

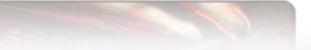
# **Airports Development Group**

# Executive Management Program Status Report June 30, 2015















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### **ELEMENT OVERVIEW**





### Purpose

This report is a tool to provide status of the Capital Projects for the Airports 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 and SBE/DBE/MWBE performance report.

# **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 Tom Bradley International Terminal (TBIT) modernization program; and provide airfield improvements as required by Airfield Operations, the Federal Aviation Administration and other Federal and State regulatory agencies.



### ELEMENT OVERVIEW





### **Utilities and Landside Element**

These capital improvement projects implement critical utility and infrastructure that support the Terminal and Airport operations within the Central Terminal Area (CTA) and include the following:

- The Central Utility Plant (CUP) Replacement project replaced the former CUP, constructed in 1961, and the co-generation facility, brought into service in 1985. These facilities were obsolete and inefficient relative to present-day technology.
- Other utility and infrastructure projects designed to provide service to or from the CUP.
- Various landside projects designed to provide for the efficient and effective movement of people through the airport; and to provide convenient parking for individuals using the airport. Landside projects are typically related to parking lots, public transportation access, fueling facilities, warehouse and cargo areas, access roads and perimeter fencing.







## **Terminal Element**

Most of LAX's terminals have been serving 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. From modernizing elevators and escalators with standardized devices to updating fire/life safety systems, 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 IT/MPOE Room Project, and Americans with Disabilities Act (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 Bradley West improvements identified in the approved LAX Master Plan, specifically related to development of new aircraft gates at the Tom Bradley International Terminal. The new gates support the airport's ability to effectively and efficiently accommodate new large aircraft, such as the Airbus A380 and Boeing 747-8.







### **Tenant Improvements Element**

Many terminal improvements are managed directly by the airlines and concession areas. 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.

# **Residential / Soundproofing Element**

LAWA's Residential Soundproofing Program (RSP) reduced the noise impacts by retrofitting doors and windows of dwellings near LAX and VNY with sound-rated products. There were approximately 9,400 noise-impacted dwelling units in the City of Los Angeles near LAX and approximately 1,050 units surrounding VNY that were eligible for this program. At this time, LAWA has soundproofed all of the dwellings for those who wanted to participate and the program is closed.







### **User's Guide – Project Status Section**

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



# PROJECT STATUS OVERVIEW

Project Description			AIRPORT	Project Cost Calculated as Incurred
The narrative provides a summary overview of the project se	cope.			divided by Estimate at Complete (EAC), this pie chart depicts the percentage incurred for the expected cost.
BI	udget Status			Construction Cost
	is section discusses	ne project's budg	et performance.	Calculated as Incurred divided by Construction Contract value, this pie chart depicts the percentage
	chedule Statu	s		incurred for the construction contract.
The	e section discusses t	e project's sche	dule performance.	
				Construction Duration Calculated as Days Elapsed divided by construction contract duration, this pie chart depicts the percentage
Schedule As Of: 01May15	Status	Completion Date	Variance to BaseLine Finish (Days)	of contract time elapsed.
This area presents the schedule informa and provides a status indicator for wh behind schedule o	ether it is a		2	Contingency Usage This pie chart describes the percentage of contingency already allocated, the percentage that is pending allocation and the remaining
	<ul> <li>On-Time</li> </ul>	Behind Schedule	Requires Mitigation	amount.



### AIRSIDE ELEMENT PROJECTS IN DELIVERY West Aircraft Maintenance Area

Drainat Cast

# **Project Description**

The project entails the construction of an aircraft maintenance ramp area, new Remain Over Night (RON) apror and associated support facilities, and a taxiway connector. The project will be located at the southeast corner of Pershing Drive and World Way West. The project will include removal and disposal of large stock piles, mass excavation and grading, approximately 142,000 square yards (29.3 acres) of Portland Cement Concrete (PCC) airfield lighting, storm drain systems, utilities, vehicle service road, pavement of asphalt for apron shoulder Ground Service Equipment (GSE) parking, and a landside parking lot. This project will provide airfield access to the new Qantas Maintenance Hangar and facilities as well as additional RON positions for other airlines.



		LAX		Project Cost
				33%
ated	at the sou	ght (RON) apro utheast corner c tock piles, mas	of	67%
of as	sphalt for	Concrete (PCC) apron shoulder airfield access to	r,	Cost To Date: \$30.57M Cost Remaining: \$63.47M Total Cost: \$94.04M
	for other		Ĭ	Construction Cost
				21% 79%
udge	t.			Incurred Cost: \$13.30M
				Cost Remaining: \$49.84M Const. Cost Total: \$63.13M
			ł	Construction Duration
ched	lule.			construction buration
				47% 53%
us	Completion Date	Variance to BaseLine Finish (Days)		Days Elapsed: 316 Days Remaining: 277
				Days Total: 593
	26-Jul-15	0	⊢∤	
	26-Jul-15	0		Contingency Usage
	25-Aug-15 9-Sep-15	0		13.0%
	23-Sep-15	0		7.1%
•	2-Dec-15	ů 0		
	2.000.15			79.9%

Allocated Contingency: \$0.6M Pending Trends: \$1.1M Remaining: \$6.6M

### **Budget Status**

The project is trending to budget.

### Schedule Status

The project is tracking on schedule

As of: July 1, 2015	Status	Completion Date	Variance to BaseLine Finish (Days)
West Aircraft Maintenance Area (WAMA) (Construction)			
WAMA - Phase A: Temporary VSR Ramp	•	26-Jul-15	0
WAMA - Phase 2A: South East VSR	•	26-Jul-15	0
WAMA - Phase 28: East Taxiway B	•	25-Aug-15	0
WAMA - Phase 3A: Permanent VSR	•	9-Sep-15	0
WAMA - Phase 38: VSR to Guard Post 21	•	23-Sep-15	0
WAMA - Phase 1: Main Apron and Twy B	•	2-Dec-15	0
WAMA - Phase 1A: TW B Commissioning	•	2-Dec-15	0
WAMA - Phase 4: East Apron	•	1-Feb-16	0
WAMA - Construction Closeout Complete	•	1-Apr-16	0
WAMA - Phase 5 Final Clean Up and Project Finalization	•	1-Apr-16	0
	On-Time	Behind Schedule	Requires Mitigation

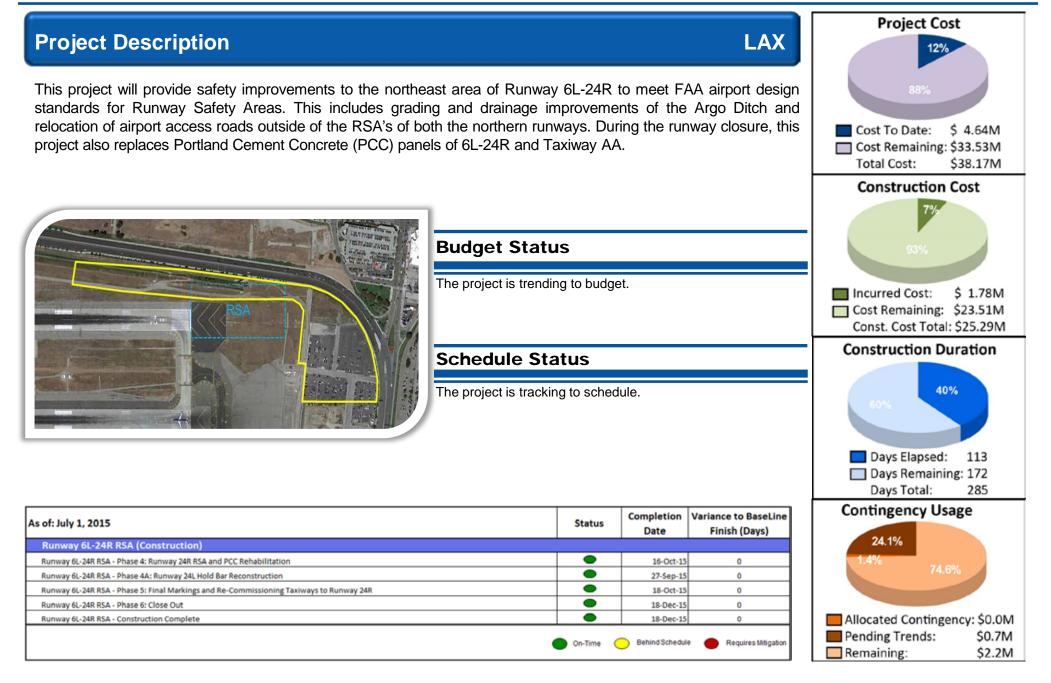


# AIRSIDE ELEMENT PROJECTS IN DELIVERY Runway 25L Safety Area Improvements and Temporary Repairs

### Project Cost **Project Description** LAX 56% This project will provide safety improvements to the west end of Runway 25L and temporary runway and taxiway pavement repairs. Additionally, there are improvements to Taxilane C1 which include a Remain-Over-Night (RON) Aircraft Parking Apron and selective grading at the west end of Runway 7L. Cost To Date: \$11.98M Cost Remaining: \$ 9.41M Total Cost: \$21.39M Construction Cost **Budget Status** 74% The project is trending to budget. Incurred Cost: \$10.81M Cost Remaining: \$ 3.86M Const. Cost Total: \$14.67M Schedule Status **Construction Duration** The project is tracking on schedule. 79% Days Elapsed: 238 Days Remaining: 62 Days Total: 300 Contingency Usage Completion Variance to BaseLine As of: July 1, 2015 Status Date Finish (Days) Runway 25L RSA and Repair (Construction) Runway 25L RSA and Repair - Phase 0B: DWP 3000 Amp Service 30-Aug-15 0 Runway 25L RSA and Repair - Phase 5A: Demobilization 30-Aug-15 0 Allocated Contingency: \$0.1M Runway 25L RSA and Repair - Construction Complete 30-Aug-15 0 Pending Trends: (\$0.6)M Requires Mitigation Behind Schedule On-Time \$2.4M Remaining:

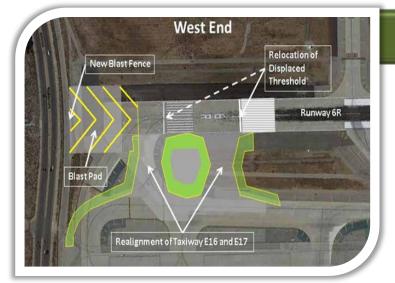


# AIRSIDE ELEMENT PROJECTS IN DELIVERY LAX Runway 6L-24R RSA Improvements and Rehabilitation









# **Runway 6R-24L Safety Area Improvements**

LAX

### LAX

To comply with the Congressional mandate, portions of both the east and west ends of Runway 6R-24L Runway Safety Area (RSA) must be extended and improved. To maintain current departure length and to meet FAA airport design standards, eastern segments of the airport perimeter fence and service road will be relocated, new taxiway connections will be constructed, and the runway pavement area on the east end will be shifted. The project includes relocation of navigational aids for Runway 6R and work includes extensive phasing requirements to mitigate airfield operational impacts. The west end will include the relocation of the west runway end and the relocation of the displaced threshold. This will require re-striping of those areas along with the realignment of Taxiways E16 and E17.

