sufficiently progressed, these projects will be transferred from this category into the Projects in Development category.

Project Description

The narrative provides a summary overview of the project scope.



Recent Project Achievements

➤ This section highlights project achievements during the reporting period.

Budget Status

This section discusses the project's budget performance.

Schedule Status

The section discusses the project's schedule performance.

LAX

Project Cost

Calculated as Incurred divided by Estimate at Completion (EAC), this pie chart depicts the percentage incurred for the expected cost.

Construction Cost

Calculated as Incurred divided by Construction Contract value, this pie chart depicts the percentage incurred for the construction contract.

Construction Duration

Calculated as Days Elapsed divided by construction contract duration, this pie chart depicts the percentage of contract time elapsed.

Contingency

This pie chart describes the percentage of contingency already allocated and the remaining amount.
Note: Funds not used are returned to the Program Unallocated Contingency account.

As of: November 1, 2015

Status	Completion Date	Variance to Baseline Finish (Days)
<p>This area presents the schedule information for key project milestones and provides a status indicator for whether it is ahead of schedule, behind schedule or on-time.</p>		

*Costs are rounded off to the nearest dollar

Runway 7L-25R Safety Area Improvements and Pavement Rehabilitation

Project Description

This project will provide safety improvements to the RSA at the west end of Runway 7L-25R to meet the latest FAA design standards. The west end work will provide the full 1,000 feet clearance for the RSA. The project will also replace deteriorated concrete pavement along the center portion of the Runway and at the east end of Runway 7L-25R and Taxiway B.

Recent Project Achievements

During November 2016, the contractor installed storm drain systems, duct banks and began cement stabilized subgrade construction on the East End of Runway 25R at Taxiway B and Taxiway F.

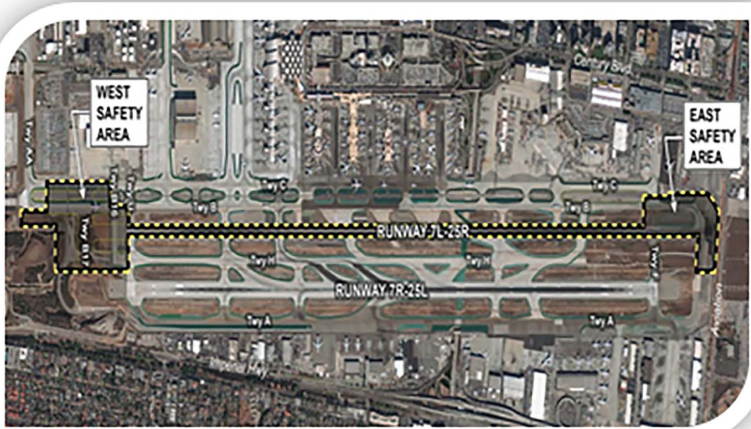
The contractor also completed the new FAA and LAWA fiber installation from the Control Tower to the East End of Runway.

Budget Status

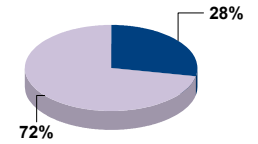
The project is trending on budget.

Schedule Status

This project is one-week behind schedule, because the runway shortening phase was postponed to allow the completion of Runway 6R-24L. Rain events in November 2016 are expected to impact the schedule by another week. The contractor and project team are working towards mitigating these delays.

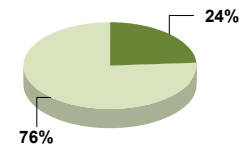


Project Cost



Cost To Date: \$42.47M
Cost Remaining: \$109.08M
Total Cost(EAC): \$151.56M

Construction Cost



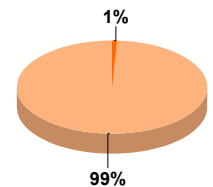
Incurred Cost: \$26.87M
Cost Remaining: \$85.31M
Const. Cost Total: \$112.18M

Construction Duration



Days Elapsed: 296
Days Remaining: 363
Days Total: 659

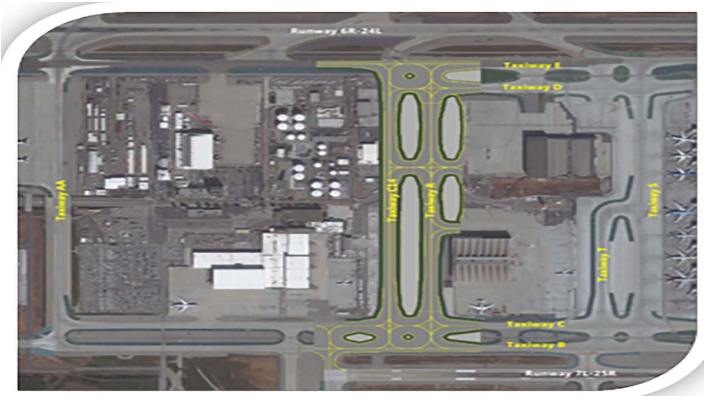
Contingency



Allocated Contingency: \$0.11M
Remaining: \$12.43M
Total Contingency: \$12.54M

As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Runway 7L-25R Safety Area Improvements & Pavement Rehabilitation (Construction)					
Runway 7L-25R Safety Area Improvements & Pavement Rehabilitation - Construction NTP		Started	8-Feb-16		
Runway 7L-25R Safety Area Improvements & Pavement Rehabilitation - Substantial Completion		●		11-Sep-17	-7

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	



Taxiway C14 & Taxiway D Extension

LAX

The proposed construction of a new Taxiway C14, Taxiway D Extension, and Enabling Projects and airside vehicle service road will provide unimpeded taxiway flow between the north and south airfields as well as a dual parallel taxiway capability for the North Runway complex. The project will include demolition and/or relocation of existing facilities such as Remain Over Night (RON) parking, water deluge tank, hangar facilities, electrical vault, and other infrastructures as enabling projects to facilitate the construction of Taxiway C14, and demolition/modification of various infrastructure for the construction of Taxiway D extension. Access along the existing landside roadway at Coast Guard Road and the tunnel roadway at World Way West may be affected by the construction of Taxiway C14.

The design services contract was advertised and a responsive bidder has been identified. The recommendation to award this design contract is being prepared and the Board date is being scheduled.

Taxiway T-Phase 2

LAX

The Taxiway T-Phase 2 work includes the construction of the remaining northern segment from Taxiway D to Taxiway T-1 to complete the full crossing Taxiway T project. The budget for this work is already approved and included within the Taxiway T Program. Note that the enabling Qantas Hangar Demolition is reported within the MSC Element.

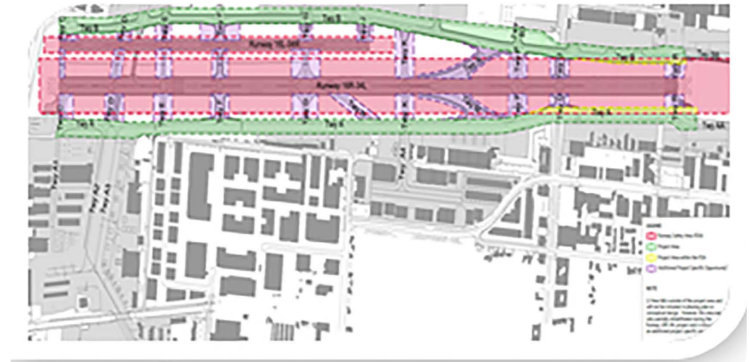


Taxiway A, B and West Service Road Improvements (Phase I)

VNY

TWY A supports about 70% of the ground movement of jet aircraft at Van Nuys Airport (VNY). The existing TWY A is deteriorating. It is no longer economical or practical to continue maintaining the pavement. This project rehabilitates the pavement, including grading, pavement markings, airfield lighting and airfield signage, where applicable.

The design and construction support services was advertised and a responsive bidder has been identified. The recommendation to award this contract will be scheduled for December 2016 Board approval.



AIRSIDE ELEMENT PROJECTS IN DELIVERY BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 1							
Closed	Taxilane 'S'	174,980	162,053	162,053	162,053	162,053	0
Closed	Taxilane 'T' - Enabling	23,564	21,726	21,726	21,726	21,726	0
Closed	Taxilane 'T' - Phase 1	56,479	50,240	50,240	50,240	50,240	0
Active	Taxilane 'T' - Phase 2	16,527	33,484	760	461	30,969	2,515
Close-out	Qantas Hangar Demolition	27,758	27,758	18,339	17,831	18,831	8,927
Closed	Associated Projects	1,340	2,330	2,330	2,330	2,330	0
Closed	Crossfield Taxiway Project	177,760	137,931	137,931	137,931	137,931	0
Closed	LAX Aircraft Rescue and Fire Fighting Facility	14,190	14,155	14,155	14,155	14,155	0
Closed	Construction Support Facilities	14,790	0	0			0
Closed	American Airlines Settlement	27,250	21,428	21,428	21,428	21,428	0
Subtotal: Capital Budget 1		534,638	471,105	428,962	428,155	459,663	11,442
Capital Budget 2							
Closed	ONT Runway 8L/26R RSA Improvement	4,467	4,112	4,112	4,112	4,112	0
Closed	Pavement Management Program - VNY Taxilane A2 Rehabilitation and RSA Improvements	7,970	5,065	5,065	5,065	5,065	0
Closed	Pavement Management Program - VNY Taxilane A2 Rehabilitation - Phase 2	2,933	2,521	2,521	2,521	2,521	0
Closed	VNY Runway 16R Rehabilitation	20,483	17,765	17,765	17,765	17,765	0
Closed	Taxilane D-10 Reconstruction	9,062	7,456	7,456	7,456	7,456	0
Closed	AOA Perimeter Fence - Phase 4	6,506	4,722	4,722	4,722	4,722	0
Subtotal: Capital Budget 2		51,421	41,641	41,641	41,641	41,641	0

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

AIRSIDE ELEMENT PROJECTS IN DELIVERY – (Cont.) BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 3							
Active	Runway 7L-25R Safety Area Improvements and Pavement Rehabilitation	163,151	163,151	138,890	42,474	151,556	11,595
Close-out	West Aircraft Maintenance Area	100,654	100,654	92,651	81,792	95,191	5,463
Close-out	Runway 25L Safety Area Improvements and Temporary Repairs	23,745	23,745	17,439	17,135	17,588	6,157
Close-out	Runway 6L-24R RSA Improvements and Rehabilitation	40,371	40,371	32,302	31,149	32,530	7,841
Close-out	Runway 6R-24L Safety Area Improvements	72,324	72,324	63,893	50,050	67,869	4,455
Subtotal: Capital Budget 3		400,245	400,245	345,175	222,600	364,734	35,511
Airside Element: Total		986,304	912,991	815,778	692,396	866,038	46,953

- Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

AIRSIDE ELEMENT PROJECTS IN DEVELOPMENT BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Estimate	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
	Projects in Development						
	Taxiway C14 & Taxiway D Extension	63,300	TBD	0	0	TBD	TBD
	VNY Taxiway A, B and West Service Road Improvements (Phase 1)	25,000	TBD	50	50	TBD	TBD
	Airside Element: Projects in Development						
		88,300	TBD	50	50	TBD	TBD

- Notes:
1. The Estimate Column provides an overall order-of-magnitude forecast of the total project cost. It is for planning purposes only and will vary as the scope is refined and the design is progressed. A project will move into the Element and a budget will be established when the Board of Airport Commissioners (BOAC) approves the scope.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.
 3. The scope was expanded to include the Taxiway D Extension and the estimate is being reviewed.

