

# **Airports Development**

**Executive Management** 

Program Status Report

December 31, 2012



# TABLE OF CONTENTS

Project Status	 3
Work in Progress	 32
Schedule	 40
Financial	 48
OCIP	 73
MWBE/DBE	 76



# **ELEMENT OVERVIEW**

#### Purpose

This report is a tool to provide status of the Capital Projects for the Airports Development Group. The report presents status per project followed by the Master Program Schedule, a Financial section with Budget, Cash Flow and Change Orders, OCIP, MWBE/DBE, and a section listing Projects in Definition.

#### **Airside Element**

The Airside Element consists of multiple projects necessary for accommodating the movement of large aircraft between the north and south runways; reconfiguring traffic movement to accommodate the Tom Bradley International Terminal (TBIT) expansion and modernization program; and provide airfield improvements as required by Airfield Operations, the Federal Aviation Administration and other Federal and State regulatory agencies.

#### **Bradley West Element**

The Bradley West Element provides for certain 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 will support the airport's ability to effectively and efficiently accommodate new large aircraft, such as the Airbus A380, Boeing 747 and Boeing 747-8. In addition, the project calls for substantial improvements related to the concourses and central core area of the Tom Bradley International Terminal, including:

- construction of new north and south concourses at the terminal, west of the existing concourses, which would be removed;
- construction of eight aircraft gates and associated loading bridges and apron areas, along the west side of the new terminal concourses;
- relocation and consolidation of existing aircraft gates along the east side of the Tom Bradley Terminal;
- renovation and enlargement of the existing U.S. Customs and Border Protection areas within the central core of the terminal; and
- construction of the secure passenger corridors between Terminals 3 and 4, and the Bradley Terminal.



# **ELEMENT OVERVIEW - Continued**

#### Central Utility Plant (CUP) Replacement Element

The CUP Replacement Element includes replacing the existing CUP, constructed in 1961, and the co-generation facility, brought into service in 1985, which are considered obsolete and inefficient relative to present-day technology, the distribution network between the CUP and the terminals, and various mechanical/electrical infrastructure improvements within the terminals.

#### Landside Element

The Landside Element undertakes capital 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, train stations, tank farms, warehouse and cargo areas and access roads and perimeter fencing.

#### **Residential / Soundproofing Element**

LAWA has implemented a voluntary Airport Residential Soundproofing Program (RSP) for aircraft noise impacted areas in the City of Los Angeles. This program is for impacted homes adjacent to the Los Angeles International Airport (LAX) and Van Nuys (VNY).



# **ELEMENT OVERVIEW - Continued**

#### **Terminals Element**

Most of LAX's Terminals have been serving their purpose without major renovations or modernization efforts over the 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.

#### Work in Progress

This section lists the projects that are in various stages of pre-development. Typically, these projects represent efforts for which LAWA has committed funding for the design; not the construction. A project in this category will experience variability as the design is refined. If approved, projects in Work in Progress will be moved into the appropriate execution element. If not approved, projects will be dropped from this report.



# AIRSIDE ELEMENT - Taxilane 'S' (M204A)

# **Project Description**

This project undertakes the relocation of certain ancillary and support facilities and constructs a 3,785-foot long Taxilane to connect Taxiway 'B' on the south and Taxiway 'E' on the north. Taxilane 'S' will be constructed as part of a 400-foot wide Portland Cement Concrete (PCC) paved strip which will be the first part of the future Dual Taxilane / Taxiway System between the proposed Midfield Satellite Concourse and the Tom Bradley International Terminal. The centerline is located 242 feet west of the existing Taxiway 'Q' centerline. A 169-foot-Object Free Area (OFA) will be provided on the east side of the Taxilane 'S' centerline in accordance with the FAA approved Airport Layout Plan (ALP). This construction also includes the relocation of fuel lines and other utilities, all grading, airfield signage and lighting, construction of LADWP power and communication ductbanks; and the LAWA power and communication ductbanks. Additionally, Taxiway D will be extended approximately 1,000 feet west from Taxiway Q.

The project also includes the construction of approximately 60,000 square yards of pavement and associated drainage covering the aprons on the west side of the north and south Concourses as well as the apron west of the Bradley Core. This apron construction includes all grading, utilities and airfield signage; construction of LADWP power and ductbanks; and the LAWA power and communications ductbanks.

# **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

Design is 100% complete.

# **Construction Progress**

All work is complete and all taxiways are open and in operation.

#### **Budget Status**

The contractor has submitted a group of large potential overall project impact claims. ADG is evaluating these impact claims for merit and it appears this project will complete over budget.



# AIRSIDE ELEMENT - Taxilane 'S' (M204A) - Continued

# **Schedule Status**

- \* Construction Notice to Proceed for the project was issued on March 1, 2010.
- \* Construction contract was awarded to Flatiron West, Inc. (FWI) on December 7, 2009.
- \* Taxiway T opened on September 27, 2011.
- \* Taxiway D opened on October 4, 2011.
- \* Taxilane S opened on November 17, 2011.
- \* Taxiway E opened April 20, 2012.
- \* Ramp pavement west of Bradley West Terminal and adjacent to Taxilane S was completed on April 13, 2012.
- \* New Security Post #5 was completed on June 8, 2012.
- \* Project substantial completion occurred June 30, 2012.

#### <u>Issues</u>

The Contractor has submitted a group of large potential overall project impact claims. ADG is evaluating these impact claims for merit and it appears this project will complete over budget.



# AIRSIDE ELEMENT - Taxilane 'T' (M306A)

# **Project Description**

The project consists of the construction of a 3,166-foot long Taxilane to connect Taxiway 'C' on the south and Taxiway 'D' on the north. Taxilane 'T' will be constructed as part of a 300-foot wide Portland Cement Concrete (PCC) paved strip which will be the second part of the future Dual Taxilane / Taxiway System replacing existing Taxiways 'Q' and 'S', west of reconfigured Tom Bradley International Terminal (TBIT). The Taxilane 'T' centerline is located 818 feet west of the existing Taxiway 'Q' centerline. A 169-foot-Object Free Area (OFA) will be provided on the west side of the Taxilane 'T' centerline in accordance with the FAA approved Airport Layout Plan (ALP). This construction also includes the Taxilane 'T' Service Road; the relocation of fuel lines and other utilities; all grading, airfield signage and lighting, construction of LADWP power ductbanks; and the LAWA power and communication ductbanks. This scope of work also includes associated work which consists of TWA Hangar Retrofit/Demo, an Emission Reduction Credit, and Site Restoration of American Airlines former Low Bay Hangar and ramp.