### Runway 25R RSA and Rehabilitation Work

This project will provide safety improvements to the Runway Safety Area (RSA) at the west end of Runway 25R-7L to meet the latest FAA design standards. The west end of the runway will provide the full 1,000 feet clearance for the RSA. The project will also replace deteriorated concrete pavement at the east end of Runway 25R-7L.







# **Taxiway S&W Intersection Evaluation and Repair**

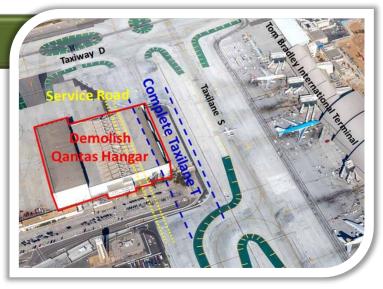
ONT

The goal of this project is to repair the deteriorating pavement at the intersection of Taxiway S and W to reduce signs of spalling and potential debris on the airfield. The scope of work includes complete removal and replacement of existing PCC pavement including PCC panels, underlying base course and subgrade, and the centerline taxiway lights.

# Taxilane T–Phase 2

The Taxilane T-Phase 2 work includes demolition of the existing Qantas-occupied maintenance hangar, completion of the remaining northern taxilane portion, and utility work to achieve continuous alignment of the new Taxilane. The budget for this work is already approved and included within the Taxilane T program.

# LAX





	-	(dollars in th	nousands)			_	-
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
	Capital Budget 1		l				
Close-out	Taxilane 'S'	174,980	163,495	156,911	156,880	162,518	976
Close-out	Taxilane 'T'	96,500	136,284	72,978	71,690	131,513	4,772
Close-out	Construction Support Facilities	14,790	9,475	0	0	0	9,475
Close-out	Associated Projects	1,340	1,607	2,330	2,330	2,330	(723)
Close-out	Crossfield Taxiway Project	177,760	137,245	137,931	137,931	137,931	(686)
Closed	LAX Aircraft Rescue and Fire Fighting Facility	14,190	14,155	14,155	14,155	14,155	0
Closed	American Airlines Settlement	27,250	21,428	21,428	21,428	21,428	0
	Subtotal: Capital Budget 1	506,810	483,689	405,733	404,414	469,875	13,814
	Capital Budget 2					•	
Close-out	ONT Runway 8L/26R RSA Improvement	4,467	4,770	4,071	3,995	4,071	699
Close-out	VNY Runway 16R Rehabilitation	20,483	19,483	18,255	17,690	18,272	1,211
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
Close-out	Pavement Management Program - VNY Taxilane A2 Rehabilitation and RSA Improvements	7,970	5,065	5,065	5,065	5,478	(413)
Closed	Pavement Management Program - VNY Taxilane A2 Rehabilitation - Phase 2	2,933	2,521	2,521	2,521	2,521	0
	Subtotal: Capital Budget 2	51,421	44,017	42,090	41,449	42,520	1,497

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.



		(dollars in th	ousands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
	Capital Budget 3						
Active	West Aircraft Maintenance Area	100,654	100,654	82,571	30,569	94,036	6,618
Active	Runway 25L Safety Area Improvements and Temporary Repairs	23,745	23,745	15,951	11,979	21,390	2,354
Active	LAX Runway 6L-24R RSA Improvements and Rehabilitation	40,371	40,371	30,597	4,645	38,171	2,201
	Subtotal: Capital Budget 3	164,770	164,770	129,119	47,193	153,597	11,173
	Airside Element: Total	723,001	692,476	576,942	493,056	665,992	26,484

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.



	(dollars in thousands)									
Status	Description	Estimate	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)				
	Projects in Development									
	Runway 6R-24L Safety Area Improvements	72,324	3,498	3,085	N/A	N/A				
	Runway 25R RSA and Rehabilitation Project	116,443	10,256	9,783	N/A	N/A				
	ONT Taxiway S & W Intersection Evaluation and Repair	6,200	0	0	N/A	N/A				
	Airside Element: Projects in Development	194,967	13,754	12,868	N/A	N/A				

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.

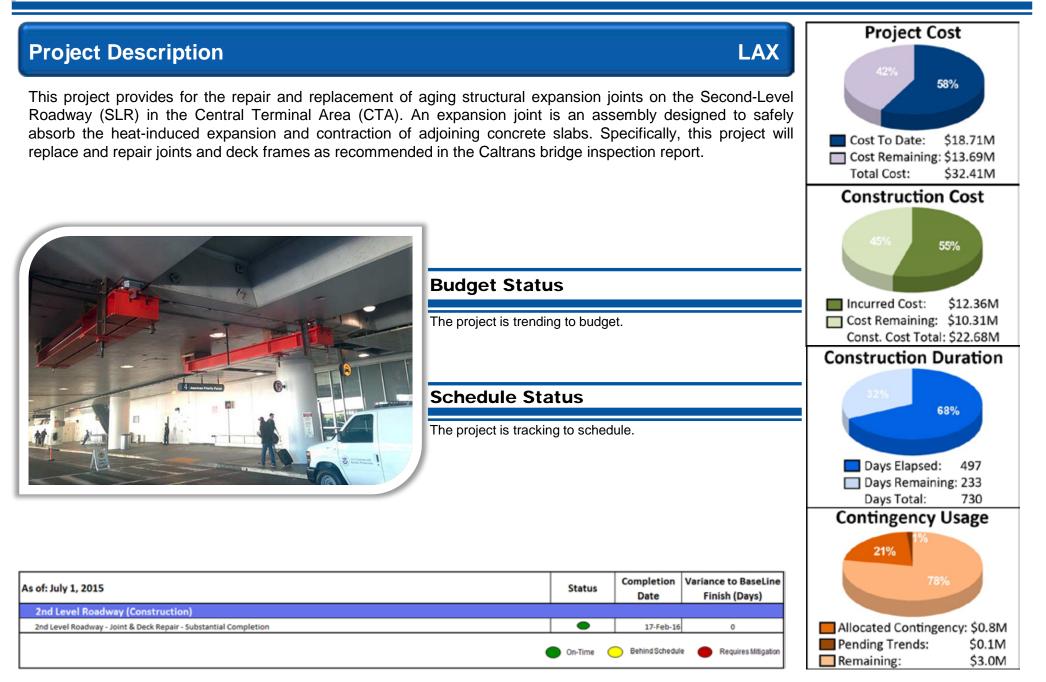


### AIRSIDE ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS AS OF: 6/30/2015

Projects	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes				
Airside E	Airside Element									
DA-4925 -	WEST AIRCE	AFT MAINTENA	NCE AREA PR	OJECT (DA-4925)						
6/25/2015	DA-4925	0005	\$149,478			CD 007, 019, 020 and CD 17				
6/29/2015	DA-4925	0006	\$146,484			CD 24, 25 and 44				
DA-4948 -	DA-4948 - RUNWAY 7R-25L SAFETY AREA IMPROVEMENT AND TEMPORARY REPAIRS (DA-4948)									
6/29/2015	DA-4948	0003	\$37,640			CD 13,26,34 and 59R1				



## UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY Second Level Roadway Expansion Joint and Deck Repairs

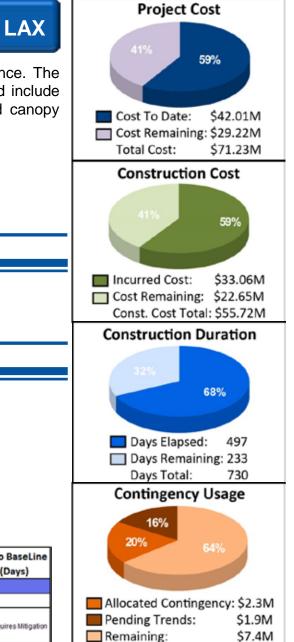




### UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY New Face of the CTA - Phase 2

# **Project Description**

This project implements various improvements that will dramatically enhance the passenger experience. The improvements are focused upon the upper level roadway within the Central Terminal Area (CTA) and include custom designed light poles and light bands along the outer edge of the upper level roadway and canopy extension from TBIT to T3 and T4.