AIRSIDE ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS

MONTH OF: 11/30/2016

Project	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Description
AIRSIDE ELEMENT						
DA-4925 - WEST AIRCRAFT MAINTENANCE AREA PROJECT						
11/22/2016	DA-4925	0024	\$74,015			Perimeter Light Poles and High Mast Relocate Foundations, SCE Communications Ductbank, Retaining Wall #2 Over-Exc in Conflict with FAA Ductbank, North Apron 2 Foot Econocrete Exc. Removal, RON Position Striping 503A and MASA and MSB Permit Mods.
DA-5009 - RUNWAY 6R-24L SAFETY AREA IMPROVEMENTS						
11/2/2016	DA-5009	0009	\$88,522			Additional Painting of the Portable JBD, Removal of Light Poles and Foundations, MALSR Station 10 Slough Wall and Foundation Work.
11/2/2016	DA-5009	0010	\$58,731			24L MALSR Flasher P&C Pull Box Relocation, New Configuration of Temp JBD, Pull Box Investigation of MH-17, 18 and 212, Phase A - Police Parking Lot Fence Realignment, Airside Hydrant Removal of Concrete Thrust Block, Removal of 3 Light Poles on Davidson, Additional Bollards at New Airport Police Parking Lot and Taping of Lead-in Lights for TWY E6, E7 & E8.
11/30/2016	DA-5009	0011	\$125,044			Over Excavation at Blast Fence Foundation, Remove CTPB Pad in Phase 5, Phase A Demo of Existing Vegetation & Bollards, Removal of Unforeseen Existing 8" VCP Pipe and 48", Reinstallation of Bollards, Alverstone Unmarked Water Line Repair, C-80 Field Modifications, Short Loop Airfield Lighting Circuit Phase 7, Phase 7 - Removal and Disposal of Unforeseen 8" Concrete and Asphalt Overlay and Additional Reinforcement of JBD Footing.
11/30/2016	DA-5009	0012	\$96,896			Cement Treated Base (Phase 7), Additional Post for Light Post on Skyway Bridge, Adjustments to JBD Foundation Rebar, RWY 24L MALSR Communication Ductbank Rerouting, Procurement of 48 Strand Hybrid Fiber, Removal of Concrete Cover on Ductbanks Near VSR.
DA-5051 - RUNWAY 7L-25R SAFETY AREA IMPROVEMENTS PAVEMENT REHAB PROJECT						
11/30/2016	DA-5051	0003	\$57,888			Temporay Storm Drain at VSR C, 34.5 kV Duct Bank Backfill, Handholes Removed at Localizer, Utility Investigation - Phase 3A, Partnering, Suspension of Procurement of Infiltration System, Modifying Existing PB 14A, LADWP 8x16 Vault Elevation Change, & Existing Ductbank in Conflict with 34kV Ductbank.

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY

CTA - Landside Accessibility Improvements - Phase 2

Project Description

The project will correct 263 of the 563 ADA deficiencies in the CTA as identified by the 2010 Accessibility Study. The remaining ADA deficiencies were either included in the "LAX CTA Landside Accessibility Improvements - Phase 1" project or are being resolved as part of another LAWA project. The majority of Phase 2 work will involve repairing/replacing curb ramps, striping, signage and sidewalk.



Recent Project Achievements

In November 2016, the contractor implemented ADA improvements at Parking Structures 2B, 4 and 7 and also at Center Way/Theme Way. Ninety percent of the planned improvements are complete.

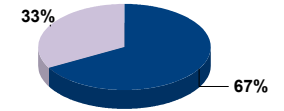
Budget Status

This project is trending on budget.

Schedule Status

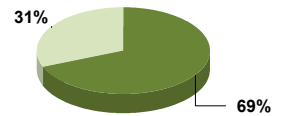
The project is tracking to schedule.

Project Cost



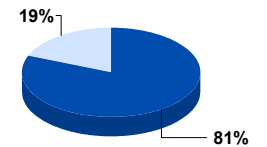
■ Cost To Date:\$4.40M
 ■ Cost Remaining:\$2.16M
 Total Cost(EAC): \$6.56M

Construction Cost



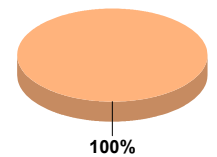
■ Incurred Cost: \$3.79M
 ■ Cost Remaining: \$1.71M
 Const. Cost Total:\$5.50M

Construction Duration



■ Days Elapsed: 717
 ■ Days Remaining: 168
 Days Total: 885

Contingency



■ Allocated Contingency: \$0.00M
 ■ Remaining: \$0.57M
 Total Contingency: \$0.57M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
CTA Landside Accessibility Improvements - Phase 2 (Construction)				
CTA Landside Accessibility Improvement - Phase 2 - Construction NTP	Started	14-Dec-14		
CTA Landside Accessibility Improvement - Phase 2 - Substantial Completion (GSD Delivery)	○		16-May-17	

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

Project Description

This project will remodel the restroom facilities of the Lot C Bus Depot Building to meet current ADA requirements and reconstruct the access ramp between the parking lot and the building entrance to ADA standards. Related project work also includes updating the plumbing, electrical connection and fixtures in the Bus Depot.

The Bus Shelter scope is to remove and replace nine existing parking lot shelters. In addition, new shelters with solar lighting will be installed at six bus stop locations that do not currently have shelters. The project also includes procurement and installation of a separate shelter between Terminals 1 and 2 on the Departures level of the CTA. One salvaged shelter from Lot C will also be installed adjacent to the existing shelter at the employee stop.



Recent Project Achievements

During November 2016, the contractor continued progressing the CTA bus shelters procurement effort.

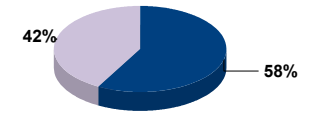
Budget Status

The project is currently over budget, due to unforeseen conditions related to defective sub-flooring. The LADBS corrections to the bus shelter design will also impact the budget. Staff initiated the administrative process required to increase the budget and resolve the negative variance.

Schedule Status

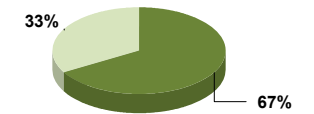
The bus shelter design is complete, the LADBS plan check review and approval is underway and NTP is anticipated in April 2017. The ADA work is complete.

Project Cost



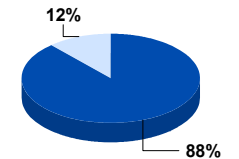
■ Cost To Date: \$0.81M
 □ Cost Remaining: \$0.59M
 Total Cost (EAC): \$1.39M

Construction Cost



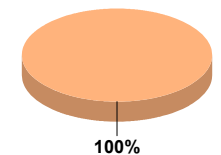
■ Incurred Cost: \$0.73M
 □ Cost Remaining: \$0.36M
 Const. Cost Total: \$1.09M

Construction Duration



■ Days Elapsed: 243
 □ Days Remaining: 32
 Days Total: 275

Contingency



■ Allocated Contingency: \$0.00M
 □ Remaining: \$0.14M
 Total Contingency: \$0.14M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
Lot C Improvements (Construction)				
Lot C Improvements - Construction NTP	(Note: The ADA work is complete.)	Started	11-Mar-16	
Lot C Improvements - Substantial Completion	○		31-Dec-16	

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

Project Description

The purpose of this project is to provide additional passenger security at the upper level of the Central Terminal Area (CTA) by installing prefabricated security bollards at various locations in front of terminal entrance doors.

Recent Project Achievements

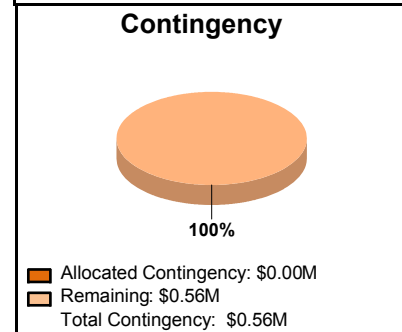
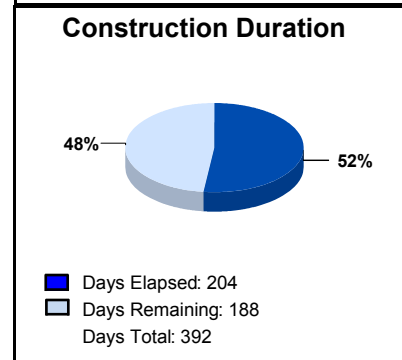
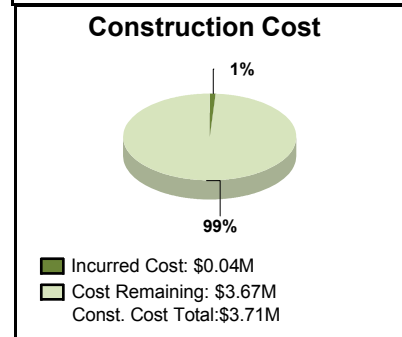
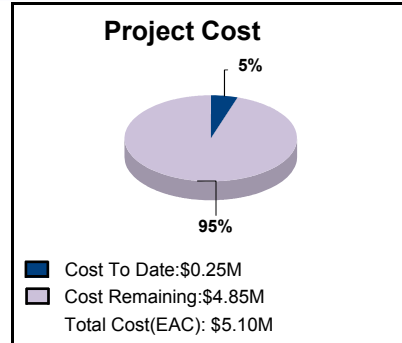
During November 2016, eighteen removable bollards were delivered to LAWA. The remaining thirty-three removable bollards are scheduled for delivery in December 2016 and installation will begin at Terminal 5 and Terminal 6.

Budget Status

The project is trending on budget. The project team is reviewing a proposal to install additional bollards, which would impact the project budget.

Schedule Status

The project is tracking to schedule.



As of: November 30

	Status	Construction Start	Construction Finish	Variance to BL Finish
CTA Departure Level Security Bollards (Construction)				
CTA Departure Level Security Bollards - Procurement NTP	Started	10-May-16		
CTA Departure Level Security Bollards - Construction NTP	Started	30-Aug-16		
CTA Departure Level Security Bollards - Substantial Completion	○		5-Jun-17	

Status

- Awaiting NTP
- Target Milestone
- On-Time
- Behind Schedule
- Requires Mitigation

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY

Imperial Cargo Complex Water Main Replacement

Project Description

This project provides a 12-inch, high pressure C900 polymerized vinyl chloride (PVC) pipe to replace 5,400-linear feet of existing water line system at the Imperial Cargo Complex. The existing valves and lateral connections will also be replaced. This work will occur along the perimeter of the cargo complex apron area and along a stretch of length on Douglas Street. Pavement replacement is recommended on the south side of the cargo complex.

Recent Project Achievements

In November 2016, the contractor installed the water main at the Air France, Air Union and Menzies locations. The pipe installation has started at the Lufthansa location.

Budget Status

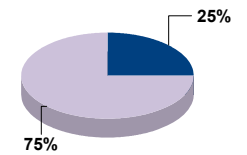
The project is trending on budget.

Schedule Status

The project is tracking to schedule.

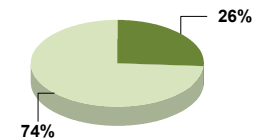


Project Cost



■ Cost To Date:\$2.24M
 ■ Cost Remaining:\$6.72M
 Total Cost(EAC): \$8.96M

Construction Cost



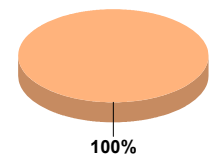
■ Incurred Cost: \$1.67M
 ■ Cost Remaining: \$4.76M
 Const. Cost Total:\$6.43M

Construction Duration



■ Days Elapsed: 176
 ■ Days Remaining: 90
 Days Total: 266

Contingency



■ Allocated Contingency: \$0.00M
 ■ Remaining: \$0.64M
 Total Contingency: \$0.64M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
Imperial Cargo Complex Water Main Replacement (Construction)				
Imperial Cargo Complex Water Main Replacement - Construction NTP	Started	7-Jun-16		
Imperial Cargo Complex Water Main Replacement - Substantial Completion	●		27-Feb-17	0

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY

FLSS Replacement - Child Care Center & Telecommunication Building

Project Description

This project upgrades the existing Fire Alarm Systems in the Telecommunications Building and Child Development Center at Los Angeles International Airport (LAX) to a fully functional, code compliant system. The scope of work includes removal and replacement of existing Fire Alarm Control Panels (FACPs), Fire Alarm Annunciator Panels, and all notification and initiating devices with new addressable devices. The FACP in the Telecomm. Building is to be relocated from the AP Dispatch Room to the main lobby.

Recent Project Achievements

During November 2016, the contractor continued mobilizing, equipment and materials to the site. The contractor continues design work on the Telecommunications Building.

Budget Status

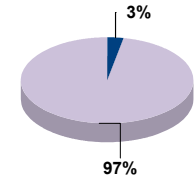
The project is trending on budget.

Schedule Status

The project is tracking to schedule.