# **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

The design contract for Taxiway T was awarded to Kimley Horn & Associates. The design of Taxiway T Phase 1, consisting of the southern portion of Taxiway T, was completed on December 5, 2012.

# **Construction Progress**

The enabling demolition construction contract was awarded to Evans Brothers and is 85% complete.

# **Budget Status**

This project is tracking on budget.

This project is eligible for 75% FAA reimbursement under the existing MOA/LOI.

# **Schedule Status**

The Board approved the Authorization to Advertise the Taxiway T Phase 1 construction contract at the November 13, 2012 Board meeting. The bid documents were released on December 6, 2013 and bids are due in mid-January 2013.

The enabling project construction is proceeding; and potential schedule impact is currently forecast to be eight-weeks.

#### <u>Issues</u>

Various phasing options have been discussed with the FAA. The enabling works contractor has encountered unforeseen contaminated soil (jet fuel) and structural variances which may impact the enabling projects schedule.



# **AIRSIDE ELEMENT - Construction Support Facilities (M209A)**

# **Project Description**

The project includes the construction of a new aircraft parking ramp/block, new emergency exits for American Airlines Maintenance Hangar, airfield security fencing, building modifications, and other miscellaneous construction activities as may be required.

# Planning and Programming Status

Project Definition is complete.

# **Design Progress**

Design is 100% complete.

# **Construction Progress**

First construction contract was awarded to Griffith Construction on April 21, 2009.

Work on the fire water main at Pershing Drive and World Way West is complete.

Telecom/ductbank work on World Way West is complete.

Overall construction progress is 90% complete.

# **Budget Status**

Project is tracking on budget.

# **Schedule Status**

The project is tracking on schedule.

# <u>Issues</u>



# AIRSIDE ELEMENT - Runway Safety Area Improvements Project - South Side (A014A)

#### **Project Description**

This project will make improvements to the Runway Safety Area (RSA) on the west end of Runway 7L/25R, to meet FAA Standards and meet Federal mandated improvements by end of 2015. The project will extend the west end of Runway 7L/25R by approximately 850 feet to provide the full 1,000 feet clearance requirement for the RSA. This project will also require demolition of existing taxiway connector B16, grading, construction of new runway and taxiway pavement, associated storm drains and electrical utilities, pavement markings and striping, airfield lighting modifications, installation of new lights, Navaids relocation, barricades, blast fence and other specialty items.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

Detailed design has commenced and 60% design documents is anticipated in February 2013.

### **Construction Progress**

No construction contract awarded.

# **Budget Status**

This project is tracking on budget.

# **Schedule Status**

This project is trending on schedule.

#### <u>Issues</u>



# **AIRSIDE ELEMENT - Taxilane D-10 Reconstruction (A018A)**

# **Project Description**

This project consists of reconstructing approximately 5,000 square yards main centerline portion of Taxilane D-10 in Portland Cement Concrete (PCC), along with PCC apron repairs and fueling hydrant relocations in the ramp area around Terminal 3 at LAX. Alaska Airlines is scheduled to relocate their operations from Terminal 3 to Terminal 6 in early April 2012. For a period of approximately six (6) months, the apron at Terminal 3 will be partially vacated of aircraft traffic. This provides LAWA a brief window of opportunity to make pavement repairs and improvements.

#### **Planning and Programming Status**

Project definition is complete.

# **Design Progress**

Design is 100% complete.

# **Construction Progress**

The construction contract was awarded to Sully-Miller Contracting on March 5, 2012.

Phase 4, Gates 34 and 35, are complete and opened two days ahead of accelerated schedule.

Construction is complete.

# **Budget Status**

This project is anticipated to close under budget.

# **Schedule Status**

This project is in the close-out phase.

# <u>Issues</u>



# AIRSIDE ELEMENT - Runway 25R & Taxiway B East End Rehabilitation & Taxiway C Extension (A012A)

### **Project Description**

The purpose of the project is to rehabilitate the deteriorating concrete pavement at the east end of Runway 25R/7L and Taxiway B. The project also includes the easterly extension of Taxiway C to end of the Runway 25R. The project will include full reconstruction of the Runway 25R from the east end of the runway to Taxiway F. The 50-foot wide main wheel gear section of Runway 25R will be reconstructed from Taxiway F to Taxiway N. The project will also reconstruct the east end of Taxiway B from Taxiway F to the eastern end of Runway 25R. The project also includes the extension of Taxiway C from Taxiway F to the east end of Runway 25R.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

Detailed design has commenced and 60% design documents is anticipated in February 2013.

#### **Construction Progress**

No construction contract has been awarded.

#### **Budget Status**

This project is tracking on budget.

#### **Schedule Status**

Project is tracking on schedule.

#### <u>Issues</u>



# AIRSIDE ELEMENT - Pavement Management Program - VNY Taxilane A2 Rehabilitation - Phase 2 (A010B)

#### **Project Description**

This project is the second and last phase of pavement rehabilitation for Taxilane A2 at Van Nuys Airport. This complete rehabilitation of the taxilane will allow for its dual usage which will increase safety and allow for further development of aviation services within that portion of the airfield. The project is eligible for 95% AIP reimbursement.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

Design is 100% complete.

#### **Construction Progress**

All work is substantially complete and taxiways are open and in operation.

#### **Budget Status**

This project was completed under budget; and the financial close-out is anticipated in January 2013.

Los Angeles World Airports (LAWA) received a Federal Aviation Administration (FAA) grant on June 22, 2011 in the amount of \$2,576,731 for this project.

#### **Schedule Status**

Project close-out is in progress.

#### <u>Issues</u>



# **AIRSIDE ELEMENT - AOA Perimeter Fence - Phase 4 (L014A)**

# **Project Description**

This project will enhance the security of the Airport Operation Areas (AOA) perimeter fencing along Imperial Highway, Aviation and Century Boulevards. The scope includes replacing the existing fencing and gates and other additional security enhancements to meet LAWA AOA standards. Completing this project, which is the last phase of a multi-phased security fencing program, will ensure that AOA fencing along the entire perimeter of LAX meets the same enhanced LAWA security standards.

#### **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

Design is 100% complete.

# **Construction Progress**

The construction contract was awarded to Stronghold Engineering on August 15, 2011.

The contractor is currently installing fencing in the cargo corridor area in the northeastern project area.

Construction is 72% complete.

# **Budget Status**

This project is tracking on budget.

# **Schedule Status**

This project is tracking on schedule.