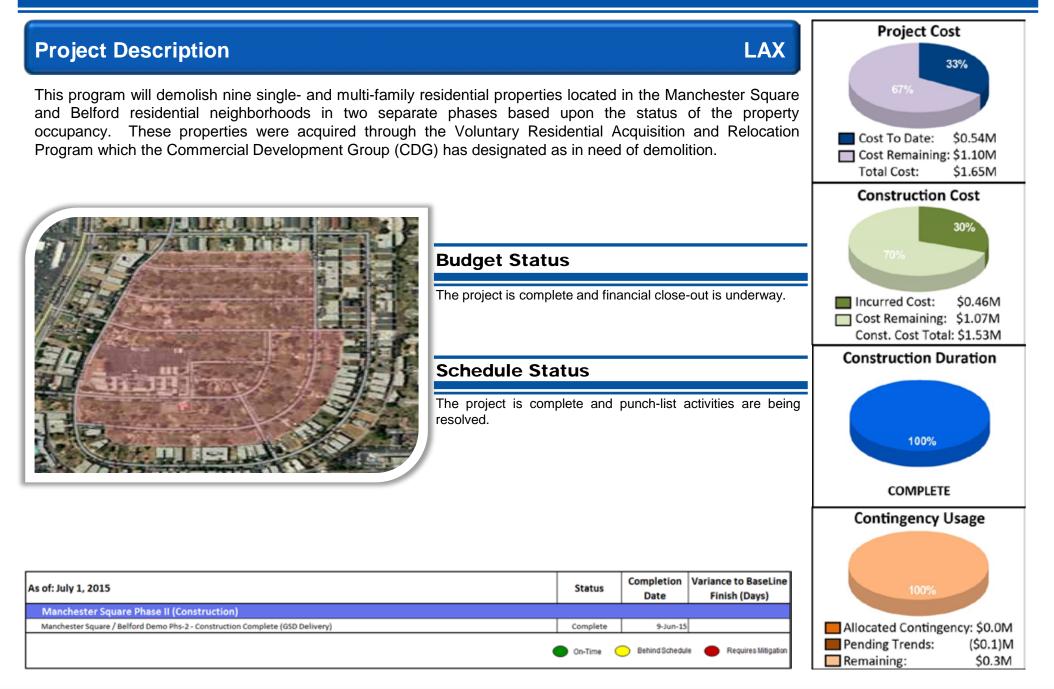




As of: July 1, 2015	Status	Completion Date	Variance to BaseLine Finish (Days)
New Face CTA (Construction)			
New Face CTA - Light Ribbon/Iconic Poles - Substantial Completion	Completed	30-Jun-15	
	On-Time	Behind Schedul	e 🔴 Requires Mitigation



### UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY Manchester Square / Belford Demolition – Phase 2



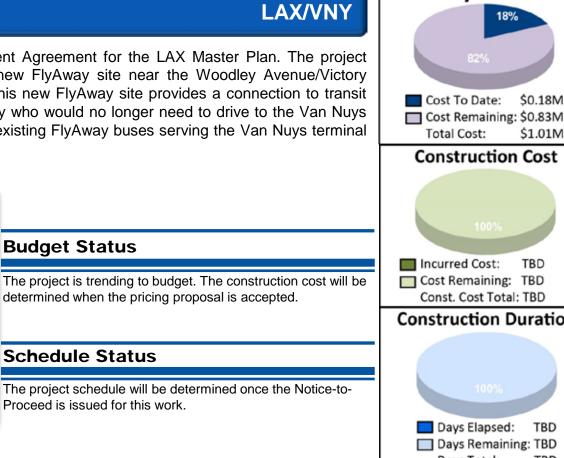


### **UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY Orange Line Busway (FlyAway Site)**

# **Project Description**

This project helps to fulfill a requirement of the Settlement Agreement for the LAX Master Plan. The project provides the site improvements needed to establish a new FlyAway site near the Woodley Avenue/Victory Boulevard transit stop along the Orange Line Bus Bay. This new FlyAway site provides a connection to transit patrons along the Orange Line in the San Fernando Valley who would no longer need to drive to the Van Nuys FlyAway terminal to reach a bus connection to LAX. The existing FlyAway buses serving the Van Nuvs terminal will be used to serve this new FlyAway site.

**Budget Status** 





The construction schedule will be reported following Notice to Proceed (NTP).

Project Cost



As of: July 1, 2015

Fifth Feeder (Construction)

Fifth Feeder - DWP Completion

Fifth Feeder - Milestone 2 Ready to provide 24" Fire Water Crossing at W Way

Fifth Feeder - Milestone 3 Project Substantial Completion

### UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY Electrical, Communications and Water Utility Ext. - 5th Feeder Project

LAX

Variance to BaseLine

Finish (Days)

-39

-39

-39

Requires Mitigation

# **Project Description**

This project will construct a new 2x6, 34.5 kV duct bank from the vicinity of the Theme Building, where the new duct bank will tie into the 2x5 power duct bank constructed by the new Central Utility Plant (CUP) Project, to Sepulveda Boulevard to provide the necessary infrastructure to allow LADWP to install a new 5th Feeder to the airport for increased capacity and a more reliable redundant electrical power source available for airport use. In addition, this project will install other improvements including: two short extensions of a LAWA power duct bank and a communications duct bank for future use; a reclaimed water line to Sepulveda; the extension of a 24-inch fire water line to Sepulveda; and the extension of a 16-inch domestic water line to Sepulveda.



### Budget Status

There are additional scope items that are being reviewed and will likely be implemented as part of this project. As those decisions are made, the budget adjustments will be processed.

### Schedule Status

There are additional scope items that are being reviewed and will likely be implemented as part of this project. As those decisions are made, the schedule adjustments will be processed.

Status

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On-Time

Completion

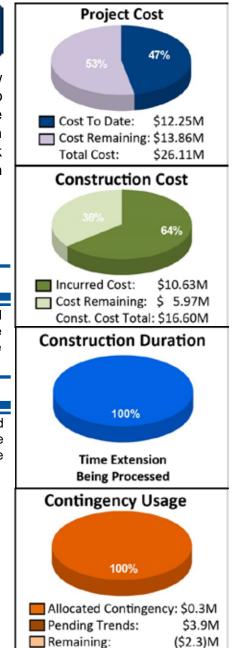
Date

4-Aug-15

4-Aug-15

2-Nov-15

Behind Schedule







# **CTA Departure Level Security Bollards**

# LAX

The purpose of this project is to provide additional passenger safety and security on the upper level of the Central Terminal Area (CTA) by installing security bollards at various locations in front of the passenger terminals. In addition, this project will evaluate several bollard design options to determine which design option will offer the maximum amount of safety and security while providing an option that is cost effective and less hindering on pedestrian circulation.

# Imperial Cargo Complex Water Main Replacement

# LAX

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.







# CTA - Landside Accessibility Improvements Phase 2 LAX

The project will correct 263 of the 563 American with Disabilities Act (ADA) deficiencies in the Central Terminal Area (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.

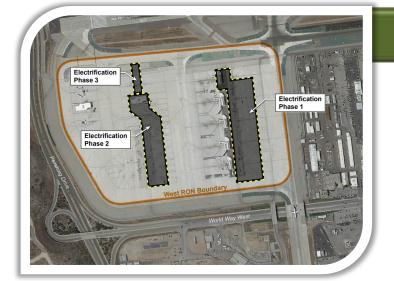
# **Construction Access Gates Post 21, 23 and 236**

LAX

This project provides improved and expanded queueing space to accommodate increasing construction traffic at three Air Operations Area (AOA) Construction Posts.







# West RON Electrification Project

LAX

# LAX

This project provides infrastructure sufficient to electrify Remain Over Night (RON) West aircraft parking positions by installing 400 HZ Ground Power Units (GPU) and future installation of electrical battery charging stations which would result in substantial emissions reductions. This phase 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.

# **Taxi Holding Lot Relocation**

This project will relocate the existing Taxicab Holding Lot out of the Runway 6R/24L Runway Safety Area and Object Free Area to LAWA owned lot two blocks east of Sepulveda Blvd and one block north of Century Boulevard.

# A Normal Rate





# Drainage & Expansion Joint Seal Improvements for Parking Structures 1, 3, 4 & 6

This project will repair and/or replace the expansion joint seals and drainage systems within Parking Structures 1, 3, 4 and 6 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.

# Storm Water Connection to North Central Outfall Sewer (NCOS)

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 between Los Angeles World Airports (LAWA) and the Los Angeles Bureau of Sanitation (LA SAN). The scope of work includes a new connection from the LAX Pershing/Imperial Detention Basin to the NCOS Interceptor.



LAX



		(dollars in th	nousands)			-	-				
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)				
	Capital Budget 1						1				
	Central Utility Plant Program										
Close-out	Central Utility Plant	423,835	412,121	392,279	379,324	400,175	11,946				
	Subtotal: Central Utility Plant Program	423,835	412,121	392,279	379,324	400,175	11,946				
	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	425,844	406,002	393,047	413,898	11,946				
	Capital Budget 2										
	Landside Program										
Active	Second Level Roadway Expansion Joint and Deck Repairs	18,900	35,442	29,330	18,713	32,405	3,037				
Active	New Face of CTA – Phase 2	70,528	78,651	66,372	42,014	71,233	7,418				
Closed	Coastal Dunes Improvement Project	3,000	2,140	2,140	2,140	2,140	0				
Close-out	Manchester Square / Belford Demolition Program	1,981	1,185	1,250	1,250	1,250	(66)				

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.



		(dollars in th	nousands)				
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
Close-out	Jenny Lot Site Modifications	7,233	6,951	6,751	6,708	6,751	200
	Subtotal: Landside Program	101,642	124,369	105,843	70,825	113,779	10,589
	Subtotal: Capital Budget 2	101,642	124,369	105,843	70,825	113,779	10,589
	Capital Budget 3						·
Active	Manchester Square / Belford Demolition Program - Phase 2	1,941	1,941	1,616	543	1,646	295
Active	Orange Line Busway (FlyAway Site)	1,059	1,059	275	183	1,012	47
Active	Electrical, Communications and Water Utility Ext 5th Feeder Project	23,033	23,760	19,427	12,253	26,110	(2,350)
	Subtotal: Capital Budget 3	26,033	26,760	21,318	12,979	28,768	(2,008)
	Utilities & Landside Element: Total	559,685	576,973	533,163	476,851	556,445	20,527

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.

<sup>2.</sup> 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.