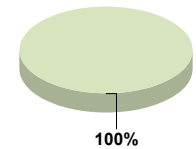


Project Cost



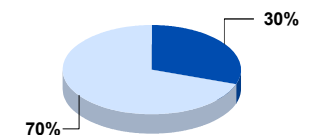
Cost To Date: \$0.04M
Cost Remaining: \$1.22M
Total Cost(EAC): \$1.26M

Construction Cost



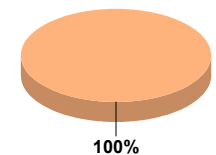
Incurred Cost: \$0.00M
Cost Remaining: \$0.92M
Const. Cost Total: \$0.92M

Construction Duration



Days Elapsed: 79
Days Remaining: 181
Days Total: 260

Contingency



Allocated Contingency: \$0.00M
Remaining: \$0.14M
Total Contingency: \$0.14M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
FLSS Replacement - Child Care Center & Telecommunications Building (Construction)				
FLSS Replacement - Child Care Center & Telecommunications Building - Construction NTP	Started	12-Sep-16		
FLSS Replacement - Child Care Center & Telecommunications Building - Substantial Completion	●		29-May-17	0

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY

Roofing Replacement - Support Facilities Phase 3

Project Description

As part of a systematic program for the repair/replacement of landside buildings at the Los Angeles International Airport (LAX) campus, the Building Roof Replacement Program - Phase 3 will address the next series of roofs in most need of attention. This project will replace the roofs for three buildings: Nippon Cargo Airways Building, Swissport Air Cargo Services and China Airlines Cargo Building.

Recent Project Achievements

During November 2016, the contractor completed all roofing replacements and achieved substantial completion.

Budget Status

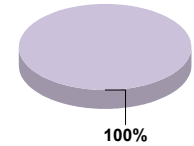
The project is trending on budget. Invoices for the work are being prepared, received and processed for payment. As those payments are approved, the Cost pie charts will reflect those payments.

Schedule Status

The project was completed on November 30, 2016.

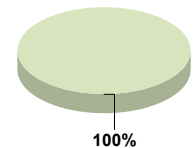


Project Cost



■ Cost To Date:\$0.00M
 ■ Cost Remaining:\$0.76M
 Total Cost(EAC): \$0.76M

Construction Cost

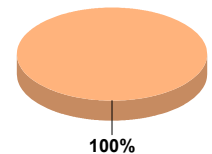


■ Incurred Cost: \$0.00M
 ■ Cost Remaining: \$0.73M
 Const. Cost Total:\$0.73M

Construction Duration

This project was completed on November 30, 2016.

Contingency



■ Allocated Contingency: \$0.00M
 ■ Remaining: \$0.07M
 Total Contingency: \$0.07M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
Roofing Replacement - Support Facilities - Phase 3 (Construction)				
Roofing Replacement - Support Facilities - Phase 3 - Construction NTP	Started	1-Oct-16		
Roofing Replacement - Support Facilities - Phase 3 - Substantial Completion	Complete		30-Nov-16	
Status ● Awaiting NTP ● Behind Schedule ○ Target Milestone ● Requires Mitigation ● On-Time				

RON West Electrification Project

Project Description

This project provides the electrical infrastructure and equipment to support implementation of nine 400 HZ fixed GPUs and infrastructure to support seven future electric battery charging stations, resulting in emission reductions.

Recent Project Achievements

In November 2016, the contractor began investigating a new fiber optic path to monitor usage of the proposed ground power units. The area shutdown plans are submitted and the project team is reviewing them.

Budget Status

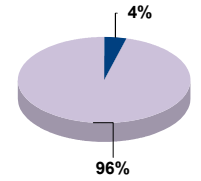
The project is trending on budget.

Schedule Status

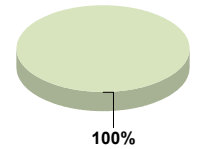
The project is tracking to schedule.



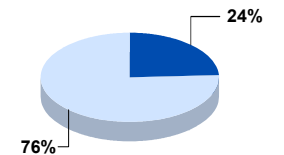
Project Cost



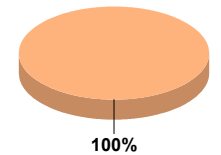
Construction Cost



Construction Duration



Contingency



As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
RON West Electrification Project (Construction)				
RON West Electrification Project - Construction NTP	Started	3-Oct-16		
RON West Electrification Project - Substantial Completion	●		31-May-17	0

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY

VNY Jet Center Underground Storage Tank (UST) Removal

Project Description

This project will remove two 20,000 gallon USTs, one 10,000 gallon AST, and the associated piping, dispensers, structures and ancillary equipment. The removal of this obsolete facility will eliminate the need for ongoing environmental compliance associated with it.

Recent Project Achievements

The construction NTP was issued on November 21, 2016 and the contractor commenced mobilizing equipment and material to the site. The pre-construction meeting is scheduled for early December 2016.

Budget Status

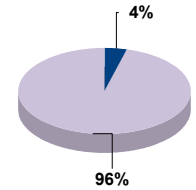
The project is trending on budget.

Schedule Status

The project is tracking to schedule.

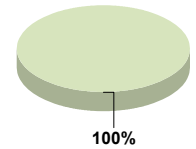


Project Cost



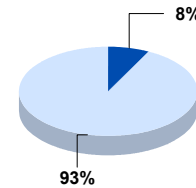
■ Cost To Date:\$0.03M
 ■ Cost Remaining:\$0.57M
 Total Cost(EAC): \$0.59M

Construction Cost



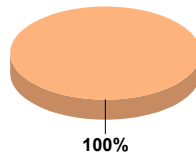
■ Incurred Cost: \$0.00M
 ■ Cost Remaining: \$0.37M
 Const. Cost Total:\$0.37M

Construction Duration



■ Days Elapsed: 9
 ■ Days Remaining: 111
 Days Total: 120

Contingency



■ Allocated Contingency: \$0.00M
 ■ Remaining: \$0.05M
 Total Contingency: \$0.05M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
VNY Jet Center Underground Storage Tank (UST) Removal (Construction)				
VNY Jet Center Underground Storage Tank (UST) Removal - Construction NTP	Started	21-Nov-16		
VNY Jet Center Underground Storage Tank (UST) Removal - Substantial Completion	○		20-Mar-17	

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	



Drainage & Expansion Joint Seal Improvements for Parking Structures 1, 3, 6 & 7 - Phases 1 and 2 **LAX**

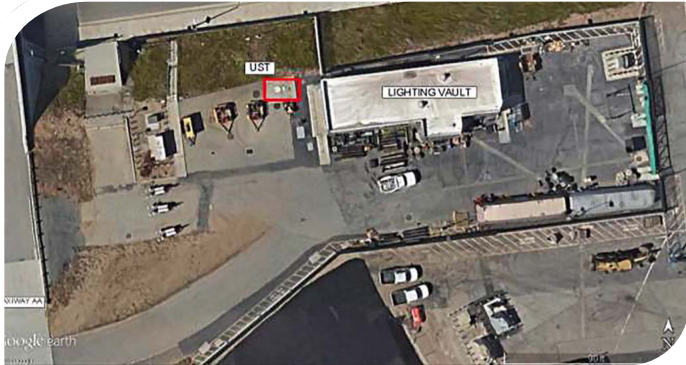
This project will repair and/or replace the expansion joint seals and drainage systems within Parking Structures 1, 3, 6 and 7 at LAX to prevent future leaking through the deck slabs and ponding of water on the surfaces. The scope of work includes replacing expansion joint seals and covers, replacing drainage piping, making improvements to the garage decks to correct surface drainage, and sealing the upper decks of the parking structures.

North Central Outfall Sewer (NCOS) Connection **LAX**

This project will capture the storm water flow in LAX's central/southwest area known as the Imperial Watershed and meet the requirements set forth in the Memorandum of Understanding (MOU) between LAWA and the Los Angeles Bureau of Sanitation (LA SAN). The scope of work includes installing a new connection from the LAX Pershing/Imperial Detention Basin to the NCOS Interceptor.

The Request for Bids is issued and responses are due in December 2016. The responses will be evaluated and a recommendation for award is targeted for March 2017.





LAX Lighting 1 Underground Storage Tank (UST) Removal

LAX

This project will remove all infrastructure associated with the existing 3,000-gallon diesel fuel UST system and replace it with an AST fuel system. In addition, the capacity of the fuel system will be expanded to accommodate needs for an emergency or supplemental diesel fuel supply for other airport operations.

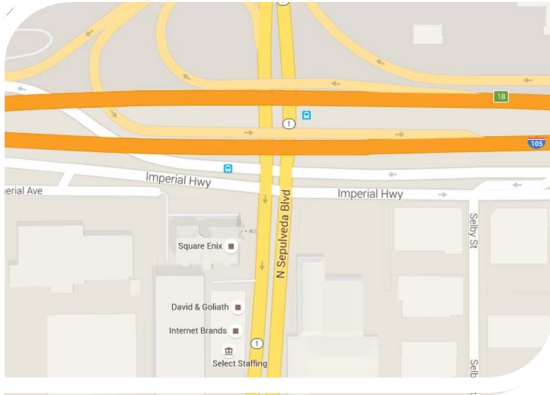
Fire Drill Training Facility Recommissioning

LAX

This project will return the LAX Fire Drill Training Facility to full operation for live jet fuel fire training exercises in order to comply with FAA regulations. The scope of work includes removal of the remaining two UST, all underground fuel piping, the original wastewater pretreatment system and remaining motor control and electrical panels. New infrastructure will include AST for jet fuel, waste fuel, water storage and a wastewater pretreatment system. New electrical panels and a new controls system will also be installed.

Staff is developing a bid package for release in the first quarter of 2017.





Bradley West Off-Airport Traffic Mitigation - Landside

LAX

This project will add a second northbound right turn lane on Sepulveda Boulevard at eastbound Imperial Highway in order to comply with the EIR for the Bradley West Project. This project will also implement similar improvements at the intersection of eastbound Arbor Vitae at Aviation Boulevard.

Staff is developing a bid package for this work effort.

ADA Improvements - Phase 3

LAX

Phase 3 will implement accessibility improvements at facilities that are on LAWA property and outside the CTA. These improvements are focused on parking spaces, curb ramps and sidewalks.

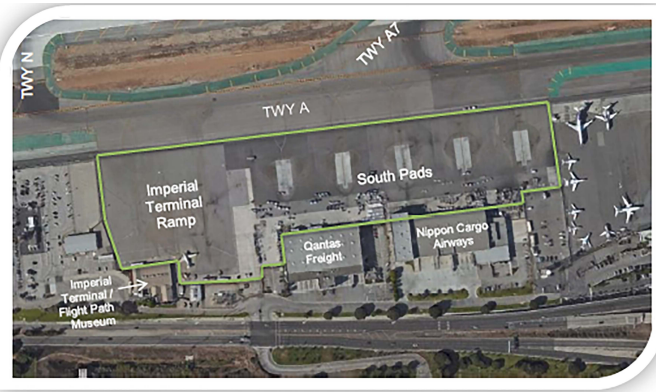


South Pads and Imperial Electrification

LAX

This project provides infrastructure to electrify five aircraft parking positions at the South Pads and two aircraft parking positions at Imperial Terminal by installing 400 Hz GPU and the infrastructure necessary for the future installation of electrical battery charging stations.

The design consultant selection process is complete and the designer is mobilizing staff. The design kick-off meeting is scheduled for late January 2017.

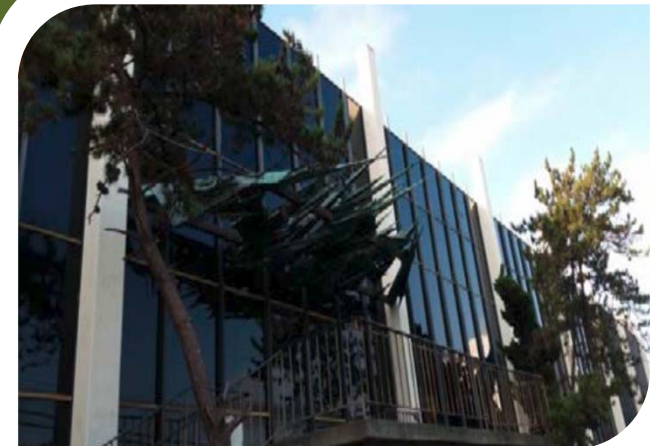


Continental G.O. Building Demolition

LAX

The goal of this project is to demolish the former Continental Airlines General Office (G.O.) Building. The scope of work includes hazardous material abatement, rectifying utilities serving adjacent facilities that are interconnected with utilities within the G.O. Building, and constructing new exterior wall skin in locations where removal of the G.O. building will result in exposing walls of adjacent and connected buildings.