# <u>Issues</u>



# AIRSIDE ELEMENT - VNY Runway 16R Rehabilitation (A016A)

### **Project Description**

Runway 16R/34L is the 8,000-foot long primary runway at Van Nuys Airport (VNY). Over the years, the Runway has deteriorated and recent testing found the majority of runway pavement to be in poor condition. This project will implement a combination of building methodologies that meet specific Federal Aviation Administration (FAA) standards, to reconstruct Runway 16R/34L while continuing to mitigate operational impacts to the tenants and users of the airport.

#### **Planning and Programming Status**

Project definition in process.

#### **Design Progress**

Design is 100% complete.

#### **Construction Progress**

The construction contract was awarded to Security Paving Company, Inc on October 15, 2012.

The Contractor continues to mobilize and is currently obtaining necessary permits including Motor Vehicle Operator's Permit (MVOP), grading permit for the construction trailer site, and FAA 7460. LAWA has received submittal documents including the construction baseline schedule, which are currently under review.

Construction NTP is anticipated in late February, 2013.

#### **Budget Status**

The project is tracking on budget.

Los Angeles World Airports (LAWA) received a Federal Aviation Administration (FAA) grant in September 2012 in the amount of \$18,365,120, which represents 90% of the eligible budget. LAWA has applied for an AIP Matching Grant from the State of California which is up to 5% of the FAA grant award.

#### **Schedule Status**

Project is tracking on schedule.

#### <u>Issues</u>



# **BRADLEY WEST ELEMENT - Bradley West Gates (M201A)**

# **Project Description**

The project consists of the construction of new double-loaded North and South Concourses at Tom Bradley International Terminal (TBIT) and IWBT. The configuration of the concourses will be based upon the approved aircraft parking layout consisting of nine (9) A380 gates and five (5) Airplane Design Group (ADG) V gates and three (3) narrow-body gates. In addition, the work will consist of constructing approximately 540,000-sq. ft. of space for passenger services (concessions, toilets etc.), building systems (mech/elect/plumbing), building maintenance, airline operations, retail/food service concessions, concessions storage areas, back of house secured circulation space and airline lounges. The project will also include Building Systems (pedestrian transportation systems, HVAC, electrical and plumbing, drainage, lighting), Telephone System, Life Safety Systems (PA and smoke/fire detection, alarm and sprinkler) and Terminal Systems such as Electronic Visual Information Display System (EVIDS), baggage conveyance, building management systems, access control, intrusion alarm, etc.

# **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

Complete.

# **Construction Progress**

North Concourse:

A Temporary Certificate of Occupancy (TCO) for the North Concourse has been approved by the Los Angeles Department of Building and Safety (LADBS) on 12/14/12. Final turnover to LAWA Operations will occur in January 2013.

South Concourse:

Coordination between Main Building construction and Tenant Space contractors continues.

MEP, Terrazzo and Finish Work in South Concourse Holdrooms, Restrooms, Corridors and Tenant Spaces is on-going.

Pylon Glass and MEP work moves forward in the South Concourse Sterile Corridor.

Finished Metal Panel installation on roofs and soffits is on-going.

South Concourse IT & Electrical Room build-out progresses.

Installation of Moving Walkways and Elevators advances.

Work on High Ceilings in Holdrooms/Departures is completing.

Work on all South Concourse Piers moves forward - Elevator installation, IT Room Build-Out, Terrazzo, Drywall, Ceiling Work, Enclosures, MEP, etc.

All Bradley West Passenger Boarding Bridges have been delivered.



# **BRADLEY WEST ELEMENT - Bradley West Gates (M201A) - Continued**

#### **Budget Status**

Component Guaranteed Maximum Price 01 through 15 have been approved by the Board; and the buyout is complete. The budget variance is being closely monitored.

#### **Schedule Status**

Early Operation of Gate 134/134A Target Date: 08/01/12 Actual Date: 8/26/12 Operation of Gates 130 and 132: Target Date: 01/03/13 Forecast Date 01/03/13

West Gates Substantial Completion Target Date: May-2013 Forecast Date: May-2013

#### <u>Issues</u>

Due to the schedule requirements of the project, shift work for specific trades will continue to be purchased. They include roofing, the MEP (Mechanical, Electrical & Plumbing) trades, specific finish work and elevator/escalators crews.



# **BRADLEY WEST ELEMENT - Bradley West Core Improvements (M203A)**

# **Project Description**

This project will provide improvements to the Federal Inspection Service (FIS) facilities in Tom Bradley International Terminal (TBIT) and allow for the development of new 693,000-sq. ft. improved departure level (post security) passenger amenities, including new restrooms, concessions, airline lounges, and administrative offices within TBIT's existing north and south concourses; renovates TBIT Phase 0,and included is the Integrated Environmental Media System (IEMS) which employs cutting edge technology to create an iconic passenger experience.

#### **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

Design is 95% complete.

# **Construction Progress**

Coordination between Main Building construction and Tenant Space contractors continue.

Pre-Testing of MEP (Mechanical, Electrical, Plumbing) Systems has commenced.

Build-Out of Electrical, Mechanical and IT Rooms continues.

Elevator and Escalator installation moves forward.

Metal Stud Wall/Ceiling Framing, General MEP Rough-In, Drywall and Terrazzo work is progressing throughout the Core Building.

Work in Tenant Spaces advances - Premier Lounge, Food & Beverage / Dining / Restaurant / Duty Free Spaces, etc.

Core Standing Seam/PVC Roof installation and Composite Metal Panel work at the Soffits progresses.

Installation of the new Baggage Handling System (BHS) moves forward.

Main structural work on IEMS Time Tower is complete.

Rain water infiltration was experienced on the Core. Remedial efforts have taken place.

The South Tower Crane has been taken down.

Build-out of the IEMS Control Room advances

# **Budget Status**

Component Guaranteed Maximum Price 01 through 20 have been approved by the Board; and the buyout is complete.

# **Schedule Status**

Milestone #3 - New Core Construction Complete

Target Date: May-2013 Forecast Date: May-2013



# BRADLEY WEST ELEMENT - Bradley West Core Improvements (M203A) -Continued

#### <u>Issues</u>

A Temporary Certificate of Occupancy (TCO) for the North Concourse has been approved by the Los Angeles Department of Building and Safety (LADBS) on December 14, 2012; and final turnover to LAWA Operations is forecast by mid-January 2013.



# BRADLEY WEST ELEMENT - Bradley West Traffic Mitigations -World Way South/Center Way (M203C)

#### **Project Description**

This project will allow for the mitigation measure related to the Bradley West Project 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 ADA access ramps to bring them to current standards and other miscellaneous and related improvements.