	(dolla	irs in thousa	nds)			
Status	Description	Estimate	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
	Projects in Development					
	CTA Departure Level Security Bollards	5,000	52	52	N/A	N/A
	Imperial Cargo Complex Water Main Replacement	5,000	281	281	N/A	N/A
	ADA Accessibility Improvements – Phase 2	2,976	2,881	2,881	N/A	N/A
	Construction Access Gates 21, 23 and 236	6,600	0	0	N/A	N/A
	West RON Electrification Project	4,500	70	70	N/A	N/A
	Taxi Holding Lot Relocation	8,200	4,298	12	N/A	N/A
	Drainage & Expansion Joint Seal Improvements for Parking Structures 1, 3, 4 & 6	5,600	0	0	N/A	N/A
	Storm Water Connection to North Central Outfall Sewer (NCOS)	3,000	0	0	N/A	N/A
	Utilities & Landside Element: Projects in Development	40,876	7,582	3,296	N/A	N/A

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.



### UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS AS OF: 6/30/2015

Projects	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
Utilities & L	andside Elem			<b>•••••</b>	• •	
	JP REPLACEME					
6/1/2015	DA-4554	0367		(\$193,657)		CANELLATION FOR CO-335 AND CO-336
6/1/2015	DA-4554	0368	\$20,226			Cooling Tower Rear Fence - Water Meter Vault Adjustments
6/1/2015	DA-4554	0369	\$101,416			A/E Services Associated w/Acquisition of Incentives from LADWP
6/5/2015	DA-4554	0370	\$74,838			FMCS Trend Logs for CUP and Terminals
6/1/2015	DA-4554	0371	\$6,725			ADA Improvement at West Way and Central Way Intersection
6/1/2015	DA-4554	0372		\$193,657		Removal of Temporary Valve at T5 Shoring Box
6/2/2015	DA-4554	0373	\$24,000			CUP Gas Meter Assembly Redesign - Potholing
6/5/2015	DA-4554	0374	\$54,371			Gas Compressor Stainless Steel Bypass Piping
6/5/2015	DA-4554	0375	\$13,360			LADWP Required CUP Power Cut-Over
6/5/2015	DA-4554	0376	\$511			CUP Ribbon Cutting Photography
6/5/2015	DA-4554	0377	\$2,292			Westchester Yard Water Usage
6/5/2015	DA-4554	0378	\$29,339			Damaged Existing PC3 Feeder
6/5/2015	DA-4554	0379	\$20,966			CUP Abandon 4" HPG Line in Center Way North
6/5/2015	DA-4554	0380	\$4,900			Re-painting of Surface at Chiller Room North Window
6/8/2015	DA-4554	0381	\$0			Administrative Transfer of Funds from TA1 to SA2
6/9/2015	DA-4554	0382	\$7,733			Domestic Water Tests
6/10/2015	DA-4554	0383	\$5,307			Reposition Parking 2B Entrance Gate
6/26/2015	DA-4554	0384	\$5,650			Add Traffic Control Bollards at Parking Structure 2A
6/26/2015	DA-4554	0385	\$2,700			Additional Pavement Markings For ATCT Parking
6/26/2015	DA-4554	0386	\$3,500			CUP License Display Enhancements
6/29/2015	DA-4554	0387		\$239,152		Construction of CUP Gas MSA Revisions
6/29/2015	DA-4554	0388	\$19,500			Provide Supplemental FF & E
6/29/2015	DA-4554	0389	\$15,000			East Way Sidewalk Modifications
DA-4926 - 51	H FEEDER (DA	-4926)	-			
6/17/2015	DA-4926	0005	\$0			Work Stoppage @ STA 30+34 due to Redesign of LADWP 2x6 Utility
6/17/2015	DA-4926	0006		\$195,000		Revised Fire & Domestic Water Backflow Preventers



### UTILITIES & LANDSIDE ELEMENT PROJECTS IN DELIVERY CHANGE ORDERS - Continued AS OF: 6/30/2015

Projects	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes			
Utilities & Landside Element									
DA-4926 - 5TH FEEDER (DA-4926)									
6/17/2015	DA-4926	0007	\$8,364			Install Fans/AC units within Terminal 3 as directed by LAWA			
6/17/2015	DA-4926	0008	\$3,000			Backfill existing 24" & 10" hydronic piping with slurry at vault 3			
6/29/2015	DA-4926	0009	\$95,000			Additional Waterline Work - Little Century Blvd			
DA-4879 - NF2, SLR, WWS PROJECT (DA-4879)									
6/1/2015	DA-4879/0000	0014	\$1,015			WWS - Phase One (1) Pavement Marking Modifications at Center Way			
6/15/2015	DA-4879/0000	0015	(\$35,335)			NF2 - Formed Metal Column Covers at PC Areas			
6/26/2015	DA-4879/0000	0017		(\$182,031)		SLR - Reduced B-Seal Concrete Demolition and Concrete Work at Hinges			



# TERMINAL ELEMENT PROJECTS IN DELIVERY Bradley West Core Renovation/East Ramp and Concourse Demo Project

# **Project Description**

# LAX

This project enables the operation and use of the east gates at Bradley West, improves customer service and convenience within the existing Tom Bradley International Terminal (TBIT) core building and improves the terminal's infrastructure to better meet current and future demand. This project represents the last phase of construction associated with the new Bradley West facility. The overall project scope of work includes:

Existing TBIT core renovation, which includes temporary and permanent passenger security screening checkpoints (SSCP); apron and concourse demolition and the construction of apron paving; and Bradley West Connection between the existing TBIT Core to the new Bradley West Core.



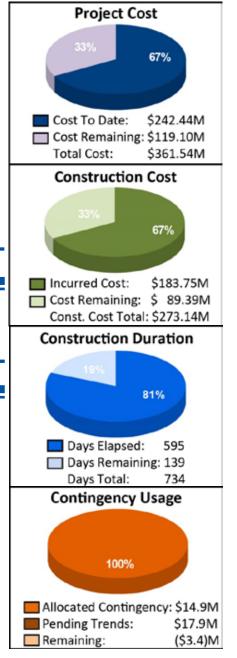
### **Budget Status**

The project budget is being closely monitored and mitigation strategies are being developed and reviewed.

### Schedule Status

The project schedule is being closely monitored and mitigation strategies are being developed and reviewed.

As of: July 1, 2015	Status	Completion Date	Variance to BaseLine Finish (Days)
BW Core Renovation & Concourse Demo Project (Construction)			
BW Core Renovation & Concourse Demo Project - MS#3D T4-TBIT Arrival Tunnel; South Loading Dock; T4 Connector	•	22-Jul-15	-113
BW Core Renovation & Concourse Demo Project - MS#3C South End SSCP (LvIs 3 & 4); SE Egress; CBIS Space LvI 3	•	13-Jul-15	-163
BW Core Renovation & Concourse Demo Project - MS#5 SSCP Operational (North); North Bridge Complete	•	9-Oct-15	-130
BW Core Renovation & Concourse Demo Project - MS#6 TBIT Lvls 2, 3, 4 & 5; Lvl 1 (Except 2 Bag Units)	•	21-Oct-15	-102
BW Core Renovation & Concourse Demo Project - MS#6 Gates 131 & 133	•	10-Jul-15	1
BW Core Renovation & Concourse Demo Project - MS#6A North Loading Dock; Remainder of Work	•	4-Mar-16	-110
	On-Time	Behind Schedule	e 🔴 Requires Mitigati





# TERMINAL ELEMENT PROJECTS IN DELIVERY Bradley West Traffic Mitigations - World Way South/Center Way

# **Project Description**

LAX

Project Cost

Cost To Date:

Total Cost:

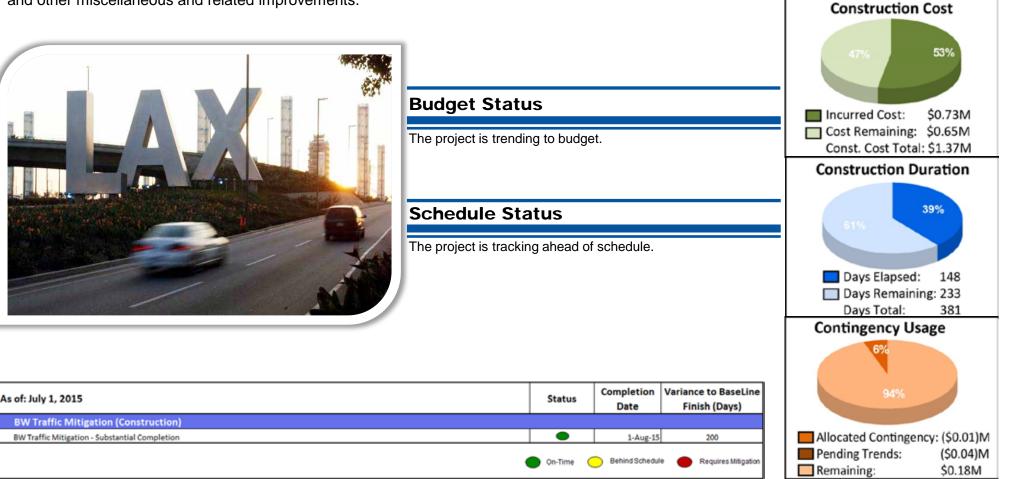
Cost Remaining: \$0.94M

53%

\$1.05M

\$1.99M

This project will allow for mitigation measures related to the Bradley West Project Environment Impact Report (EIR) to be implemented at this intersection, specifically widening World Way South at the approach at Center Way to provide an additional right turn lane. In addition, this project will address additional opportunities for improvements to the intersection, including adjustments to curb radii to allow for better and safer turning of vehicles, upgrades to the American with Disabilities Act (ADA) access ramps to bring them to current standards and other miscellaneous and related improvements.