The design effort is underway; with the utility relocation and airside fencing design efforts at 90% complete.





LAX Maintenance Yard Underground Storage Tank (UST) Removal

LAX

This project replaces the existing UST system, which is comprised of one 20,000 gallon unleaded fuel tank, one 10,000 gallon diesel fuel tank and one 1,000 gallon waste oil tank with a new expanded capacity AST system. The AST system will consist of two 12,000 gallon unleaded fuel tanks and two 12,000 gallon diesel fuel tanks that can accommodate needs for an emergency or supplemental fuel supply for airport operations.

Century Boulevard Vehicle Checkpoints

LAX

This project will examine prototypical elements (canopies, lighting, traffic controls) to enhance the vehicle checkpoints at the entrances to the CTA.

The procurement for design consultant services is underway



Manchester Square / Belford Demolition - Phase 3

LAX



The Manchester Square and Belford Demolition Program is designed to provide demolition of residences acquired through the Voluntary Residential Acquisition and Relocation Program. The properties are scheduled for demolition in order to minimize trespassing, vandalism, and to reduce property management costs. The demolition scope of work for this project includes legal disposal of demolition debris; abatement of asbestos, lead and other hazardous materials; all regulatory notifications; temporary and permanent fencing and site security; recycling of salvageable materials; dust and noise control; and site grading, irrigation and landscaping.

Acquisition of the remaining sites is underway; and bidding is underway for the demolition of sites that are already acquired.



CTA Exterior Pedestrian Wayfinding and Signage Project

LAX

This project seeks to enhance passenger experience throughout LAX by developing exterior wayfinding signage alternatives to create a uniform, effective signing system for pedestrians in the CTA.

The Planning team is advancing the Project Definition Book (PDB) and anticipates presenting it for the Design and Delivery team by March 2017.

**Bradley West Traffic Mitigations -
La Cienega Boulevard and I-405 S.B. Ramps**

LAX

This project will implement roadway enhancements at La Cienega Boulevard and the I-405 South Bound on- and off-ramps in order to comply with the EIR for the Bradley West Project.

The planning team is advancing the Project Definition Booklet (PDB) and anticipates presenting it in the second quarter of 2017.



Secured Area Access Post -Westside

LAX

This project will develop a uniform prototype for the Secured Area Access Posts (SAAP) at LAX. The SAAP's are outdated and in poor condition, operationally and physically. The primary focus of this project is to analyze locations for a new SAAP on the westside of LAX and design a prototype standard post facility for future improvements.



UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 1							
Central Utility Plant Program							
Close-out	Central Utility Plant	423,835	393,616	393,389	393,389	393,616	0
Subtotal: Central Utility Plant Program		423,835	393,616	393,389	393,389	393,616	0
Infrastructure Program							
Closed	Airport Response Coordination Center (ARCC)	8,175	13,723	13,723	13,723	13,723	0
Subtotal: Infrastructure Program		8,175	13,723	13,723	13,723	13,723	0
Subtotal: Capital Budget 1		432,010	407,339	407,112	407,112	407,339	0
Capital Budget 2							
Landside Program							
Close-out	New Face of CTA – Phase 2	70,528	75,651	72,860	70,891	73,580	2,071
Close-out	Second Level Roadway Expansion Joint and Deck Repairs	18,900	35,442	34,355	33,018	35,172	270
Closed	Coastal Dunes Improvement Project	3,000	2,140	2,140	2,140	2,140	0
Closed	Manchester Square / Belford Demolition Program	1,981	1,249	1,249	1,249	1,249	0

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY – (Cont.)

BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Closed	Jenny Lot Site Modifications	7,233	6,725	6,725	6,725	6,725	0
	Subtotal: Landside Program	101,642	121,207	117,329	114,023	118,866	2,341
	Subtotal: Capital Budget 2	101,642	121,207	117,329	114,023	118,866	2,341
	Capital Budget 3						
Close-out	Manchester Square / Belford Demolition Program - Phase 2	1,941	915	865	865	865	50
Close-out	Orange Line Busway (FlyAway Site)	1,059	480	416	416	416	64
Close-out	Electrical, Communications and Water Utility Ext. - 5th Feeder Project	23,033	25,322	23,960	22,304	24,689	633
Close-out	Taxi Holding Lot Relocation	8,213	10,171	9,907	8,964	10,066	105
Active	CTA - Landside Accessibility Improvements - Phase 2	7,344	7,344	6,103	4,397	6,555	788
Closed	Airport Police Dispatch Remodel	1,113	880	880	880	880	0
Closed	Building Roof Replacement - Phase 2 ⁽³⁾	2,787	2,238	2,238	2,238	2,238	0
Active	Lot C Improvements	946	946	1,187	808	1,394	(448)
Close-out	Construction Access Gates 21, 23 and 236	4,911	4,911	3,797	1,218	4,571	340
Close-out	VNY Land Improvements - Building Demo	154	154	124	96	124	30
Active	CTA Departure Level Security Bollards	5,657	5,657	3,921	253	5,100	557
Active	Imperial Cargo Complex Water Main Replacement	9,545	9,545	7,070	2,236	8,959	587
Active	FLSS Replacement - Child Care Center & Telecommunication Building	1,393	1,393	1,002	37	1,256	137
Close-out	Roofing Replacement - Support Facilities Phase 3	832	832	727	0	759	73
Active	RON West Electrification Project	9,732	9,732	7,108	356	8,804	928
Active	VNY Jet Center Underground Storage Tank (UST) Removal	637	637	422	25	591	46
	Subtotal: Capital Budget 3	79,297	81,157	69,727	45,093	77,267	3,890
	Utilities & Landside Element: Total	612,949	609,703	594,168	566,228	603,472	6,231

- Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.
 3. This budget is for Phase II work, and does not include the Phase I cost.

UTILITIES & LANDSIDE ELEMENT PROJECTS IN DEVELOPMENT BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Estimate	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Projects in Development							
	Drainage & Expansion Joint Seal Improvements for Parking Structures 1, 3, 6 & 7 (Phases 1 and 2)	8,400	TBD	43	43	TBD	TBD
	North Central Outfall Sewer (NCOS) Connection	4,000	TBD	1,200	726	TBD	TBD
	LAX Lighting 1 Underground Storage Tank (UST) Removal	1,748	TBD	0	0	TBD	TBD
	Fire Drill Training Facility Recommissioning	4,000	TBD	521	131	TBD	TBD
	Bradley West Off-Airport Traffic Mitigation - Landside <ul style="list-style-type: none"> • Sepulveda Boulevard at Imperial Highway • Arbor Vitae at Aviation Boulevard 	2,991	TBD	291	165	TBD	TBD
	ADA Improvements - Phase 3	1,694	TBD	67	1	TBD	TBD
	South Pads and Imperial Electrification	4,800	TBD	0	0	TBD	TBD
	Continental G.O. Building Demolition	24,000	TBD	309	79	TBD	TBD
	LAX Maintenance Yard Underground Storage Tank (UST) Removal	3,744	TBD	0	0	TBD	TBD
	Century Boulevard Vehicle Checkpoints	2,240	TBD	0	0	TBD	TBD
	Manchester Square / Belford Demolition - Phase 3	8,000	TBD	300	0	TBD	TBD
	Utilities & Landside Element: Projects in Development	65,617	TBD	2,731	1,145	TBD	TBD

Notes: 1. The Estimate Column provides an overall order-of-magnitude forecast of the total project cost. It is for planning purposes only and will vary as the scope is refined and the design is progressed. A project will move into the Element and a budget will be established when the Board of Airport Commissioners (BOAC) approves the scope.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

UTILITIES & LANDSIDE ELEMENT CHANGE ORDERS

MONTH OF: 11/30/2016

Project	Contract	Change Order No	\$0 - \$150K	\$150K - \$1Mil	> \$1Mil	Description
UTILITIES & LANDSIDE ELEMENT						
DA-4879 - NF2, SLR, WWS PROJECT						
11/11/2016	DA-4879	0110	\$7,510			SLR - Hinge 55 Right Side Curb-Railing Reconstruct for B Seal

TERMINAL ELEMENT PROJECTS IN DELIVERY

Elevators and Escalators Replacement

Project Description

This project will upgrade/replace all aging elevators, escalators and moving walkways at LAX, which have exceeded their useful life expectancy. These units will be upgraded/replaced in four staggered Priority Groups.

Recent Project Achievements

The Priority No. 1, 2 and 3 units are complete.

For Priority No. 4 Parking Garage Replacements, the contractor completed 2 units in November 2016, specifically a total of 14 units are returned to service.

Budget Status

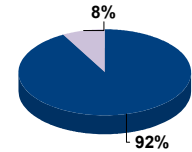
The project is trending on budget.



Schedule Status

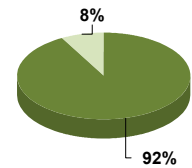
The project is 126-days behind schedule, due to procurement issues and restrictions based on LAWA's operational concerns. The project team is reviewing the impact and working with the exterior metal panel supplier to negotiate an accelerated delivery time to help mitigate the delay.

Project Cost



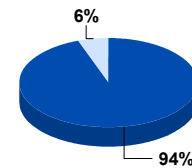
Cost To Date:\$220.66M
Cost Remaining:\$19.23M
Total Cost(EAC): \$239.89M

Construction Cost



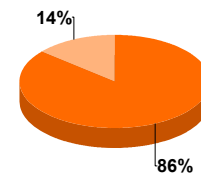
Incurred Cost: \$171.53M
Cost Remaining: \$15.13M
Const. Cost Total:\$186.65M

Construction Duration



Days Elapsed: 2,715
Days Remaining: 160
Days Total: 2,875

Contingency



Allocated Contingency: \$55.74M
Remaining: \$9.09M
Total Contingency: \$64.83M

As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Elevators and Escalators Replacement - Phase 4 - Parking Garage Elevators (Construction)					
Phase 4 - Parking Garage Elevators - Construction NTP		Started	31-Oct-14		
Phase 4 - Parking Garage Elevators - Substantial Completion		●		28-Apr-17	-126
Status ● Awaiting NTP ● Behind Schedule ○ Target Milestone ● Requires Mitigation ● On-Time					

Project Description

The Bradley West project provided an opportunity for LAWA to salvage fifteen PBBs and associated equipment manufactured between 2006 and 2009. All ten Gates at Terminal 2 will receive refurbished PBBs from TBIT, instead of seven Gates as in the original scope. In addition, all ten gates will receive a combination of new or refurbished preconditioned air units and potable water cabinets, and new 400 Hz ground power units.

Recent Project Achievements

In November 2016, the contractor completed functional testing at Gate 25 and it was turned over to the airline for operational use.

Budget Status

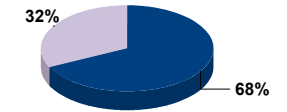
The project is trending on budget.

Schedule Status

The project is tracking to schedule.

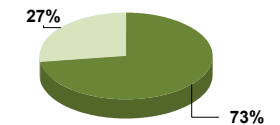


Project Cost



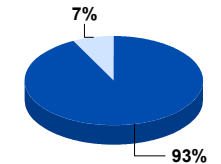
Cost To Date: \$16.97M
Cost Remaining: \$8.06M
Total Cost (EAC): \$25.03M

Construction Cost



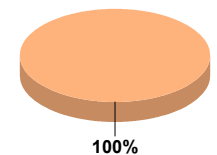
Incurred Cost: \$12.80M
Cost Remaining: \$4.78M
Const. Cost Total: \$17.58M

Construction Duration



Days Elapsed: 1,177
Days Remaining: 94
Days Total: 1,271

Contingency



Allocated Contingency: (\$0.06)M
Remaining: \$2.67M
Total Contingency: \$2.61M

As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Passenger Boarding Bridge Relocation (Construction)					
Passenger Boarding Bridge Relocation - Phase 3 (Gates 24, 25, 27) - Construction NTP		Started	21-Aug-15		
Passenger Boarding Bridge Relocation - Phase 3 (Gates 24, 25, 27) - Substantial Completion		●		3-Mar-17	0

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

Project Description

This project implements thirteen Terminal Main Point of Entry (MPOE) and IT Rooms within the existing terminals (Terminal 4, 5, 6, 7 and 8). These IT rooms provide an industry-standard, clean and secure, permanent space for the next generation of network switching, application servers and other IT support equipment.