#### **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

A design services proposal was submitted and has been reviewed and negotiated. NTP to be issued January 2013.

# **Construction Progress**

No construction contract has been awarded.

# **Budget Status**

The project is tracking on budget.

# **Schedule Status**

Project is tracking on schedule.

# <u>Issues</u>



# **BRADLEY WEST ELEMENT - Art In Public Places (M308A)**

#### **Project Description**

The program, part of the City of Los Angeles commitment to the community, commissions local artists to produce original artwork for public places. The City passed a law in 1989 allocating one percent of all capital improvement costs to commission art in public places. The Department of Cultural Affairs administers this program through its Public Art Division, aiming to utilize this one percent to contribute enduring, contemporary art experiences to public facilities in the City.

#### **Planning and Programming Status**

The Art Oversight Committee (AOC) reviewed six applications in response to their invitation and selected three finalists: Ball-Nogues Design Studio; Mark Bradford; and Pae White Studio. The Department of Cultural Affairs has initiated contracts with the selected finalists for \$1 million each; and is monitoring the artists' progress with established payment milestones. Ball-Nogues' artwork will be located in the North Light Well; Mark Bradford's artwork will be located in the existing TBIT building, Ticketing Lobby (Mezzanine Level); and Pae White's artwork will be located in the Sterile Corridor.

#### **Design Progress**

Ball-Nogues Studio: WAJV installed connection points fabricated by the Artists. The Artists met with LADBS to review artwork loads, connection design, and materials, and are working with Fentress and First Circle (lighting consultant) to provide a lighting plan and electrical needs for the artwork. The Artists provided artwork and lighting install diagrams and timelines to LAWA. The Artists will seek Final Approval from the Cultural Affairs Commission on September 20, as well as meet with the Public Art Committee for a technical review on the same day.

Pae White: The goal is to achieve artwork approvals by LAWA, CBP, LADBS, LAFD, and DCA by late September. The Artist is to provide a set of drawings describing the totality of the artwork with conditions typical and specific at each bay, as well as structural calculations, basis of design, connection details, material safety, product data, and fire testing information. Additional items as applicable to each stakeholder may be requested until all concerns are addressed. The Artist will seek Final Approval from the Cultural Affairs Commission on September 20, as well as meet with the Public Art Committee for a technical review on the same day.

Mark Bradford: LAWA and DCA conducted a studio visit with the Artist to review artwork drawings and mock-ups. The Artist is continuing design development and addressing the interior of the artwork to create more visual interest and a cohesive surface. The Artist is reviewing potential materials for fire retardant levels, as well as interviewing possible fabricators. The Artist will likely seek Final Approval from the Cultural Affairs Commission in October.



# **BRADLEY WEST ELEMENT - Art In Public Places (M308A) - Continued**

# **Construction Progress**

Fabrication for the artworks has not started. Once the Artists have received Final Approval from the Cultural Affairs Commission, the Artists will receive a NTP with fabrication. Further notes on the specific projects:

Ball-Nogues Studio: The Artists will need a five-month lead time for ordering materials until delivery for the project. Within this period, the ball chain will be purchased, manufactured, shipped to the painter, painted, spooled, and then delivered to the Artists. After the Artists receive the material, they will begin cutting and assembly, which will take approximately two to three months.

#### **Budget Status**

The Artists have received their second milestone payments. This project is tracking to the budget.

#### **Schedule Status**

Ball Nogues: Due to delays with the development of the window washing system and the cancellation of the August Cultural Affairs Commission meeting, the Artists anticipate a delayed installation date of July 2013.

Pae White: The Artist will need to complete installation within the North Concourse by late November to meet a mid-December opening.

Mark Bradford: The Artist's project is anticipated to complete on schedule.

#### <u>Issues</u>

Pae White: The CBP cables may need to be re-tensioned after the artwork is installed to maintain CBP's required 4" gap between its cables. The Artist's fabricators/installers are not eligible for bonding, which could impact the installation schedule.



# BRADLEY WEST ELEMENT - Bradley West Core Renovation/East Ramp and Concourse Demo Project (M402A)

#### **Project Description**

This project includes demolition of the existing concourses with the exception of Gate 123, demolition of any existing utilities and restores the site to an appropriate state for Apron construction.

Renovation scope includes the existing TBIT Core enlargement of space used by the FIS and the Customs and Border Patrol (CBP); construction secure/sterile passenger corridors between TBIT and Terminals 4 and re-configuration of the security screening checkpoint.

The Bradley East Aprons project entails construction of approximately 121,000 square yards of pavement and associated drainage from the edge of the new Concourses to the edge of Taxilanes C10/D10. It includes all grading, drainage, utilities, airfield signage and lighting; construction of LADWP power and communication ductbanks; and the LAWA power and communication ductbanks.

#### **Planning and Programming Status**

Project definition is complete.

#### **Design Progress**

Design for Renovation & Core Connection is 100% complete. Design for the Apron reconstruction is 100% complete.

#### **Construction Progress**

The Request for Proposal (RFP) for the construction contract is scheduled to be released by January 2013.

#### **Budget Status**

The project is trending on budget.

#### **Schedule Status**

The project is tracking on schedule.

#### <u>Issues</u>



# **BRADLEY WEST ELEMENT - New Face of CTA - Phase 1 (M403A)**

# **Project Description**

This portion of the new face of the CTA project takes place at both the Departures and Arrivals level of the Tom Bradley International Terminal (TBIT). Scope at the Departures levels is focused on replacement of existing space frame canopies from over the three terminal entryways and from over the north and south escalator complexes. They will be replaced and augmented with new contemporary canopies along the curbside, at the three main entryways and over the escalators. Work at the Arrivals level will reconfigure and improve the exiting vestibules by demolishing existing planters and paving, raising the general site to street level and installing new lighting, planters and landscaping. The landscaping will include new plant material in planters at the Departures level that overlook Arrivals.

# **Planning and Programming Status**

Project definition is complete.

# **Design Progress**

Design is 95% complete.

# **Construction Progress**

Work is ongoing on both the departures and arrivals levels. The entrance canopy steel frames have been erected on the departures level and columns to receive the sidewalk canopy are in place. Demolition in the barricaded area near the South Entrance on the Arrivals level is ongoing.

# **Budget Status**

The project is trending on budget.

# Schedule Status

The project is trending on schedule.

# <u>Issues</u>



# **CUP REPLACEMENT ELEMENT - Central Utility Plant (C001A)**

#### **Project Description**

The project provides a replacement Central Utility Plant (CUP) to supply heating hot-water and chilled water to the Central Terminal Area (CTA); the required chillers, pumps, generators, boilers and piping to produce and distribute the hot and cold water; and gas turbine driven generators with heat recovery steam generators (co-generation). The project also includes:

Utility Distribution System: This project includes interconnection to existing piping as well as providing completely new services to Bradley West and the existing terminals and the replacement or bypassing of some existing piping.