### TERMINAL ELEMENT PROJECTS IN DELIVERY Elevators and Escalators Replacement

### Project Cost **Project Description** LAX 64% 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 staggered Priority Groups. Cost To Date: \$162.17M Cost Remaining: \$ 90.25M **Budget Status** Total Cost: \$252.41M **Construction Cost** The project is trending to budget. 60% Schedule Status Incurred Cost: \$123.40M Some units were re-prioritized within the program and vary Cost Remaining: \$ 81.00M from their original installation date, but there is no impact to Const. Cost Total: \$204.40M the overall completion date. Construction Duration 80% Completion Variance to BaseLine As of: July 1, 2015 Status Date Finish (Days) Phase 2/3 - Elevators and Escalators (Construction) • Parking Structure F Unit 01 ELEVT 15-Sep-15 0 Days Elapsed: 2,196 0 TBIT Unit 02 ELEVT 14-Sep-15 -6 Days Remaining: 544 $\circ$ Terminal 2 Unit T2-02 ELEVM 10-Aug-15 -41 Days Total: 2.740 0 Terminal 2 Unit T2-04 ELEVM 9-Sep-15 -3 **Contingency Usage** $\circ$ Terminal 2 Unit T2-10 ESC 9-Sep-15 -3 $\circ$ 28-Aug-15 Terminal 4 Unit T4-11 ELEVM -19 • 1-Dec-15 Terminal 4 Unit T4-13 ELEVH 0 • Terminal 4 Unit T4-10 ELEVH 8-Nov-15 0 0 14-Sep-15 -84 87% Terminal 7 Unit \$7-03 - ELEVM • Terminal 8 Unit T8-03 - ELEVM 2-Nov-15 0 • 19-Aug-15 Theme Bldg, Unit 03 -146 Allocated Contingency: \$56.9M Phase 2/3 - Elevators and Escalators - Contruction Complete 31-May-16 4 Pending Trends: (\$0.8)M On-Time Behind Schedule Requires Mitigation Remaining: \$ 8.7M



### TERMINAL ELEMENT PROJECTS IN DELIVERY Concessions Enabling Project

### Project Cost **Project Description** LAX 78% This project undertakes the initial renovation and upgrading of various fire protection components, electrical distribution elements, accessibility issues in Terminals 4, 5, 7 and 8; as a precursor to the Concessions Redevelopment Program. Cost To Date: \$1.65M Cost Remaining: \$0.46M Total Cost: \$2.11M **Construction Cost** 2% 98% **Budget Status** The project is complete and financial close-out is underway. Incurred Cost: \$1.34M Cost Remaining: \$0.03M Const. Cost Total: \$1.37M **Construction Duration** Schedule Status The project is complete and punch-list activities are being resolved. 100% COMPLETE **Contingency Usage** 26% 14% Completion Variance to BaseLine As of: July 1, 2015 Status Date Finish (Days) **Concessions Enabling (Construction)** Termainal - Project Complete 30-Jun-15 Allocated Contingency: \$0.1M Pending Trends: \$0.3M Behind Schedule Requires Mitigation On-Time $\bigcirc$ \$0.6M Remaining:



### TERMINAL ELEMENT PROJECTS IN DELIVERY Passenger Boarding Bridge Relocation

Project Cost

Cost Remaining: \$10.92M

**Construction Cost** 

Cost To Date:

Total Cost:

71.2%

Pending Trends:

Remaining:

Allocated Contingency: \$0.7M

39%

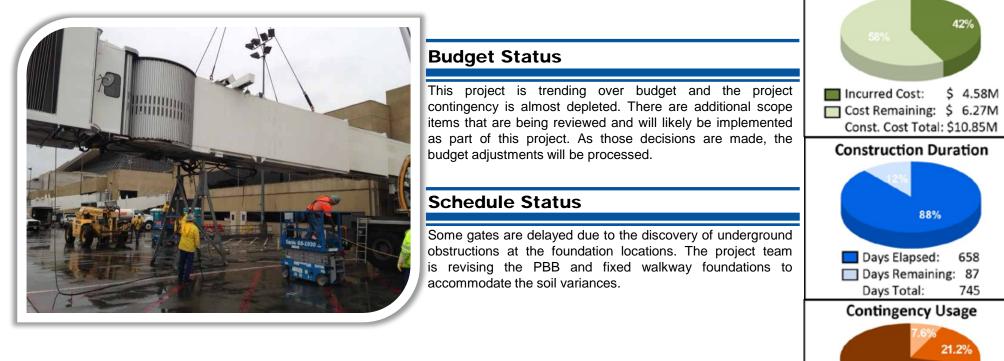
\$ 6.90M

\$17.81M

# **Project Description**

LAX

The Bradley West project provides an opportunity for LAWA to salvage fifteen Passenger Boarding Bridges (PBBs) and associated equipment manufactured between 2006 and 2009 and relocate them to select locations at Terminals 2, 3, and 6, where the existing equipment is in poor condition. The Terminal 3 and 6 components of this project were cancelled in November 2014. As a result all ten gates at Terminal 2 will receive refurbished PBBs from TBIT, instead of seven gates as in the original scope. These 10 gates will get new or refurbished preconditioned air units and potable water cabinets, and all new 400 Hz ground power units.



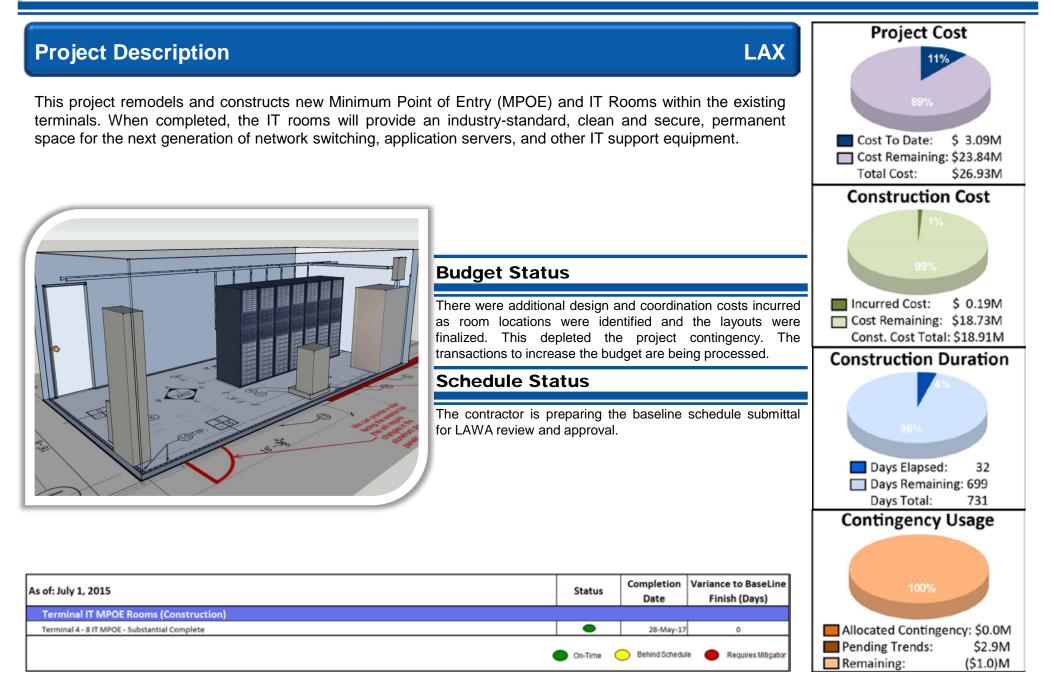
As of: July 1, 2015	Status	Completion Date	Variance to BaseLine Finish (Days)
PBB Relocation (Construction)			
PBB Relocation - Phase 1&2 - T2 Complete	•	20-Feb-16	-149
	On-Time	Behind Schedule	Requires Mitigation

\$2.5M

\$0.3M



### TERMINAL ELEMENT PROJECTS IN DELIVERY Terminal MPOE and IT Room Expansion





### TERMINAL ELEMENT PROJECTS IN DELIVERY Terminal 2 Improvements

### **Project Description**

### LAX

Terminal 2 is the second largest international terminal at LAX. In 2014, Terminal 2 served approximately 4.6 million international passengers. 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.



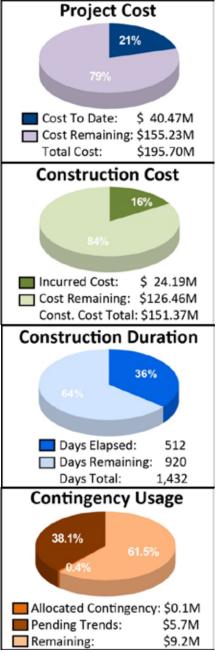
#### **Budget Status**

The project is trending to budget.

#### Schedule Status

The overall project is tracking to schedule though individual milestones are slipping. The project team and contractor are working to mitigate the delays.

s of: July 1, 2015	Status	Completion Date	Variance to BaseLine Finish (Days)
Terminal 2 Improvements (Construction)			
T2 Systems Milestone 1 - BHS Control Room (Rm 2514) Operational	•	15-Jul-15	-298
T2 Systems Milestone 2 - EDS Room 2509 (Eastern Portion) Ready for TSA Acceptance	•	15-Jul-15	-188
T2 Systems Milestone 3 - EDS Room 2509 Complete & Ready for TSA Acceptance		15-Jul-15	-18
T2 Systems Milestone 4 - T2 IT MPOE Rooms Complete & Accepted by LAWA		10-Aug-15	-31
T2 Systems Milestone 5 - Centralized 400 Hz System Complete	•	31-Jul-15	-188
T2 Systems Milestone 6 - T2 Standby Power Complete		22-Apr-16	-10
12 Systems Milestone 7 - Electrical Upgrade Complete		12-Jul-17	5
T2 Systems Milestone 8 - Overall Construction Complete		2-Jan-18	2
T2 Finishes Milestone 1 - Arrivals Phase 1 and Phase 2 Complete	<u> </u>	15-Jul-15	-46
12 Finishes Milestone 2 - Departure Phase 1 and Phase 2 Complete	<u> </u>	30-Jun-15	-30
12 Finishes Milestone 3 - Arrivals Restrooms Complete		21-Sep-15	-144
12 Finishes Milestone 4 - Domestic Baggage and Ticketing Fit and Finish Complete		14-Nov-16	6
12 AHU Replacement Milestone 1 Rm 1584	•	9-Dec-15	0
T2 AHU Replacement Milestone 2 Rm 4503 and 4521	•	9-Nov-16	0
T2 FIS Milestone 1 Phase 1A Work Before Special Olympics		10-Jul-15	1
T2 FIS Milestone 2 Phase 1 Construction Complete	•	1-Sep-16	0