Recent Project Achievements

During November 2016, the contractor placed equipment and electrical panels in Terminal 5 Room No. 5117.

The contractor also continued wall framing and finishing work in Terminal 7 Room No. 7229.

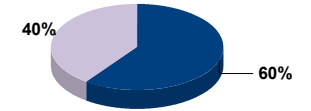
Budget Status

The project is trending on budget.

Schedule Status

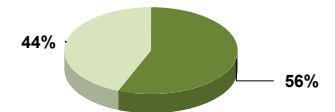
The project is 11-days behind schedule, due to delays with the required tenant moves. The contractor and project team are working to mitigate any further delays.

Project Cost



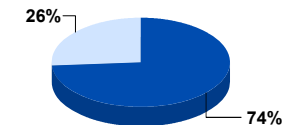
■ Cost To Date: \$16.88M
 □ Remaining: \$11.19M
Total Cost (EAC): \$28.06M

Construction Cost



■ Incurred Cost: \$11.14M
 □ Cost Remaining: \$8.71M
Const. Cost Total: \$19.84M

Construction Duration



■ Days Elapsed: 551
 □ Days Remaining: 195
Days Total: 746

Contingency



■ Allocated Contingency: \$0.89M
 □ Remaining: \$0.98M
Total Contingency: \$1.87M

As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Terminal MPOE and IT Room Expansion (Construction)					
Terminal MPOE and IT Room Expansion - Construction NTP		Started	29-May-15		
Terminal MPOE and IT Room Expansion - Substantial Completion		●		23-Jun-17	-11
Status Legend					
● Awaiting NTP	○ Target Milestone	● Behind Schedule			
● On-Time	● Requires Mitigation				

Terminal Fire Life Safety (FLS) System Improvements

Project Description

This project will update the level of compliance to fire and life safety-related code requirements commensurate with current codes, without a complete retroactive compliance to the latest code for the entire building. This project will also make modifications to the terminals to meet the requirements set forth in the Master Exiting Exhibits for Terminals 2, 4, 5, 6, 7 and 8 and the Los Angeles Fire Department requirements. This scope of work includes tunnel sprinklers, horizontal exits, standpipes and exit stairs.

Recent Project Achievements

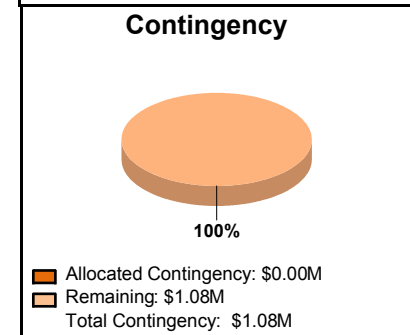
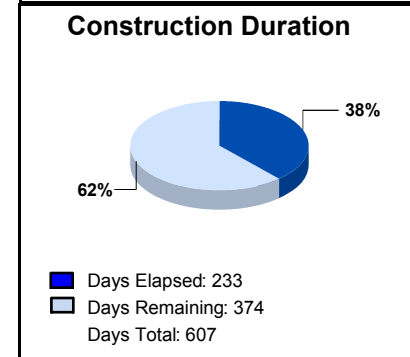
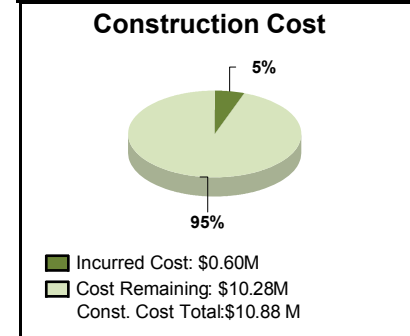
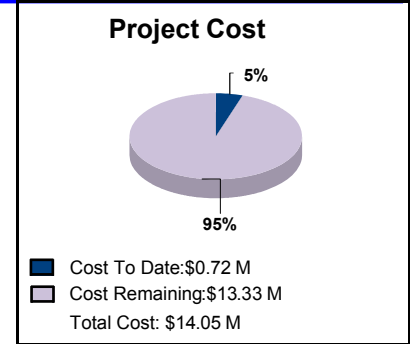
In November 2016, the Fire Protection permit set drawings were received for each terminal. The contractor commenced installing the fire protection piping work at Terminal 7.

Budget Status

The project is trending on budget.

Schedule Status

The project is tracking to schedule.



As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Terminal Fire Life Safety (FLS) System Improvements (Construction)					
Terminal Fire Life Safety (FLS) System Improvements - Construction NTP		Started	11-Apr-16		
Terminal Fire Life Safety (FLS) System Improvements - Substantial Completion		●		8-Oct-17	0
Status ● Awaiting NTP ○ Target Milestone ● Behind Schedule ● Requires Mitigation ● On-Time ● Requires Mitigation					

TERMINAL ELEMENT PROJECTS IN DELIVERY

CTX UPS Power Reliability for Sensitive Equipment

Project Description

The CTX Uninterruptible Power Supply (UPS) Infrastructure project will provide power reliability and conditioning in Terminals 5, 6, and TBIT south. The UPS equipment will allow the CTX machines to operate continuously during power losses and prevent emergency restarting. The UPS project provides the infrastructure for TSA supplied UPS for half of the CTX machines in each of the existing in-line systems in terminals. As new systems are put in place, they will include UPS to support the CTX machines.

Recent Project Achievements

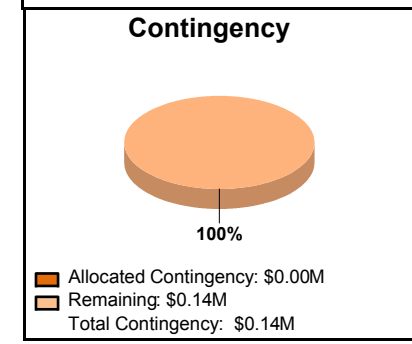
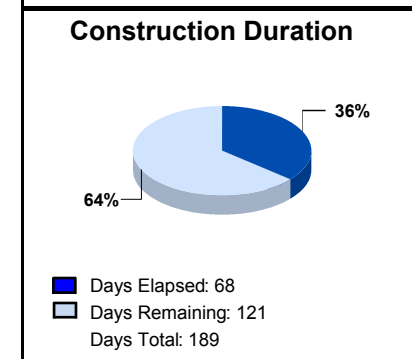
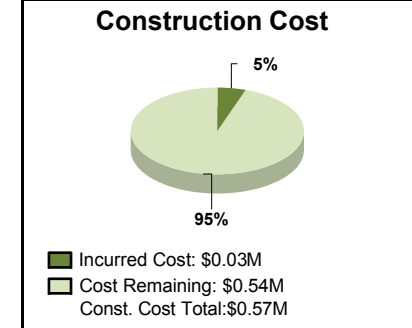
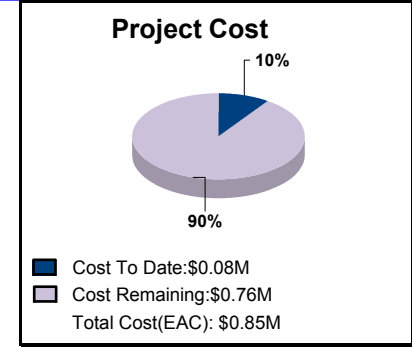
During November 2016, the contractor completed conduit installation in Terminal 5.

Budget Status

The project is trending on budget.

Schedule Status

The project is tracking to schedule.



As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
CTX UPS Power Reliability for Sensitive Equipment (Construction)					
CTX UPS Power Reliability for Sensitive Equipment - Construction NTP		Started	23-Sep-16		
CTX UPS Power Reliability for Sensitive Equipment - Substantial Completion		●		31-Mar-17	0
Status ● Awaiting NTP ● Behind Schedule ○ Target Milestone ● Requires Mitigation ● On-Time					

Project Description

Terminal 2 is the second largest international terminal at LAX. The terminal is approximately 30-years old and in need of improvements. LAWA initiated a Terminal 2 Improvement Program designed to significantly improve the terminal's level of service. This improvement program will provide major upgrades to the ticket lobby, baggage screening, baggage claim, and concourse areas, as well as construction of all new concessions and upgrades of all systems (electrical, mechanical, telecom, etc.) that serve the terminal.

Recent Project Achievements

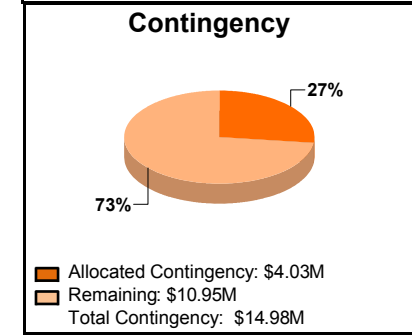
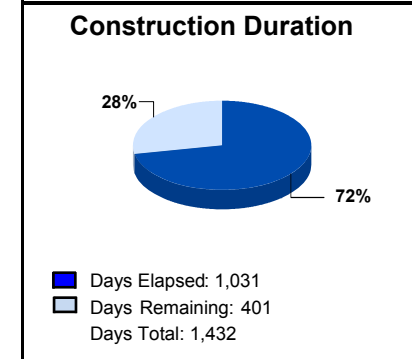
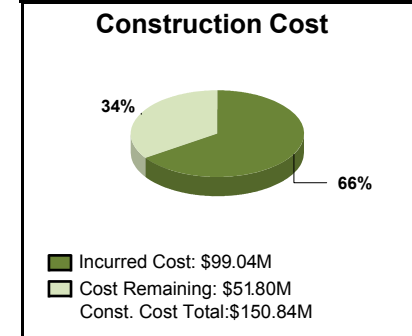
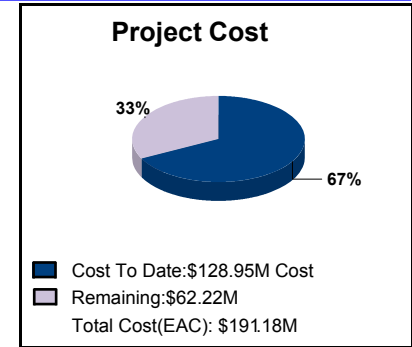
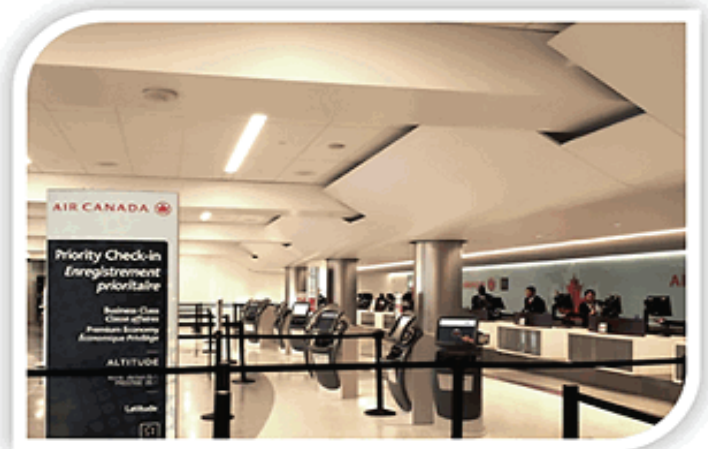
During November 2016, the contractor achieved substantial completion for the SSCP Departure level. The contractor also made significant progress in the Aeromexico, Volaris and West Jet ticket counter area.

Budget Status

The project is trending on budget.

Schedule Status

The contractor is completing significant interim milestones, such as the SSCP, as per the plan. However, the overall Terminal 2 Improvement project is currently 4-months behind schedule, primarily resulting from past unknown panel load and mold issues. The contractor and project team are developing approaches to accelerate and recover a significant portion of that delay.