Demolition: Demolition of the existing CUP, cooling towers, an electrical substation and existing maintenance buildings located at the footprint of the new CUP.

Pump Room upgrades: Pump Rooms in each terminal will be renovated with new chilled and hot water system equipment: Pumps, controls, heat exchangers, variable frequency drives, MCCs, and controls replacing existing equipment of original vintage.

Facility Management and Control System (FMCS): FMCS to be located in the control room and related control equipment to be furnished for installation in the mechanical rooms of the terminals.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

CUP Process Design:

Development of system screens (graphics) for Control Room displays continues. The optimization report from Optimum Energy is expected by the end of the year. Programming continues for the CEMS (Continuous Emissions Monitoring System) for the Combustion Turbines and HRSGs. The CEMS permit application to SCAQMD was submitted the week of December 14, 2012. The QA/QC manual is on schedule for submittal in early January 2013.

#### Commissioning and Training:

Biweekly commissioning meetings continue. The initial training and familiarization walkthrough of the West Cooling Tower (WCT) was conducted for the CUP on December 6, 2012. Topics of the most recent meeting were: comments on the WCT cutover, review of performance test requirements for the TES and the "Rules of Engagement" for operation of the WCT with the old CUP following the WCT cutover.



# **CUP REPLACEMENT ELEMENT - Central Utility Plant (C001A) - Continued**

### **Construction Progress**

The electrical chillers were delivered to the CUP during the week of December 17, 2012 and the Heat Recovery Steam Generator (HRSG) components were delivered earlier in the month. The five electric chillers were delivered to the level 1 chiller bay, with the steam operated chillers delivered late December 2012. The HRSG components were delivered to level 3 with installation pending completion of the anchor plate layout and installation.

In the cooling tower, the contractor has completed the tie in to the CTA domestic water system. A shut down was coordinated with impacted parties and the tie-in was completed in December 2012. Chlorination of the water line completed during the last week of December 2012. Corrections regarding the clearance issues between the pump room VFD and the pumps are still on-going as is the correction of the VFD conductor radius. Mechanical work continues in the pump room to complete all of the pump connections and in the actual cooling tower work is underway to complete the basin waterproofing and other miscellaneous items to allow for activation of the tower.

#### **Budget Status**

This project is tracking to budget.

# **Schedule Status**

CMJV and LAWA are in discussion for schedule rebaseline and mitigation measures.

#### <u>Issues</u>

CMJV and LAWA are discussing time impacts and mitigation measures. A change order is prepared to address these impacts and is expected to be executed in January 2013.



# LANDSIDE ELEMENT - Second Level Roadway Expansion Joint and Deck Repairs (L008A)

#### **Project Description**

This project provides for the repair and replacement of aging structural expansion joints on the Second-Level Roadway (SLR) in the Central Terminal Area (CTA). An expansion joint is an assembly designed to safely absorb the heat-induced expansion and contraction of adjoining concrete slabs. Specifically, this project will replace and repair joints and deck frames as recommended in the Caltrans bridge inspection report.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

The 100% design has been submitted and is being reviewed.

#### **Construction Progress**

No construction contract awarded.

# **Budget Status**

This project budget will be impacted by the additional repair work being identified.

# **Schedule Status**

The City Council approved the construction management at risk (CMAR) ordinance for this project on December 5, 2012.

#### <u>Issues</u>

The Design Team has identified additional work associated with the project, including polyester concrete overlay, additional hinge repairs and the night-shift premium. These changes were submitted to the Board in September 2012.



# LANDSIDE ELEMENT - Coastal Dunes Improvement Project (L012A)

# **Project Description**

This project proposes to restore the coastal dunes to a more natural state by removing existing pavement from certain abandoned streets and sidewalks and planting and/or seeding of native coastal plants. This project is a requirement of the 2006 LAX Stipulated Settlement Agreement. Item G of the Agreement calls for a project with a budget not exceeding \$3 million to:

1) Remove as much existing pavement as possible from abandoned streets and sidewalks, and;

2) Plant appropriate native vegetation in that area.

# **Planning and Programming Status**

Project Definition is complete.

# **Design Progress**

The LADBS permit clearances including City Planning are in progress. The Habitat Plan has been finalized and the Coastal Commission Application was submitted on September 26, 2012.

# **Construction Progress**

No construction contract awarded.

# **Budget Status**

This project is tracking on budget; though a prolonged CEQA analysis may impact the project budget.

# **Schedule Status**

This project is trending on schedule.

# <u>Issues</u>

The California Coastal Commission has informed LAWA that they intend to hold the hearing for this project in mid-January 2013.



# LANDSIDE ELEMENT - Manchester Square / Belford Demolition Program (L015A)

#### **Project Description**

This project will demolish several residential properties, both single and multi-family types, located in the Manchester Square and Belford residential neighborhoods. The project scope includes hazardous material survey and abatement, demolition of structures, legal disposal of demolition debris; all regulatory notifications and permits; temporary and permanent fencing and site security; recycling of salvageable materials; dust and noise control; and site grading, irrigation and landscaping.

#### **Planning and Programming Status**

The Project Definition is complete.

#### **Design Progress**

Design is complete.

#### **Construction Progress**

On December 17, 2012, the Board awarded the contract to Asbestos Instant Response, Inc.

#### **Budget Status**

The project is tracking on budget.

#### **Schedule Status**

The project is trending on schedule.

#### <u>Issues</u>



# LANDSIDE ELEMENT - Jenny Lot Site Modifications (L016A)

# **Project Description**

This project entails the construction of a roughly 1,900-space parking lot. Commonly called the Jenny Lot (or, alternatively the "Former Hertz Lot"), this property is bounded on the west by Jenny Street, on the south by Westchester Parkway, on the east by Airport Boulevard, and on the north by the Carl E. Nielsen Youth Park/Interceptor Street/Yorktown Avenue. Improvements include hazardous materials abatement and removal, demolition of existing facilities, grading, striping, signage, and installation of lights, hydrants, fences and gates.

#### **Planning and Programming Status**

The Project Definition is complete.

# **Design Progress**

Design is complete.

# **Construction Progress**

Work in the Phase 1 area (the northern portion) is progressing. Work on the bus helter pads and the curb installation is complete; and the paving and fencing work is underway.