#### TERMINAL ELEMENT PROJECTS IN DELIVERY Terminal 3 Improvements

#### Project Cost **Project Description** LAX 8% This improvement program consists of fire/life safety and egress improvements focused primarily in the satellite and in the pedestrian tunnel, upgrades to public restrooms, the addition of a public mother's room, upgrades to the courtyard to accommodate a pet relief area, installation of Flight Information Display Systems (FIDS) and a Cost To Date: \$0.48M visual paging system. Cost Remaining: \$5.24M Total Cost: \$5.72M **Construction Cost Budget Status** The project is trending on budget. Incurred Cost: \$0.00M Cost Remaining: \$4.11M Const. Cost Total: \$4.11M **Construction Duration** Schedule Status The project is tracking to schedule. Days Elapsed: 21 Days Remaining: 517 Days Total: 538 **Contingency Usage** Variance to BaseLine Completion As of: July 1, 2015 Status Date Finish (Days) Terminal T3 Improvements (Construction) Terminal 3 Improvements - Substantial Complete 27-Nov-16 0 Allocated Contingency: \$0.0M Pending Trends: \$0.0M Requires Mitigation Behind Schedule On-Time

#### 39

Remaining:

\$0.4M



#### **TERMINAL ELEMENT PROJECTS IN DELIVERY Terminal 4 Connector**

Project Cost

Cost Remaining: \$ 50.16M

**Construction Cost** 

\$ 59.74M

\$109.90M

Cost To Date:

Total Cost:

# **Project Description**

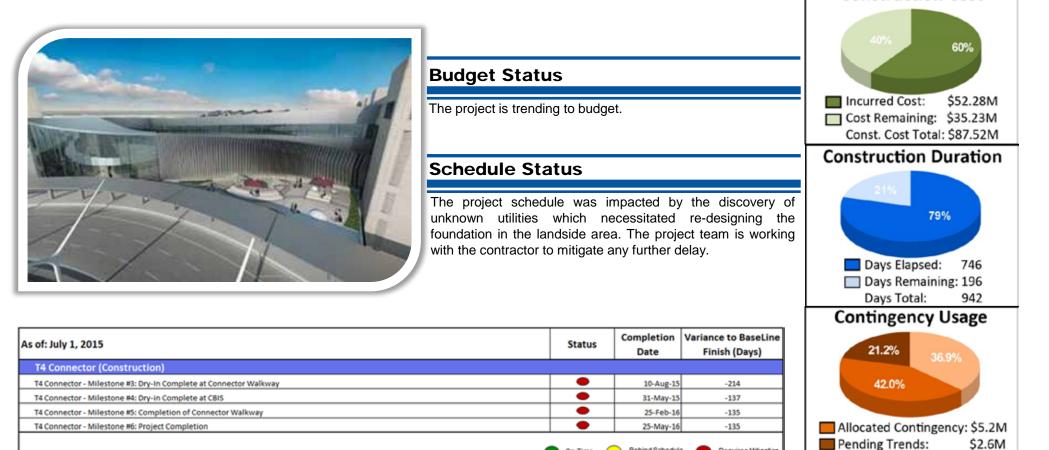
LAX

Requires Mitigation

Behind Schedule

On-Time

This project consists of the design and construction of a CALGreen certified, multi-use, multi-level facility including a Checked Baggage Inspection System (CBIS), South Matrix Interline Baggage Transfer facility, five lane Passenger Security Screening Check Point (SSCP), South Terminals Passenger Busport, Upper Level World Way Public Plaza, and a Secure Passenger connection between Tom Bradley International Terminal (TBIT) and Terminal 4. This project will also include the installation of a new fire water line in the proximity of the Terminal 4 Connector Building.

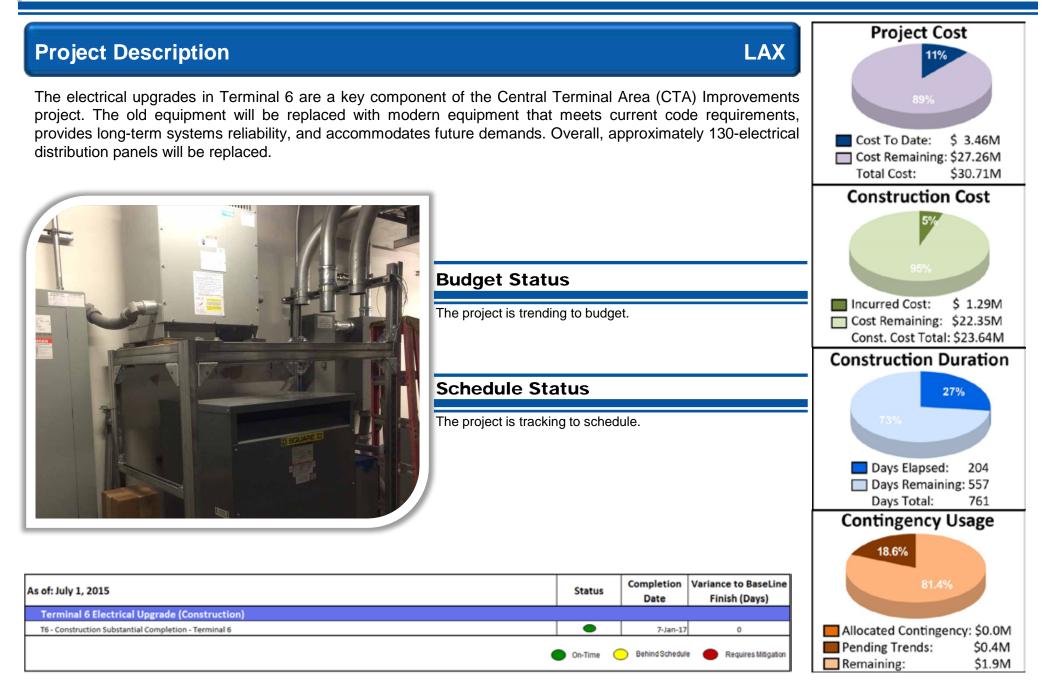


\$4.6M

Remaining:



#### TERMINAL ELEMENT PROJECTS IN DELIVERY Terminal 6 Improvements







### **Terminal Fire/Life Safety Systems Improvements**

LAX

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. The scope of work includes tunnel sprinklers, horizontal exits and standpipes.



		(dollars in t	housands)				
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
	Capital Budget 1						
	Bradley West Program						
Active	Bradley West Core Renovation/East Ramp and Concourse Demo Project	273,170	356,116	336,592	242,439	359,566	(3,450)
Close-out	Art In Public Places	5,360	5,360	5,360	3,111	5,360	0
Active	Bradley West Traffic Mitigations -World Way South/Center Way	735	2,166	1,749	1,051	1,987	179
Close-out	Bradley West Gates	906,474	872,931	876,137	874,486	875,336	(2,405)
Close-out	Bradley West Core Improvements	808,364	808,649	825,984	824,244	825,144	(16,495)
Close-out	New Face of CTA - Phase 1	43,270	51,261	51,022	51,022	51,207	54
Closed	Construction Traffic Mitigations	3,542	2,061	2,061	2,061	2,061	0
	Subtotal: Bradley West Program	2,040,915	2,098,544	2,098,905	1,998,414	2,120,661	(22,117)
	Elevator & Escalator Program						
Active	Elevators and Escalators Replacement	270,000	242,580	228,516	161,587	234,533	8,047
	Subtotal: Elevator & Escalator Program	270,000	242,580	228,516	161,587	234,533	8,047
	Subtotal: Capital Budget 1	2,310,915	2,341,124	2,327,421	2,160,001	2,355,194	(14,070)

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.



		(dollars in th	nousands)				
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
	Capital Budget 2						
	Terminal-wide Improvements						
Close-out	ADA Accessibility Improvements – Phase 1	2,000	4,540	3,601	3,450	4,231	309
Close-out	Concessions Enabling Project	3,445	2,705	1,688	1,649	2,105	600
Active	Passenger Boarding Bridge Relocation	12,333	18,080	13,818	6,899	17,814	266
Active	Terminal MPOE and IT Room Expansion	25,943	25,943	22,461	3,091	26,931	(988)
Closed	Fire Life Safety System Upgrades T1 & T2	5,300	3,210	3,210	3,210	3,210	0
	Subtotal: Infrastructure Program	49,021	54,478	44,778	18,299	54,291	187
	Terminal 2						
	Terminal 2 Improvements <ul> <li>Electric meter reading</li> </ul>		204,914	170,275	40,474	195,704	
Active	Electrical Systems / AHU Replacement     Ticket / Bag Claim / FIS renovation	204,914					9,209
	IT Infrastructure / Paging     SSCP Improvements						
	Subtotal: Terminal 2	204,914	204,914	170,275	40,474	195,704	9,209
	Terminal 3						
Active	Terminal 3 Improvements • FLSS/ADA/Nursing Room/Other	6,130	6,130	4,736	479	5,719	411
Closed	Terminal 3 Backfill Project	5,846	6,569	6,569	6,569	6,569	0
	Subtotal: Terminal 3	11,976	12,699	11,305	7,048	12,288	411
	Terminal 4						
Active	Terminal 4 Connector Building	114,318	114,496	96,504	59,738	109,900	4,597
	Subtotal: Terminal 4	114,318	114,496	96,504	59,738	109,900	4,597

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.



		(dollars in t	housands)				_
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (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	32,627	26,137	3,459	30,715	1,913
	Subtotal: Terminal 6	32,627	32,627	26,137	3,459	30,715	1,913
	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	422,202	422,717	352,502	132,521	406,401	16,317
	Capital Budget 3						
Active	Elevators and Escalators Replacement	0	18,574	17,260	578	17,881	693
Active	Bradley West Core Renovation/East Ramp and Concourse Demo Project	0	1,978	0	0	1,978	0
	Subtotal: Capital Budget 3	0	20,552	17,260	578	19,859	693
	Terminal Element: Total	2,733,117	2,784,393	2,697,183	2,293,100	2,781,454	2,940

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.