As of: November 30

	Status	Construction Start	Construction Finish	Variance to BL Finish
Terminal 2 Improvement Program (Construction)				
T2 Finishes - Milestone 4 - Domestic Baggage and Ticketing Fit and Finish Complete	●		9-Dec-16	4
T2 FIS - Milestone 2 - Phase 1 Construction Complete	●		14-Feb-17	2
T2 SSCP - Construction NTP	Started	15-Jul-15		
T2 SSCP - Substantial Completion	Complete		17-Nov-16	
T2 Systems - Milestone 4 - T2 IT MPOE Rooms Complete & Accepted by LAWA	Complete		9-Nov-16	
T2 Systems - Milestone 6 - T2 Standby Power Complete	●		15-Nov-17	-146
T2 Systems - Milestone 7 - Electrical Upgrade Complete	●		22-Nov-17	-128
T2 Systems - Milestone 8 - Overall Construction - Substantial Completion	●		10-May-18	-126

Status Legend:

- Awaiting NTP
- Target Milestone
- On-Time
- Behind Schedule
- Requires Mitigation

Project Description

The Terminal 6 Electrical Upgrade project replaces or adds the following new equipment to 22 Electrical Rooms and 43 other terminal locations:

- 4 Switchgear
- 89 Panelboards
- 4 Motor Control Centers
- 17 Transformers
- 1 Emergency Generator



Recent Project Achievements

Through November 2016, 64% of the new equipment in all locations has been cutover with their loads transferred.

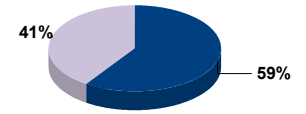
Budget Status

The project is trending on budget.

Schedule Status

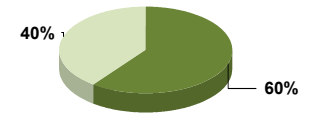
The project is trending 26-days behind schedule, primarily due to early administrative issues, which have been resolved, and the late arrival of specialized ducting material, which the contractor and project team are working to mitigate.

Project Cost



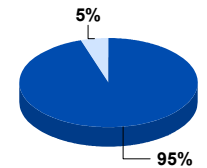
■ Cost To Date:\$17.15M Cost
 ■ Remaining:\$11.69M
 Total Cost(EAC): \$28.84M

Construction Cost



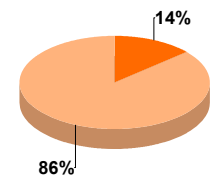
■ Incurred Cost: \$13.06M
 ■ Cost Remaining: \$8.63M
 Const. Cost Total:\$21.69M

Construction Duration



■ Days Elapsed: 722
 ■ Days Remaining: 39
 Days Total: 761

Contingency



■ Allocated Contingency: \$0.32M
 ■ Remaining: \$2.03M
 Total Contingency: \$2.35M

As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
Terminal 6 Electrical Upgrades Project (Construction)				
Terminal 6 Electrical Upgrades Project - Construction NTP	Started	9-Dec-14		
Terminal 6 Electrical Upgrades Project - Substantial Completion	●		2-Feb-17	-26

Status	
● Awaiting NTP	● Behind Schedule
○ Target Milestone	● Requires Mitigation
● On-Time	

TERMINAL ELEMENT PROJECTS IN DEVELOPMENT



Airport Police Canine Facility Relocation

LAX

This project will relocate the Police Canine facility from Imperial Highway to the north side of LAX. The existing facility does not meet current standards.

Staff is examining alternate locations for the Canine Facility, pending approval from Executive Management.

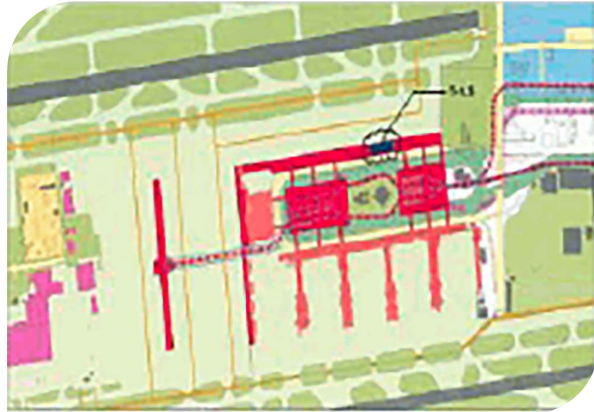
Theme Building Tenant Enabling Project

LAX

This project will implement strategic tenant improvements without triggering extensive infrastructure and building code improvements. These strategic improvements include hazardous material remediation, selective demolition of interior floors, ceilings and walls and prepare for future connections to utility infrastructure.

The recommendation to approve a Component Guaranteed Maximum Price to perform this work will be scheduled for December 2016 Board approval.





Terminal 1.5 Program

LAX

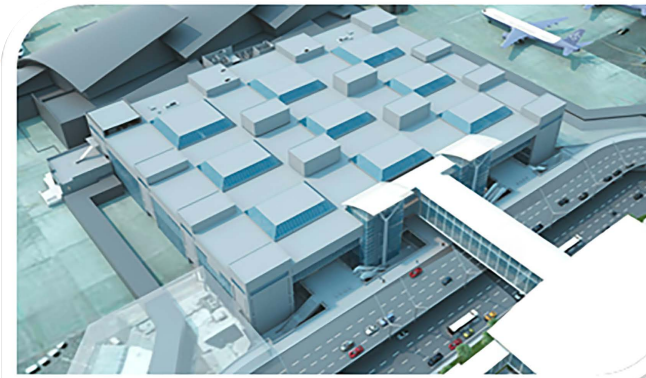
This project provides a facility to process passengers; including new ticketing areas, and passenger/baggage screening capabilities. Work includes a baggage claim facility, secure and non-secure connections between Terminals 1 and 2, along with a bus port to provide airside connection to other terminals.

**Terminal 5 Core & APM Interface /
TBIT Core & APM Interface**

LAX

This project will provide the vertical circulation elements in TBIT and Terminal 5 to accommodate passenger circulation and connections to and from the APM stations and parking garages.

The Planning team is advancing the Project Definition Book (PDB) and anticipates presenting it for the Design and Delivery team by March 2017.



TERMINAL ELEMENT PROJECTS IN DELIVERY BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 1							
Bradley West Program							
Close-out	Bradley West Core Renovation/East Ramp and Concourse Demo Project	273,170	374,790	369,629	340,874	379,535	(4,746)
Close-out	Bradley West Traffic Mitigations -World Way South/Center Way	735	2,166	2,131	1,976	2,166	0
Close-out	Art In Public Places	5,360	5,360	3,221	3,221	3,221	2,139
Closed	Bradley West Gates	906,474	869,332	869,332	869,332	869,332	0
Closed	Bradley West Core Improvements	808,364	818,004	818,004	818,004	818,004	0
Closed	New Face of CTA - Phase 1	43,270	50,783	50,783	50,783	50,783	0
Closed	Construction Traffic Mitigations	3,542	2,061	2,061	2,061	2,061	0
	Subtotal: Bradley West Program	2,040,915	2,122,496	2,115,161	2,086,251	2,125,102	(2,607)
Elevator & Escalator Program							
Active	Elevators and Escalators Replacement	270,000	226,026	219,127	208,316	222,007	4,019
	Subtotal: Elevator & Escalator Program	270,000	226,026	219,127	208,316	222,007	4,019
	Subtotal: Capital Budget 1	2,310,915	2,348,522	2,334,288	2,294,567	2,347,109	1,412

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
 2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

TERMINAL ELEMENT PROJECTS IN DELIVERY – (Cont.) BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 2							
Terminal-wide Improvements							
Close-out	ADA Accessibility Improvements – Phase 1	2,000	4,540	4,373	4,251	4,384	156
Close-out	Concessions Enabling Project	3,445	1,585	1,576	1,543	1,585	0
Active	Passenger Boarding Bridge Relocation	21,667	27,414	21,909	16,968	25,032	2,382
Active	Terminal MPOE and IT Room Expansion	25,943	28,803	25,836	16,876	28,061	742
Closed	Fire Life Safety System Upgrades T1 & T2	5,300	3,210	3,210	3,210	3,210	0
Subtotal: Terminal-wide Improvements		58,355	65,552	56,904	42,848	62,272	3,280
Terminal 2							
Active	Terminal 2 Improvements <ul style="list-style-type: none"> • Electric meter reading • Electrical Systems / AHU Replacement • Ticket / Bag Claim / FIS renovation • IT Infrastructure / Paging • SSCP Improvements 	204,914	199,914	183,445	128,955	191,179	8,735
Subtotal: Terminal 2		204,914	199,914	183,445	128,955	191,179	8,735
Terminal 3							
Close-out	Terminal 3 Improvements <ul style="list-style-type: none"> • FLSS/ADA/Nursing Room/Other 	6,130	6,130	4,964	2,223	5,701	429
Closed	• Terminal 3 Backfill Project	5,846	6,569	6,569	6,569	6,569	0
Subtotal: Terminal 3		11,976	12,699	11,533	8,792	12,270	429
Terminal 4							
Close-out	Terminal 4 Connector Building	114,318	114,496	111,713	110,230	114,087	409
Subtotal: Terminal 4		114,318	114,496	111,713	110,230	114,087	409

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

TERMINAL ELEMENT PROJECTS IN DELIVERY - (Cont.) BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
	Tom Bradley International Terminal						
Closed	TBIT EDS OS1 and OS2	3,187	2,904	2,904	2,904	2,904	0
	Subtotal: Tom Bradley International Terminal	3,187	2,904	2,904	2,904	2,904	0
	Terminal 6						
Active	Terminal 6 Improvements • Terminal 6 Electrical Upgrades Project	32,627	30,627	26,083	17,151	28,840	1,787
	Subtotal: Terminal 6	32,627	30,627	26,083	17,151	28,840	1,787
	Terminal 7 /8						
Closed	Terminal 7 Restroom Enhancements	6,159	599	599	599	599	0
	Subtotal: Terminal 7 /8	6,159	599	599	599	599	0
	Subtotal: Capital Budget 2	431,536	426,791	393,181	311,479	412,151	14,640
	Capital Budget 3						
Active	Elevators and Escalators Replacement	0	18,574	17,460	12,347	17,881	693
Close-out	Bradley West Core Renovation/East Ramp and Concourse Demo Project	0	8,665	6,309	6,286	8,262	403
	Terminal-wide Improvements						
Close-out	Nursing Rooms & Pet Relief Areas	1,620	1,620	1,765	1,521	1,779	(159)
Active	Terminal Fire Life Safety (FLS) System Improvements	15,133	15,133	11,036	722	14,050	1,083
Active	CTX UPS Power Reliability for Sensitive Equipment	987	987	700	81	846	141
	Subtotal: Terminal-wide Improvements	17,740	17,740	13,501	2,324	16,675	1,065
	Subtotal: Capital Budget 3	17,740	44,979	37,270	20,957	42,818	2,161
	Terminal Element: Total	2,760,191	2,820,292	2,764,739	2,627,003	2,802,078	18,213

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

TERMINAL ELEMENT PROJECTS IN DEVELOPMENT BUDGET OVERVIEW AS OF: 11/30/2016

(dollars in thousands)							
Status	Description	Estimate	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Projects in Development							
	Airport Police Canine Facility	TBD	TBD	1,388	6	TBD	TBD
	Theme Building Tenant Enabling Project	TBD	TBD	0	0	TBD	TBD
	None at present						
Terminal Element: Projects in Development							

- Notes: 1. The Estimate Column provides an overall order-of-magnitude forecast of the total project cost. It is for planning purposes only and will vary as the scope is refined and the design is progressed. A project will move into the Element and a budget will be established when the Board of Airport Commissioners (BOAC) approves the scope.
2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