Work in the Phase 2 area (the southern portion) is underway. Fabric and gravel installation in the clarifier basins is complete; and installation of the clarifier system has commenced.

Overall construction is 63% complete.

# **Budget Status**

This project is tracking on budget.

# **Schedule Status**

The projected completion for Phase I is early February 2013.

The projected completion for Phase II is late March 2013.

# <u>Issues</u>



# RESIDENTIAL/SOUNDPROOFING ELEMENT - Noise Mitigation/Soundproofing (City of LA) (S002A)

#### **Project Description**

This project will provide soundproofing of approximately 9,400 eligible dwelling units making them land use compatible.

#### **Planning and Programming Status**

Project planning is complete.

#### **Design Progress**

No additional design is ongoing.

#### **Construction Progress**

Four construction contracts have been awarded and are in different stages of sound mitigating 317 units.

This component of the Noise Mitigation / Soundproofing Program is 92% complete.

#### **Budget Status**

This project is trending to complete on budget.

#### **Schedule Status**

This project is on track to be completed in 2013.

#### <u>Issues</u>



# **RESIDENTIAL/SOUNDPROOFING ELEMENT - VNY Soundproofing (S008A)**

#### **Project Description**

The Van Nuys Soundproofing Program, started in 2000, consists of soundproofing 1,049 dwelling units around VNY airport. Typical improvements include the replacement of windows, doors, fireplace doors, and dampers, installation of attic baffles, insulation and ventilation/HVAC systems. The program is strictly voluntary and free of charge to the homeowners.

This project consists of soundproofing the last units under the above program. Since the inception of the program, 726 units have already been soundproofed, the other 270 units are no longer eligible, have declined, or have not responded to multiple notifications.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

Design is complete.

#### **Construction Progress**

On August 15, 2011 a construction contract was awarded to Karabuild Development, Inc; and the Notice to Proceed was issued on September 29, 2011.

Construction is 100% complete.

# **Budget Status**

This project is tracking on budget.

# **Schedule Status**

The project is trending on schedule.

#### <u>Issues</u>



# **TERMINAL ELEMENT - Elevators and Escalators Replacement (T001A)**

#### **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 staggered Priority Groups.

#### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

Priority II-IV Site Mods - Design is 100% complete. Priority II-IV GC MRL Elevators - Design is 100% complete. Parking Garage elevators replacements design began late July 2012. A five month design duration is anticipated.

#### **Construction Progress**

Priority I Site Mods - The contract has been closed out.

Priority II - Procurement - Fabrication is at 51%. Eleven units in service.
Priority II-IV Site Mods - Fully executed contract received and Notice to Proceed issued on June 20, 2012.
Priority II-IV GC MRL Elevators - Combined with the Priority II-IV Site Mods.
Parking Structure MRL Elevators - Design contract was awarded April 2012. Design phase ongoing.

# **Budget Status**

The two completed contracts have finished within budget. The first WE O'Neil contract is closed out. Kone's last remaining item has been resolved and closeout of the construction contract paperwork is being completed. Kone's 1 year warranty followed by a 3 year maintenance contract has begun.

The remaining contracts are tracking on budget.

#### **Schedule Status**

Priority II-IV Site Mods contract began June 20, 2012; and the first units are returning to service by January 2013.

#### <u>Issues</u>

There are no issues affecting schedule or budget at this time.



# **TERMINAL ELEMENT - Fire Life Safety System Upgrades T1 & T2 (T006A)**

# **Project Description**

This project replaces the existing, outdated, noncompliant Fire Life Safety Systems in Terminals 1 (T1) and 2 (T2) with new systems that will bring T1 and T2 in full compliance with Los Angeles Fire Department (LAFD) requirements and current Fire and Building Codes, including the Americans with Disabilities Act's (ADA) visible fire alarm notification requirements. The work includes the upgrades of all fire alarms systems, strobes, annunciation panels, conduit and wiring. Complete tests will be performed at installation milestones to assure that the new system meets all current requirements. Completing this work will eliminate costly fire watch conditions and provide effective warning signals for passengers and users of the terminals in case of fire and other emergencies.

#### **Planning and Programming Status**

Project Definition is Complete.

# **Design Progress**

The initial design documents are complete.

Design was completed and permits were obtained from Los Angeles Fire Department in February 2012.

# **Construction Progress**

The contract award was approved by the Board in August 2011; an Administrative Notice-to-Proceed was issued in October 2011 and Construction NTP issued November 23, 2011.

Construction work at Terminal 1 is 99%. Terminal 2 is nearing 65% complete and the 7 week survey activities are nearing completion.

# **Budget Status**

The project is tracking on budget.

# **Schedule Status**

The recovery schedule has been approved that revises the forecast project completion date to March 2013.

# <u>Issues</u>

The change order to complete a survey of the existing fire alarm system in Terminal 2 was issued; and the work is underway.



# **TERMINAL ELEMENT - Terminal 3 Backfill Project (T015A)**

#### **Project Description**

This project seeks to enliven the passenger experience within Terminal 3 and includes improvements in both the Ticket Lobby and Satellite Areas. Ticket Lobby improvements include: new terrazzo flooring; ceiling and lighting treatments; wall finishes; and ticket counter replacement. The Satellite improvements primarily consist of new gate counters and information technology improvements.

#### **Planning and Programming Status**

The Project Definition phase is complete.

#### **Design Progress**

The design is complete.

#### **Construction Progress**

Phase 2B-2 departure level, Jet Blue ticket counter and kiosk relocation, emergency escape stairs at Gate 30, and 4 of 6 ADA restrooms at concourse level were completed in December 2012. Overall construction is 90% complete.

#### **Budget Status**

Planning and shutdown related costs were allocated to this project, creating a temporary negative budget variance.

#### **Schedule Status**

Installation of two ADA restrooms, ACAMS door at Gate 30 and fire separation doors for departure and arrival completion is planned for mid-January 2013.

#### <u>Issues</u>

Installation of the fire separation doors was delayed due to ceiling utilities. The mitigation involves revising the door installation process. This did not impact the gate or ticket counter openings but impacted the schedule by a month.



# **TERMINAL ELEMENT - ADA Accessibility Improvements (T016A)**

# **Project Description**

Los Angeles International Airport (LAX), during its continuous periods of remodeling, has always strived to maintain an accessible facility with all new work. Ongoing changes to the airport Central Terminal Area (CTA), which include all nine terminal buildings, eight parking structures, administrative building, Central Utility Plant, Control Tower, the Theme Building, surface parking lots and all the interconnected roadways and sidewalks, have attempted to keep up with the accessibility requirements needed for total access. Due to the complexities of the projects and the changing requirements found in later additions of the access codes, it was found that some CTA elements could be improved. This project implements those improvements.