	(dollars in thousands)								
Status	Description	Description Estimate Committed to Date		Incurred to Date	Estimate at Completion	Variance (Budget-EAC)			
	Projects in Development								
	Terminal Fire/Life Safety Systems Improvements Project	20,000	179	0	N/A	N/A			
	Terminal Element: Projects in Development	20,000	179	0	N/A	N/A			

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.

<sup>2.</sup> 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 AS OF: 6/30/2015

Projects	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
Terminal E	Element					
DA-4779-PE	B - PASSENGER	BOARDING BI	RIDGES RELO	CATION (DA-4779-PBB)	,	
6/8/2015	DA-4779/C04 0007 \$679 Gate 23 Punch List Item#25 Not in Scope					
6/15/2015	DA-4779/C04	0008	\$4,099			Test and Adjust Hydraulic Pressure
6/25/2015	DA-4779/C04	0009		\$162,955		PBBR - 3/7 Design Changes - Submittal No. 0008 PBBR-0 T2 PBB and Fixed Walkwa
6/2/2015	DA-4779/C04	0009		\$198,350		06/27/14 Progress Set Design Revisions
6/3/2015	DA-4779/C04	0010	\$14,175			7/31/14 - 100% Construction Documents
6/5/2015	DA-4779/C04	0011	\$37,478			Gate 23 PBB Fixed Walkway Unforeseen Condition
6/15/2015	DA-4779/C04	0012	\$47,495			PBB and Fixed Walkway Foundation Design
6/17/2015	DA-4779/C04	0013	\$508			Fill Holes in Apron from Soils Testing
DA-4779-T2	SF - TERMINAL 2	RENOVATION	(DA-4779-T2S	F)		
6/2/2015	DA-4779/C03	0007	(\$54,740)			Delete Scope for FM 200 Systems and 1 Hour Rating in IT Rooms 1062A and 1062B
6/4/2015	DA-4779/C03	0008	\$0			Fasteners (Ramset) Substitution Request
6/4/2015	DA-4779/C03	0009	\$0	(\$177,844)		Design Notice 05 Signage Plans
6/17/2015	DA-4779/C03	0010	(\$1,126)			400 Hz Room Expansion Changes
6/25/2015	DA-4779/C03	0011	\$5.148			Airline (Virgin Atlantic) Not Moving Impact
6/3/2015	DA-4779/C03	0002	\$4,181			Acoustical Ceiling Tile (ACT) Compression Post Detail
6/4/2015	DA-4779/C03	0003	\$3,227			Barricade Opening for CTX Machine Move
6/4/2015	DA-4779/C03	0004	\$0			Fasteners (Ramset) Substitution Request
6/8/2015	DA-4779/C03	0005	\$28,526			Fritz Tile on Arrivals Level
6/25/2015	DA-4779/C03	0002	\$70,125			Stainless Steel Crash Rails
6/25/2015	DA-4779/C03	0003	\$42,076			Column Cover Clarifications
DA-4798 - T-	4 CONNECTOR - T	URNER (DA-479	8)			
6/2/2015	DA-4798	0057	\$26,769			Install Additional Lights and Sprinklers in BHS Right of Way (Design Fee)
6/24/2015	DA-4798	0058	\$133,807			Install a new 10" Diameter Fire Water Line that Tie into the Existing 10" Fire Water Lin



Projects	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
Terminal E	Element			· ·	-	
DA-4849 - T	BIT RENOVATION	I, APRONS, AN		SE DEMOLITION PROJE	ECT (DA-4849)	
6/1/2015	DA-4849/0000	0456	(\$9,626)			TBIT APRON - Reinforced Pavement sections at Removed Communication
6/1/2015	DA-4849/0000	0457	\$125,523			TBIT RENO - DWP Vault Wall Undermining From Stair Demolition
6/5/2015	DA-4849/0000	0458	\$16,458			TBIT RENO - Level 3 Demolition at Truss Columns along 39-Line
6/5/2015	DA-4849/0000	0459		(\$254,182)		Cancellation for CO-331 TBIT RENO - Volume 2, Level 4, Canopy Light Attachment
6/5/2015	DA-4849/0000	0460		\$194,415		TBIT RENO - Volume 2, Level 4, Canopy Light Attachment
6/8/2015	DA-4849/0000	0461	\$24,977			TBIT RENO - Bathroom Lavatory Countertop Support Clarification
6/8/2015	DA-4849/0000	0462	\$28,612			TBIT RENO - Grounding of Passenger Boarding Bridge's (PBB) and Ramp
6/10/2015	DA-4849/0000	0463	\$24,971			TBIT RENO - Additional Terrazzo Flooring for Permanent In-Transit Path of Travel
6/11/2015	DA-4849/0000	0464	\$14,250			TBIT RENO - Attachment of Under Counter Corbels to Walls
6/11/2015	DA-4849/0000	0465	\$17,105			TBIT RENO - Re-lamping in Level 1 South (Including Area C9 and C10 High Bay) and
6/11/2015	DA-4849/0000	0466	\$11,558			TBIT RENO - Level 4 Existing Utilities Conflict with New Duct Work in TSA
6/12/2015	DA-4849/0000	0467	\$12,204			TBIT RENO - Moisture System Required for Rooms to Receive Resi
6/12/2015	DA-4849/0000	0468	\$28,617			TBIT APRON - Volume 7 - North Loading Dock Water Service
6/15/2015	DA-4849/0000	0469	\$5,872			TBIT RENO - Unforeseen Existing Column at Women's Toilet 3C9-05
6/16/2015	DA-4849/0000	0470	\$1,964			TBIT APRON - Removal of Stainless Steel Bench from Gate-131 and Reinstallation at
6/16/2015	DA-4849/0000	0471	\$11,168			TBIT RENO - Level 1 Duct Reroute Around High Bay Elevator Pits
6/17/2015	DA-4849/0000	0472	\$2,533			TBIT APRON - South Loading Dock Stair between N and P Line
6/18/2015	DA-4849/0000	0473	\$13,249			TBIT RENO - Volume 1 - Level 2 Demolition of Soffits for Steel Installation
6/25/2015	DA-4849/0000	0474	(\$296)			TBIT RENO - Volume 3: Hot Water Lines to Emergency Eyewash (EEW)
6/30/2015	DA-4849/0000	0475	\$490			TBIT RENO - Hard Hats and Safets Glasses for Smarte Carte Employees
6/30/2015	DA-4849/0000	0476	\$1,337			TBIT RENO - Milestone 3 Network Switch Locations

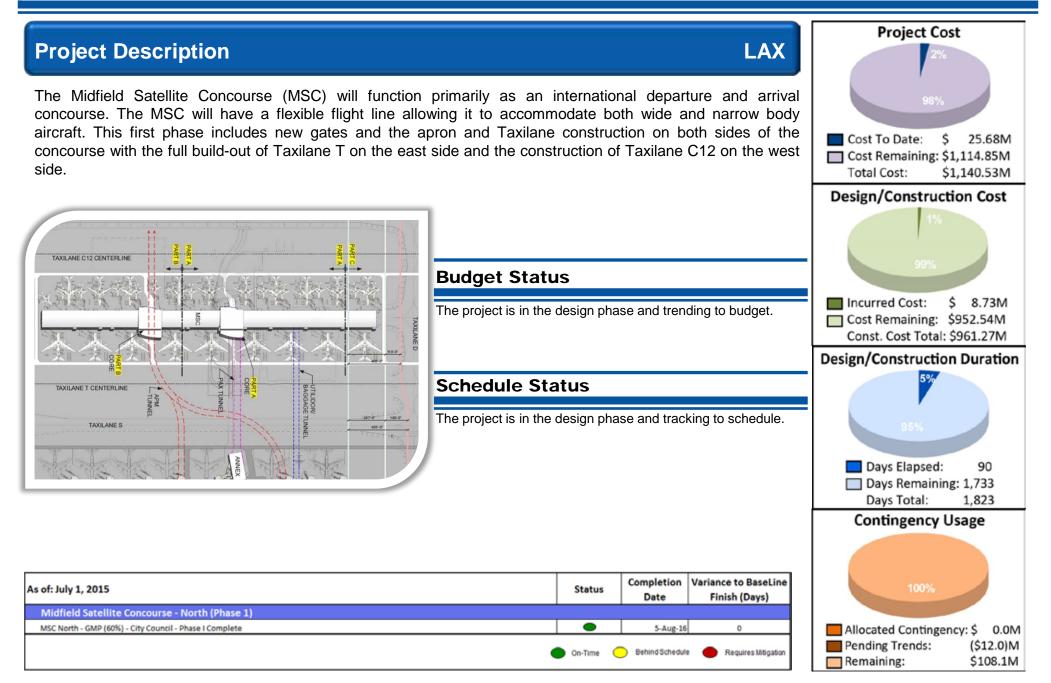


### MSC ELEMENT PROJECTS IN DELIVERY Midfield Satellite Concourse (Enabling)

#### **Project Cost Project Description** LAX The new Midfield Satellite Concourse, west of the Tom Bradley International Terminal (TBIT) will provide new aircraft gates for Group V and VI aircraft, such as the Airbus A380 and the Boeing 747-8. The project may also include taxiway/taxilane improvements, utility improvements, and other work as described in the Notice of Cost To Date: \$10.26M Preparation of an Environmental Impact Report (released February 8, 2013). Cost Remaining: \$63.74M Total Cost: \$74.00M An early enabling contract was awarded to prepare the site for the MSC North Gates construction; and consists of Construction Cost relocating the Beacon tower, Closed Circuit Television (CCTV) cameras, Radio Transmitter Receiver (RTR) and other similar efforts. **Budget Status** porary Aircraft Parking Po (Future Taxiway C14) Incurred Cost: \$ 2.69M General Site Preparati The project is trending to budget. Cost Remaining: \$28.18M Const. Cost Total: \$30.87M Abatement and Demol of Existing Facilities QANTAS **Construction Duration** 11 Q. Schedule Status 26% The contractor is reporting a delayed completion for the Airport Utility Relocations/Improvement (#1548 and #66 Rotating Beacon (ARB) scope. The project team is working onal Aids enna Arra with the contractor to mitigate the delay. EAA N Days Elapsed: 285 812 Days Remaining: Days Total: 1.097 **Contingency Usage** Variance to BaseLine Completion As of: July 1, 2015 Status Date Finish (Days) Midfield Satellite Concourse - Enabling Project (Various) 64.4% $\circ$ 5-Feb-16 -98 Airport Beacon - Construction Complete 0.7% 11-Dec-15 0 Radio Transmitter Receiver - Construction Complete 17-Mar-16 0 Radio Transmitter Receiver - FAA Equpment Installation Complete Allocated Contingency: \$0.0M PMO Trailers - Move In Ready 15-Oct-15 0 Pending Trends: \$3.7M Behind Schedule Requires Mitigation On-Time Remaining: \$2.0M