TERMINAL ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS

MONTH OF: 11/30/2016

Project Contract	Change Order No	\$0 - \$150K	\$150K - \$1Mil	> \$1Mil	Description
TERMINAL ELEMENT					
DA-4923 - PARKING GARAGE ELEVATOR UPGRADES					
11/3/2016 DA-4923	0072	\$9,317			PS101 Elevator 1 & 2 Added Steel and Concrete at Level 4
11/3/2016 DA-4923	0073	\$2,117			Mechanical Pad Relocation - Planter Extension
11/8/2016 DA-4923	0074	\$51,344			HEL- PS401 Level 5 Metal Grating Access Panel, Grating Revisions and Topping Slab/Leveling
11/16/2016 DA-4923	0075	(\$33,295)			Revise PS701 Egress Photometrics
11/18/2016 DA-4923	0076	\$35,445			HEL - PS401 Dry Standpipe Configuration and Hydro Testing
11/28/2016 DA-4923	0077	\$24,163			PS601 Installation Method of F9 Fixtures
11/30/2016 DA-4923	0078	\$7,810			Replace Additional F9 Fixtures at PS101
DA-4779 - TERMINAL MPOE AND IT ROOM EXPANSION					
11/2/2016 DA-4779	0032	\$2,197			ITMP - T4 Room 4215 PAC Relocation
11/2/2016 DA-4779	0033	(\$365)			T4-Room 4215 Existing Power to New Outlets
11/8/2016 DA-4779	0034	\$324			T4-T8 Local Area Network Requirements
DA-4779-PBB - PASSENGER BOARDING BRIDGES RELOCATION					
11/29/2016 DA-4779	0039	\$69,374			Hazardous Material Investigation and Removal February 2016 - March 2016
DA-4798 - T-4 CONNECTOR - TURNER					
11/11/2016 DA-4798	0200	\$13,955			Revised T4C Signage Per LAWA & Fire Marshal
11/11/2016 DA-4798	0201	\$149,997			Temporary Carousel Cut Over
11/15/2016 DA-4798	0202	\$39,498			Replace 1505E SSCP Storefront Door
11/16/2016 DA-4798	0203	(\$44,633)			Unused Allowance Transfer to Owner Contingency
11/16/2016 DA-4798	0204	\$10,744			T4 Connector - T4 Trailer Office Extension
11/16/2016 DA-4798	0205	(\$11,660)			Credit for Not Installing New 10" Fire Water Line per CD 0063
11/18/2016 DA-4798	0206	(\$21,104)			CREDIT - Uninstalled Additional Lights Below Conveyors at T4 BHS ROW
11/18/2016 DA-4798	0207	\$35,937			TBIT to T4 Connector SSCP Level 1 Double Doors

TERMINAL ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS

MONTH OF: 11/30/2016

Project	Contract	Change Order No	\$0 - \$150K	\$150K - \$1Mil	> \$1Mil	Description
TERMINAL ELEMENT						
DA-4779-T2SF - TERMINAL 2 RENOVATION (DA-4779-T2SF)						
11/3/2016	DA-4779	0088	\$0			Room 1018A Delay due to West Restrooms Delay
11/1/2016	DA-4779	0103	(\$29,950)			CGMP 03.03-103 ZEROS OUT 03.03-88 TO CANCEL CGMP DUE TO OUT OF DATE WHEN TIA APPROVED, REFER TO 03.03-104 FOR REVISED CGMP
11/1/2016	DA-4779	0104	\$29,950			Soap Reservoir Framing and Location
11/2/2016	DA-4779	0105	(\$10,236)			CGMP 03.03-105 ZEROS OUT 03.03-68 TO CANCEL CGMP DUE TO OUT OF DATE WHEN TIA APPROVED, REFER TO 03.03-106 FOR REVISED CGMP
11/2/2016	DA-4779	0106	\$10,236			Additional Wall Demolition in Restrooms 2035 and 2041 due to Rusted Stud Framing
11/2/2016	DA-4779	0107	\$0			Water Testing Atrium Restrooms
11/2/2016	DA-4779	0108	\$23,007			T2FI - BIDS Conduit Routing and Stainless Steel Conveyor Rework
11/2/2016	DA-4779	0109	\$0			D2.5 HHW Pipe Tie In - RFI T2FI-0415
11/3/2016	DA-4779	0110	\$4,188			Fire-Rated Soffit Under Atrium Escalators
11/3/2016	DA-4779	0111	\$0			Atrium Restrooms Additional Plumbing Scope in CBP Office
11/3/2016	DA-4779	0023	\$5,841			2AHU - Room 4521 Temp Power for RF7, 8, and 12
11/7/2016	DA-4779	0024	\$6,337			2AHU - Room 4503 Temp Power for RF 4 and 6
11/3/2016	DA-4779	0003	\$0			T2 SSCP TIA #1 VE Process Time Impacts

Project Description

Enabling Projects will prepare the site for the New MSC. Projects under the umbrella of this grouping include relocation of FAA equipment, installation of new communication duct banks, pulling of new communication fiber lines, construction of a temporary power substation with associated distribution lines as well as various physical investigation and demolition tasks.

Recent Project Achievements

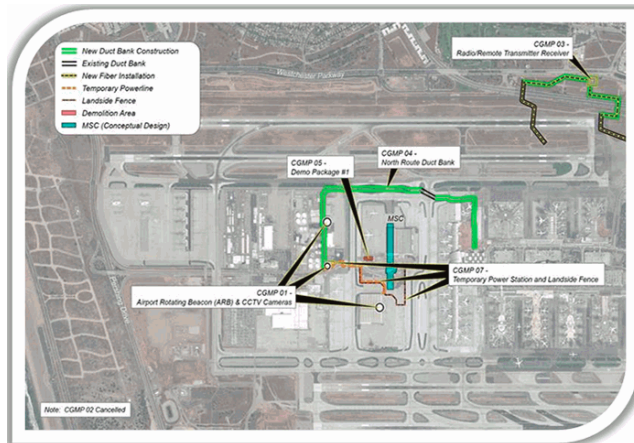
During November 2016, the contractor completed the environmental abatement work at the Coast Guard Hangar site and commenced disconnecting the utilities that feed the hangar.

Budget Status

The project is trending on budget.

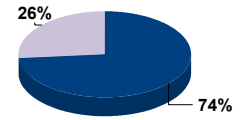
Schedule Status

The project is tracking to schedule.



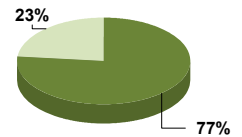
As of: November 30		Status	Construction Start	Construction Finish	Variance to BL Finish
Midfield Satellite Concourse - Enabling (Construction)					
Issue Administrative Notice To Proceed (NTP)		Started	17-Sep-14		
cGMP #8 - Coastguard Hangar Demo - NTP		Started	11-Oct-16		
cGMP #8 - Coastguard Hangar Demo - Substantial Completion		●		15-Mar-17	0
Status ● Awaiting NTP ○ Target Milestone ● On-Time ● Behind Schedule ● Requires Mitigation					

Project Cost



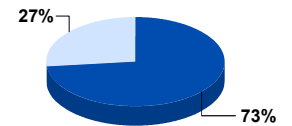
■ Cost To Date:\$49.80M
 □ Cost Remaining:\$17.74M
 Total Cost(EAC): \$67.54M

Construction Cost



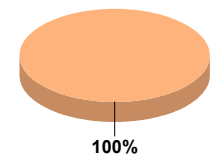
■ Incurred Cost: \$36.74M
 □ Cost Remaining: \$11.12M
 Const. Cost Total:\$47.86M

Construction Duration



■ Days Elapsed: 804
 □ Days Remaining: 293
 Days Total: 1,097

Contingency

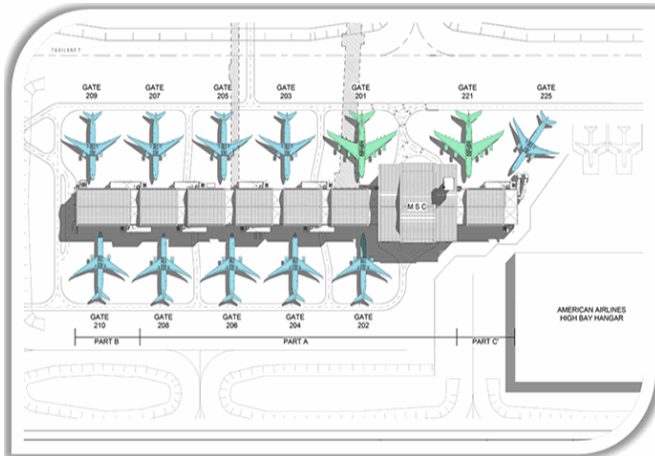


■ Allocated Contingency: (\$0.21)M
 □ Remaining: \$5.90M
 Total Contingency: \$5.69M

Project Description

The MSC will function primarily as an international departure and arrival concourse. The MSC will have a flexible flight line allowing it to accommodate both wide and narrow body aircraft.

Part A, the North Concourse, includes 9 wide body gates. Part B, the North Extension, includes 2 wide body gates and Part C, the South Concourse, includes 8 wide body gates. The scope of the MSC project includes the construction of Part A, Part B, and 1 gate of Part C for a total of 12 gates. A Passenger Tunnel and Gateway Building will connect the MSC to the TBIT. A separate Baggage/Utility Tunnel will also be constructed between the MSC and TBIT. New aprons will be constructed on both sides of the MSC and Taxiway C12 will be constructed west of the MSC.



Recent Project Achievements

In November 2016, the Board approved the Guaranteed Maximum Price (GMP) and the revised project budget.

The contractor has mobilized trailers to the site and commenced the early site preparation and slab demolition work.

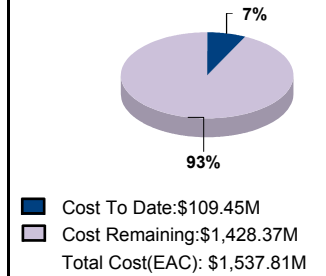
Budget Status

This project is reporting a negative variance, due to a number of scope decisions that were made during the design duration. The revised budget was approved by the Board on November 17, 2016. Staff have commenced the administrative process required to increase the budget and resolve the negative variance.

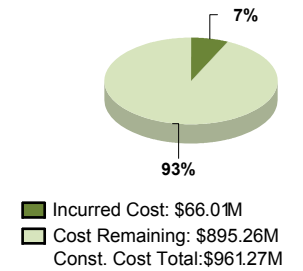
Schedule Status

The project is tracking to schedule.

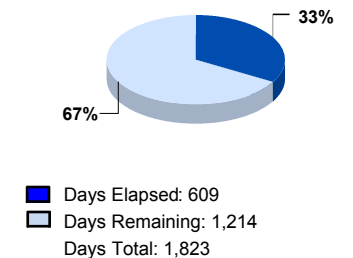
Project Cost



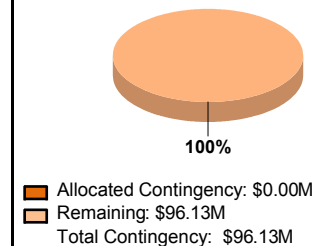
Design/Const. Cost



Design/Const. Duration



Contingency



As of: November 30	Status	Construction Start	Construction Finish	Variance to BL Finish
Midfield Satellite Concourse - North Gates				
MSC North Gates - NTP Phase 1	Started	1-Apr-15		
MSC North Gates - GMP (60%) - BOAC Approval	Complete		17-Nov-16	
MSC North Gates - NTP Phase 2	Behind Schedule		13-Dec-16	-25
MSC North Gates - CDs and Specifications Complete	On-Time		18-May-17	
Baggage Optimization Program (BOP) - BOAC Approval	On-Time		6-Apr-17	
Baggage Optimization Program (BOP) - N. Baggage Structure and Far East Tunnel - Substantial Completion	On-Time		28-Nov-19	0
Baggage Optimization Program (BOP) - North Tunnel - Substantial Completion	On-Time		7-Jan-20	0
MSC North Gates - Substantial Completion	On-Time		28-Nov-19	0
MSC North Gates - Final Acceptance	On-Time		21-Jul-20	0

Status	
	Awaiting NTP
	Target Milestone
	On-Time
	Behind Schedule
	Requires Mitigation

(dollars in thousands)							
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
	Capital Budget 3						
Active	MSC Enabling Project	74,990	75,982	61,882	49,799	67,541	8,442
Active	MSC North Gates	1,248,650	1,248,650	1,021,175	109,448	1,537,814	(289,164)
	Subtotal: Capital Budget 3	1,323,640	1,324,632	1,083,057	159,247	1,605,355	(280,722)
	MSC Element: Total	1,323,640	1,324,632	1,083,057	159,247	1,605,355	(280,722)