# **Planning and Programming Status**

The Project Definition phase is complete.

# **Design Progress**

Phase 1A - Design is 100% complete. Phase 1B/1C - The design is underway and anticipated to be complete in January 2013.

# **Construction Progress**

Phase 1A - Construction is 90% complete. Phase 1B/C - The construction procurement strategy is being finalized.

# **Budget Status**

A proposal to perform the demolition and construction of half a ramp at a time has been approved. This option is preferable, since it keeps part of the ramp open throughout the construction process. However, there is a cost impact which is being requested.

The proposal for half a ramp is being determined for the remaining work.

# **Schedule Status**

The project is tracking on schedule.

# <u>Issues</u>

See Budget Status.


## **TERMINAL ELEMENT - Concessions Enabling Project (T017A)**

### **Project Description**

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.

#### **Planning and Programming Status**

The Project Definition phase is complete.

#### **Design Progress**

Design is 99% complete.

#### **Construction Progress**

The 2-hour fire rated wall and the 90-minute fire rated door at Terminal 7 is complete. Other exit signs and door hardware installation is ongoing. The remaining work is estimated to be completed by August 2013.

#### **Budget Status**

The project is tracking on budget.

#### **Schedule Status**

The project is trending on schedule, though additional scope in Terminal 5 is being considered which may impact schedule duration.

#### <u>Issues</u>

See Schedule Status above.



## **TERMINAL ELEMENT - T-2 400-Hz Power System Upgrade (T018A)**

### **Project Description**

This project consists of replacing the existing 400-Hz power system at Terminal 2 with a new system that provides 180kVa (wide-body capacity) at 8 aircraft gates; and maintains 90kVa (narrow-body capacity) at 2 aircraft gates. This will eliminate the need for aircrafts to idle their engines on the apron.

#### **Planning and Programming Status**

The Project Definition phase is complete.

### **Design Progress**

The Architectural/Engineering designers have conducted preliminary data collection and are currently finalizing a cost proposal to complete the Design Build procurement contract.

#### **Construction Progress**

The interview process for the Construction Manager at Risk (CMAR) contract concluded in mid-November 2012. The contract award was approved by the Board on December 17, 2012.

### **Budget Status**

The project is tracking on budget.

#### **Schedule Status**

The project is trending on schedule.

#### <u>Issues</u>



## **TERMINAL ELEMENT - T-2 EDS Behind the Wall Project (T019A)**

### **Project Description**

This project consists of removing the six (6) CTX (EDS) machines that are currently located in the T-2 ticketing lobby and replacing them with six (6) 5500 CTX machines in a newly constructed Checked Baggage Resolution Area (CBRA) Room to be located on the Apron. The project also includes repairs to the flooring after moving the machines from the lobby, modifications to the baggage conveyor system, project specific electrical modifications and a complete upgrade to the existing Computer Control System.

#### **Planning and Programming Status**

The Project Definition phase is complete.

### **Design Progress**

The Architectural/Engineering designers have conducted preliminary data collection and are currently finalizing a cost proposal to complete the Design Build procurement contract.

#### **Construction Progress**

The interview process for the Construction Manager at Risk (CMAR) contract concluded in mid-November 2012. The contract award was approved by the Board on December 17, 2012.

### **Budget Status**

The project is trending on budget.

#### **Schedule Status**

The project is tracking to schedule.

#### <u>Issues</u>



## **TERMINAL ELEMENT - Terminal 7 Restroom Enhancements (T022A)**

#### **Project Description**

The restroom enhancement project involves renovating all the existing finishes in the restrooms (floors, walls, ceilings) and the replacement of all the existing fixtures (toilet, sinks and urinals). New doors, lighting, mirrors, toilet partitions, paper towel dispensers and soap dispensers will also be installed. There will be new HVAC distribution back to the nearest main trunk line, new electrical distribution and new plumbing within the restroom, among other associated work.

#### **Planning and Programming Status**

The Project Definition phase is complete.

#### **Design Progress**

The design is being coordinated with United Airlines.

#### **Construction Progress**

No construction contract is awarded.

#### **Budget Status**

The project is tracking on budget.

#### **Schedule Status**

The project is trending on schedule.

#### <u>Issues</u>



## **TERMINAL ELEMENT - Terminal 2 Electrical Upgrade (T023A)**

### **Project Description**

This project upgrades the electrical power distribution in Terminal 2, which was originally installed in the 1980's. The upgrade involves work in approximately 57 electrical and other rooms or areas in Terminal 2 where electrical distribution panels are located.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

A design proposal for this scope of work is being prepared.

#### **Construction Progress**

No construction contract is awarded.

### **Budget Status**

The project is tracking on budget.

### **Schedule Status**

The project is trending on schedule.

#### <u>Issues</u>



## WORK IN PROGRESS OVERVIEW

### **User's Guide - Work in Progress**

This section lists the projects that are in various stages of pre-development. Typically, these projects represent efforts for which LAWA has committed funding for the design; not the construction. A project in this category will experience variability as the design is refined, until it is deemed operationally and economically viable and moved into an execution element.



## WORK IN PROGRESS - West Maintenance Area (A017A)

### **Project Description**

This project entails the construction of approximately 200,000-sq. yards (41 acres of aircraft apron) that will tie into the west side of Taxiway AA south of World Way West Road and Taxiway B and 100,000-sq. yards (21 acres) of area rough grading for proposed hangar and parking improvements, that may be developed by a third-party. Associated ancillary improvements include: demolition of existing facilities, ground run-up enclosure, edge lighting, signage, flood lighting, wash rack and recycling system, Remain-Overnight Parking (RON) kits (ground power, potable water, pre-conditioned air), vehicle charging stations, storm drainage, etc.

### <u>Issues</u>

The project definition phase is nearing completion.



# WORK IN PROGRESS - ONT Runway 8L RSA Improvement (A019A)

### **Project Description**

The project will provide a FAA standard Runway Safety Area (RSA). The improvements consist of: Regrading portions of the runway, relocating portions of the service roads, culvert work in the West Cucamonga Channel and re-alignment of perimeter fencing in the impacted areas.

#### <u>Issues</u>

The project definition phase is complete.



# WORK IN PROGRESS - Bradley West Outbound Baggage Handling System (M404A)

### **Project Description**

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.

#### <u>Issues</u>

The project definition phase is underway. The focus is developing a simulation of the current system to help identify problems and provide possible solutions; and to review the current TBIT in-line mechanical layout against the latest TSA requirements.