#### MSC ELEMENT PROJECTS IN DELIVERY Midfield Satellite Concourse (North Gates)





	(dollars in thousands)									
Status	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)			
	Capital Budget 3									
Active	MSC Enabling Project	74,990	75,982	45,169	10,256	73,996	1,986			
Active	MSC North Gates	1,248,650	1,248,650	990,276	25,680	1,140,525	108,125			
	Subtotal: Capital Budget 3	1,323,640	1,324,632	1,035,445	35,936	1,214,521	110,111			
	MSC Element: Total	1,323,640	1,324,632	1,035,445	35,936	1,214,521	110,111			

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 AS OF: 6/30/2015

Projects Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes				
MSC Element									
No change orders proces	sed during the p	eriod.							



### **TENANT IMPROVEMENTS ELEMENT** Terminal Commercial Management (TCM)



### **Project Description**

### 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, Tom Bradley International Terminal 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

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.





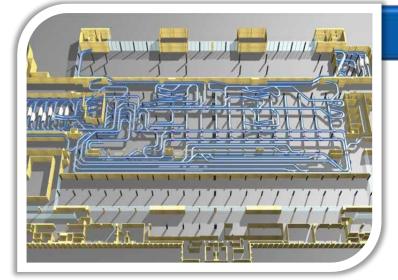
# **Project Description**

### LAX

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.



### TENANT IMPROVEMENTS ELEMENT Bradley West Outbound Baggage Handling System



### **Project Description**

### 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.





### **Project Description**

LAX

Delta Air Lines is renovating Terminal 5 through a series of projects including: upgrade to the Terminal 5 Customs and Border Protection and Federal Inspection Station (CBP/FIS) processing area, construction of an in-line baggage screening facility, upgrade of the Terminal 5 Security Screening Check Point (SSCP) by reworking the queuing area, adding escalators and adding additional lanes for passenger screening, upgrade of the ticket lobby and baggage claim, upgrade the signage and wayfinding, and improvements in the gate and departure levels in Terminal 5. In addition to Delta's renovation, a phased implementation of a new concessions program in the terminal began in the fall of 2011. Overall, work in Terminal 5 includes the scope, both airline and LAWA-related, being done by Delta Air Lines, Elevator and Escalator Replacement and Concessions.





# **Project Description**

LAX

Alaska Airlines completed an upgrade of Terminal 6 in March 2012. These upgrades include: construction of an in-line baggage screening facility project; ticket lobby renovations; construction of additional lanes for the Security Screening Check Point (SSCP); reconstruction of the Federal Inspection Services (FIS) corridor in the satellite extension; replacement of the escalators and elevators in the terminal and upgrading the departure area finishes. Major renovations to the terminals concessions areas are ongoing as part of the Tenant Concessions Management (TCM) Program.



#### TENANT IMPROVEMENTS ELEMENT Terminal 7/8



### **Project Description**

### LAX

United Airlines is preparing a major renovation program for Terminal 7/8. These renovations include: improvements to the passenger Security Screening Check Point (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 passenger lounge and support office space.



#### **User's Guide - Budget Reports**

The information provided herein is designed to furnish users of the Airport Development Group (ADG) 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).



	(0	dollars in tho	usands)		-	
Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)
Capital Budget 1						
Airside Element	506,810	483,689	405,733	404,414	469,875	13,814
Terminal Element:						
Bradley West Program	2,040,915	2,098,544	2,098,905	1,998,414	2,120,661	(22,117)
Elevator & Escalator Program	270,000	242,580	228,516	161,587	234,533	8,047
Utilities & Landside Element:						
Central Utility Plant Program	423,835	412,121	392,279	379,324	400,175	11,946
Infrastructure Program	8,175	13,723	13,723	13,723	13,723	0
Residential/Soundproofing Element	180,000	153,187	152,437	152,437	153,187	0
CB1-Unallocated Contingency	N/A	29,000	N/A	N/A	0	29,000
Subtotal: Capital Budget 1		3,432,844	3,291,593	3,109,899	3,392,154	40,690
Capital Budget 2						
Airside Element	51,421	44,017	42,090	41,449	42,520	1,497
Terminal Element	422,202	422,717	352,502	132,521	406,401	16,316
Utilities & Landside Element	101,642	124,369	105,843	70,825	113,779	10,590
Residential/Soundproofing Element	1,317	1,124	1,124	1,124	1,124	0
CB2-Unallocated Contingency	N/A	28,705	N/A	N/A	0	28,705
Subtotal: Capital Budget 2		620,932	501,559	245,919	563,824	57,108
Capital Budget 3						
Airside Element	164,770	164,770	129,119	47,193	153,597	11,173
Terminal Element	0	20,552	17,260	578	19,859	693
Utilities & Landside Element	26,033	26,760	21,318	12,979	28,768	(2,008)
Midfield Satellite Concourse Element	1,323,640	1,324,632	1,035,445	35,936	1,214,521	110,111
CB3-Unallocated Contingency	N/A	0	N/A	N/A	0	0
Subtotal: Capital Budget 3		1,536,714	1,203,142	96,686	1,416,745	119,969
Projects in Development	N/A	N/A	21,515	16,164	N/A	N/A
Report Total		5,590,490	5,017,809	3,468,668	5,372,723	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.



SUBCONTRACTOR UTILIZATION SUMMARY REPO						
Firm	Contract No.	Proposed Level of Participation	SBE	DBE	M/WBE	Remarks
SBE PROCURED CONTRACTS						•
AVB Management Partners Joint Venture	DA-4834	20.00%	32.27%	N/A	14.52%	
Griffith	DA-4948	20.00%	27.99%	N/A	N/A	
Griffith/Coffman Joint Venture	DA-4925	17.00%	1.38%	N/A	N/A	
Hill/APSI Joint Venture	DA-4828	20.00%	22.14%	N/A	N/A	
Integrated Project Control Team (IPCT) Joint Venture	DA-4829	20.00%	5.75%	N/A	N/A	
Myers & Sons/Banicki Joint Venture	DA-4879	15.00%	20.13%	N/A	N/A	
Parsons Transportation Group	DA-4835	20.00%	28.66%	N/A	N/A	
Skanska W.E. O'Neil Joint Venture	DA-4924	25.00%	0.00%	N/A	N/A	No Subs Billed
Steve Bubalo Construction Co	DA-4926	10.00%	1.08%	N/A	N/A	
Turner/PCL Joint Venture	DA-4971	15.00%	0.00%	N/A	N/A	No Subs Billed
W.E. O'Neil Construction	DA-4923	11.60%	20.93%	N/A	N/A	
Paslay Management Group	DA-4976	15.00%	0.00%	N/A	22.60%	
DBE PROCURED CONTRACTS						
AECOM Technical Services, Inc.	DA-4260	12.00%	N/A	20.11%	N/A	
Atkins	DA-4515	24.00%	N/A	24.20%	N/A	
Clark McCarthy Joint Venture	DA-4849	18.05%	6.88%	N/A	N/A	
Fentress Architects	DA-4274	13.75%	N/A	5.95%	11.50%	
Griffith/Coffman Joint Venture	DA-4974	9.50%		0.00%		Pending First Billing
Kimley-Horn and Associates	DA-4555	5.13%	N/A	8.14%	6.11%	
Turner Construction Company	DA-4798	15.00%	0.26%	1.09%	N/A	



SUBCONTRACTOR UTILIZATION SUMMARY REP	Achieved Participation to Date*							
Firm	Contract No.	Proposed Level of Participation	SBE	DBE	M/WBE	Remarks		
M/WBE PROCURED CONTRACTS								
Atkins	DA-4679	11.50%	N/A	9.08%	3.04%			
Base Architecture	DA-4713	20.00%	N/A	0.00%	26.17%			
Clark/McCarthy Joint Venture - Construction	DA-4554	16.00%	N/A	N/A	14.21%			
Clark/McCarthy Joint Venture - Design	DA-4554	20.10%	N/A	N/A	19.16%			
Gin Wong	DA-4750	20.00%	N/A	N/A	43.68%			
Gruen Associates	DA-4761	25.00%	N/A	N/A	52.07%			
HNTB Corporation	DA-4748	20.00%	N/A	2.39%	11.27%			
Parsons Transportation Group, Inc.	DA-4415	23.00%	N/A	N/A	48.11%			
Rivers & Christian	DA-4762	26.00%	N/A	N/A	29.10%			
Skidmore Owings & Merrill	DA-4822	23.00%	N/A	N/A	15.94%			
Turner Construction Company	DA-4779	15.00%	N/A	N/A	6.07%			
URS Corporation, Inc.	DA-4763	20.00%	N/A	N/A	20.36%			
W.E. O'Neil Construction Co. of California	DA-4712	9.60%	N/A	N/A	5.84%			

\*Achieved Participation to Date includes progress in the pledged program and progress outside of the pledge.