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.
2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

MSC ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS

MONTH OF: 11/30/2016

Project Contract	Change Order No	\$0 - \$150K	\$150K - \$1Mil	> \$1Mil	Description
MSC ELEMENT					
DA-4924 - MSC NORTH ENABLING PROJECT					
11/16/2016 DA-4924	0013	\$23,418			CGMP 06 - Reinstated Scope for Existing 288 and 96 Strand Terminations
11/17/2016 DA-4924	0058	\$12,424			CGMP 07 - 25-Pair Copper Cable to IS-5487 Phone Line
DA-4971 - MIDFIELD SATELLITE CONCOURSE NORTH (MSC)					
11/8/2016 DA-4971	0006			\$355,337,070	Change Order #0006 - GMP for Construction of the Midfield Satellite Concourse North
DA-5040 - QANTAS HANGAR DEMO					
11/14/2016 DA-5040	0009	\$34,077			Removal of American Airlines Blast Fence
11/15/2016 DA-5040	0010	\$14,484			Remove Dead Men and Miscellaneous Concrete
11/16/2016 DA-5040	0011	(\$16,820)			Outstanding Credit back to LAWA



Terminal Commercial Management (TCM)

LAX

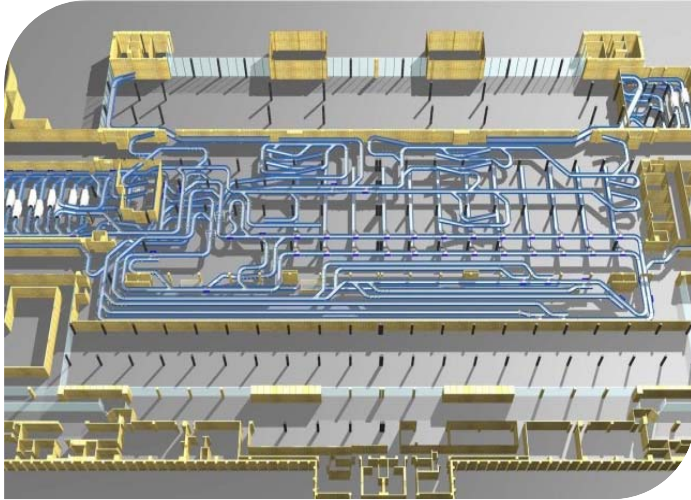
The Terminal Commercial Management (TCM) agreements provide for the development, leasing and management of convenience retail, specialty retail, food and beverage and certain other passenger services in Terminals 1, 2, 3, 6, TBIT and the Theme Building. In support of the development activities required in the TCM agreements, the TCM and its concession tenants anticipate at least \$160.5 million in initial premise improvements and up to another \$74.5 million in non-premise (public seating, restrooms, common area enhancements, etc.) improvements to the terminal facilities and Theme Building. The details of the investment program, by facility or area, are developed in the form of a Definitive Improvement Plan (DIP) which requires LAWA review and approval. Each DIP identifies the premises to be incorporated into the respective TCM agreement and the cost of any related non-premises improvements. In accordance with the TCM agreements, the development and investment in non-premises improvements in the

terminal facilities and Theme Building are capital assets to be acquired by LAWA subject to Board approval of each DIP.

Terminal 1

Southwest Airlines is undergoing a major renovation program for Terminal 1. These renovations include: improvements to the passenger security screening checkpoint; the design and implementation of a new inline Checked Baggage Inspection System (CBIS) and baggage sorting system; upgraded holdrooms and associated building infrastructure; refurbished arrival/baggage claim area; replacement of the passenger boarding bridges; renovations to airline support office space; and the replacement of aircraft paving sections and associated fuel hydrant pit locations.





Bradley West Outbound Baggage Handling System

LAX

This project enhances and modifies the existing TBIT In-line Baggage Handling System (BHS) to provide better processing and increased throughput of baggage to accommodate future predicted growth. This will be accomplished primarily by revamping the existing layout to provide more BHS Checked Baggage Inspection room.

Terminal 7 and 8

LAX

United Airlines is preparing a major renovation program for Terminal 7 and 8. These renovations include: improvements to the passenger SSCP; the design and implementation of a new inline Checked Baggage Inspection System (CBIS) and baggage sorting system for Terminals 7 and 8; upgraded holdrooms and associated building infrastructure; refurbished arrival/baggage claim area; replacement of the passenger boarding bridges; renovations to airline support office space; and constructing a new premium lounge and support office space.





Delta 2017 Move Program

LAX

This program includes minimum improvements to T2, T3, T5, T6, and TBIT in order to relocate the airlines currently located in T2 and T3 to T5, T6 and TBIT; and relocate Delta from T5 and T6 to T2 and T3. Scope includes improvements to public spaces, bus gates, ticketing space, IT, support and office space, airline club, gating reconfigurations and new PBB at TBIT and relocation of airlines.

User's Guide - Budget Reports

The information provided herein is designed to furnish users of the Planning and Development Group (PDG) Budget Reports with greater knowledge and a better understanding of the composition of the various components of the budget report.

Baseline Budget – For projects in Capital Budget 1, it is the estimated cost of the project as it was reported in the November 2009 report with the exception of the Crossfield Taxiway project, which is from the February 2009 Operating Statement (OS) budget report. For projects in Capital Budget 2 and 3, it is determined when the contract is awarded by the Board.

Current Budget - Is the estimated cost of the project as it was planned plus or minus any processed revisions.

Committed to Date - Is the total contractual obligation to date for the project, e.g. awarded design contracts, awarded construction contracts, authorized task orders, etc.

Incurred to Date - Is the total of invoices received to date for the project.

Estimate at Completion (EAC) - Is the latest estimate of the total cost of the project.

Variance - Is the difference between Budget minus Estimate at Completion (EAC).

(dollars in thousands)						
Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion (EAC)	Variance (Current Budget-EAC)
Capital Budget 1						
Airside Element	534,638	471,105	428,962	428,155	459,663	11,442
Terminal Element:						
Bradley West Program	2,040,915	2,122,496	2,115,161	2,086,251	2,125,102	(2,606)
Elevator & Escalator Program	270,000	226,026	219,127	208,316	222,007	4,019
Utilities & Landside Element:						
Central Utility Plant Program	423,835	393,616	393,389	393,389	393,616	0
Infrastructure Program	8,175	13,723	13,723	13,723	13,723	0
Residential/Soundproofing Element	180,000	153,377	153,377	153,377	153,377	0
CB1-Unallocated Contingency	N/A	52,500	N/A	N/A	0	52,500
Subtotal: Capital Budget 1		3,432,844	3,323,739	3,283,211	3,367,488	65,355
Capital Budget 2						
Airside Element	51,421	41,641	41,641	41,641	41,641	0
Terminal Element	431,536	426,791	393,181	311,479	412,151	14,640
Utilities & Landside Element	101,642	121,207	117,329	114,023	118,866	2,341
Residential/Soundproofing Element	1,317	1,124	1,124	1,124	1,124	0
CB2-Unallocated Contingency	N/A	42,361	N/A	N/A	0	42,361
Subtotal: Capital Budget 2		633,124	553,275	468,267	573,782	59,342
Capital Budget 3						
Airside Element	400,245	400,245	345,175	222,600	364,734	35,511
Terminal Element	17,740	44,979	37,270	20,957	42,818	2,161
Utilities & Landside Element	79,297	81,157	69,727	45,093	77,267	3,890
Midfield Satellite Concourse Element	1,323,640	1,324,632	1,083,057	159,247	1,605,355	(280,722)
CB3-Unallocated Contingency	N/A	2,567	N/A	N/A	0	2,567
Subtotal: Capital Budget 3		1,853,580	1,535,229	447,897	2,090,174	(236,593)
Projects in Development	N/A	N/A	2,781	1,195	N/A	N/A
Report Total		5,919,548	5,415,024	4,200,570	6,031,444	N/A

Notes: 1. The Baseline Budget and Current Budget will change as scope is approved by the Board of Airport Commissioners and moves from Development to Delivery.

2. This report is for project management purposes only. Amounts shown above as "Incurred to Date" for projects may reflect aggregate amounts for multiple project components tracked in LAWA's financial system. These amounts may differ from those reflected in LAWA's accounting systems, due to the timing of expense recognition or other accounting practices, and should not be relied upon for investment purposes.

Firm	Contract No.	Pledged Level of Participation	Achieved Participation to Date (See Note a)				Remarks
			SBE	DBE	M/WBE	OBE	
SBE PROCURED CONTRACTS							
AVB Management Partners Joint Venture	DA-4834	20.00%	35.89%	N/A	N/A	0.00%	
Hill/APSI Joint Venture	DA-4828	20.00%	50.10%	N/A	N/A	0.00%	
Integrated Project Control Team (IPCT) Joint Venture	DA-4829	20.00%	100.00%	N/A	N/A	0.00%	
Myers & Sons/Banicki Joint Venture	DA-4879	15.00%	17.80%	N/A	N/A	0.00%	
Parsons Transportation Group	DA-4835	20.00%	60.54%	N/A	N/A	0.00%	
Paslay Management Group	DA-4976	15.00%	100.00%	N/A	N/A	0.00%	
Skanska W.E. O'Neil Joint Venture	DA-4924	25.00%	30.30%	N/A	N/A	0.00%	
Steve Bubalo Construction Co	DA-4926	10.00%	100.00%	N/A	N/A	0.00%	
Sully-Miller	DA-5074	15.03%	9.32%	N/A	N/A	0.00%	See Note 1
Turner/PCL Joint Venture	DA-4971	15.00%	18.66%	N/A	N/A	0.00%	
T.Y. Lin International	DA-5050	23.75%	25.69%	N/A	N/A	0.00%	
W.E. O'Neil Construction	DA-4923	11.60%	14.23%	N/A	N/A	0.00%	
DBE PROCURED CONTRACTS							
Griffith-Coffman JV	DA-5009	4.46%	N/A	9.67%	N/A	0.00%	
Griffith Company	DA-5040	12.90%	N/A	11.89%	N/A	0.00%	See Note 2
Griffith-Coffman JV	DA-5051	10.58%	N/A	2.57%	N/A	0.00%	See Note 3
Kimley-Horn and Associates	DA-4555	5.13%	N/A	14.22%	N/A	0.00%	
Taft Electric Company	DA-5121	15.00%	N/A	0.00%	N/A	0.00%	See Note 4

Notes:

- a. Due to the timing of the payment submittal, processing and approval, the performance data may reflect a previous month's result.
1. Contract term ends 6/6/2019. Therefore, additional time is available to achieve the remaining percentage goal.
2. A significant amount of the scope was reduced which lowered the achievement level.
3. The project is 28% complete. Remaining work efforts will offer the opportunity to employ DBE firms to achieve the required pledge.
4. Work mobilized during this month, therefore subcontractor utilization reports were not submitted at the time of printing. The contractor is aware of monthly SUR submission requirements.
5. Adding AECOM and PBS reduced achievement levels.
6. Project in Close-out.

Firm	Contract No.	Pledged Level of Participation	Achieved Participation to Date (See Note a)				Remarks
			SBE	DBE	M/WBE	OBE	
M/WBE PROCURED CONTRACTS							
Atkins	DA-4679	11.50%	N/A	N/A	11.57%	0.00%	
Base Architecture	DA-4713	20.00%	N/A	N/A	29.83%	0.00%	
AC Martin Partners (Formerly Gin Wong)	DA-4750	20.00%	N/A	N/A	44.00%	0.00%	
Gruen Associates	DA-4761	25.00%	N/A	N/A	50.20%	0.00%	
Rivers & Christian	DA-4762	26.00%	N/A	N/A	23.37%	0.00%	See Note 5
Skidmore Owings & Merrill	DA-4822	23.00%	N/A	N/A	25.00%	0.00%	
Turner Construction Company	DA-4779	15.00%	N/A	N/A	15.75%	0.00%	
URS Corporation, Inc.	DA-4763	20.00%	N/A	N/A	33.00%	0.00%	
W.E. O'Neil Construction Co. of California	DA-4712	9.60%	N/A	N/A	5.16%	0.00%	See Note 6

Notes:

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