## WORK IN PROGRESS - Terminal 4 Connector (T011A)

### **Project Description**

The project consists of the design and construction of a CAL Green 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.

#### <u>Issues</u>

The procurement process is on schedule as Technical Proposals from eight Design Build Teams have been received and reviewed by the Evaluation Panel. Interviews have been conducted and subsequent pricing proposals from the top two firms are anticipated by early January 2013. A recommendation of award to the Board is planned for early February 2013.



## WORK IN PROGRESS - New Face of the CTA - Phase 2 (T012A)

### **Project Description**

This project implements various improvements that will dramatically enhance the passenger experience. The improvements adeptly capture the vibrant spirit of LAX by creating an inspiring and dynamic pedestrian and vehicular experience. The improvements are focused upon the upper level roadway within the CTA and include custom designed light poles and light bands along the outer edge of the upper level roadway.

#### <u>Issues</u>

The Project Definition phase is underway.



## WORK IN PROGRESS - Terminal MPOE and IT Room Expansion (T014A)

### **Project Description**

This project implements twenty-five (25) Terminal Minimum Point of Entry (MPOE) and IT Rooms within the existing terminals. 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.

#### <u>Issues</u>

The Project Definition phase is complete.



## WORK IN PROGRESS - Terminal 2 Restroom Enhancements (T020A)

### **Project Description**

The restroom enhancement project involves renovating all the existing finishes in the restrooms (floors, walls, ceilings) and the replacement of all the existing fixtures (toilet, sinks and urinals). New doors, lighting, mirrors, toilet partitions, paper towel dispensers and soap dispensers will also be installed. There will be new HVAC distribution back to the nearest main trunk line, new electrical distribution and new plumbing within the restroom, among other associated work.

#### <u>Issues</u>

The Project Definition phase is complete.



# WORK IN PROGRESS - Terminal 2 Domestic Bag Claim and Ticketing Area Refresh (T021A)

### **Project Description**

The Bag Claim and Ticketing refresh project includes repainting and replacing finishes on the ticketing level and bag claim level to extend the life of the interior spaces by five to seven years. On the Ticketing level there will be new ceilings and lighting systems, new carpeting installed over the tile, new base and painting of walls, new wall finish on the wall behind the ticket counters and new monitors for common use signage. The improvements on the bag claim level include new paint and base, refinishing the bag drops at the carousels, new ceilings, a new wall at the exit from customs, new information desks, and re-arrangement of the concessions at the international arrivals area.

#### <u>Issues</u>

The Project Definition phase is underway.



## WORK IN PROGRESS - Midfield Satellite Concourse (North Gates) (T026A)

### **Project Description**

The new Midfield Satellite Concourse west of the Tom Bradley International Terminal (TBIT) is expected to provide aircraft gates for Group VI aircraft such as the A380 and the Boeing 747-8. This facility is intended to serve international flights, replacing the remote bus gates on the west side of theAirport. TBIT will continue to provide passenger processing for departing passengers (ticketing, security screening, baggage screening) and FIS processing, baggage claim and meter-greeter lobby for arriving passengers.

#### <u>Issues</u>

The Project Definition Phase is underway.



# WORK IN PROGRESS - Electrical, Communications and Water Utility Ext. - 5th Feeder Project (U020A)

### **Project Description**

This project will implement a ductbank from the new Central Utility Plant(CUP) to Sepulveda to provide enhanced power capacity to the CUP and the new Bradley West. In addition, this project may implement other opportunistic improvements, such as: two additional ductbanks from the new CUP to the vicinity of Park One; a reclaimed water line to Sepulveda; the extension of a 24-inch fire waterline to Sepulveda; the extension of a 16-inch domestic water line to Sepulveda; and the extension of 4x4 communications ductbank from Theme Building, new hot and chilled water lines east of the CUP, among other work.

#### <u>Issues</u>

The Project Definition phase is complete.



## **PROGRAM MASTER SCHEDULE OVERVIEW**

### **User's Guide - Schedule**

The information provided herein is designed to furnish users of the Airport Development Group (ADG) Program Construction Schedule Report with greater knowledge and a better understanding of the composition of the various components of the schedule report.

Data Date - Is a vertical line showing the current date of the report. Dates to the left side of the data date are known. Dates to the right side of the data date are projected.

Project Schedule Bar - Is the blue bar which represents the construction phase for each project; with the exception of the Residential / Soundproofing projects which contains planning, design and construction phases.

Project Number - Is a unique identifier for each project that enables the reader to easily correlate scope, schedule and budget.



















		Angeles 1 Airpo 1500/11.005		RE	SID	ENT	IAL	/ \$0	DUN	DPF	100	FIN	GE	LEM	ENT	- PI	ROG	RA/	N SC	CHE	DUL	E		De	c. 20	12 U	PDAT	E
200	08		20	09			20	010			20	)11			20	12			20	)13			20	)14			20	)15
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87
_								_				-					_	-										
_								SO		igatio		undpro	ofina	City	of LA													
										gatio	17 30	unupro	Johng	City														
																		-										
													DATA	DATE			5											
																~												
_					_			_	_		_	_			_		_			_	_			_				_







## **BUDGET OVERVIEW**

#### **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.

Note that the Closed Projects are now reported within the individual Elements.

Baseline Budget - Is the estimated cost of the project as it was first reported in an Element.

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).

Percent (%) Incurred - Calculated as Incurred to Date divided by Estimate at Completion, this column provides a financial-oriented progress indicator.

Percent (%) Contingency Used: Calculated as the change in Contingency divided by Original Contingency, this column provides an indicator for project contingency-usage.



## **PROGRAM COST SUMMARY REPORT**

### as of 12/31/2012

			(dollars in thousa	ands)				
Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
Capital Budget 1								•
Airside Element	506,810	503,110	377,831	351,801	489,269	13,841	72%	75%
Bradley West Element	2,040,915	1,920,365	1,494,231	1,185,362	1,867,494	52,871	63%	26%
CUP Replacement Element	423,835	423,835	351,233	221,378	409,586	14,248	54%	22%
Utilities & Infrastructure Element	8,175	13,994	13,994	13,641	13,994	0	97%	100%
Residential/Soundproofing Element	180,000	160,000	156,225	146,816	160,000	0	92%	0%
Terminal Element	270,000	240,035	192,271	78,574	203,926	36,109	39%	9%
	3,429,735	3,261,338	2,585,785	1,997,571	3,144,270	117,069	64%	33%
Capital Budget 2								
Airside Element	163,397	160,493	41,409	20,259	148,357	12,135	14%	7%
Landside Element	31,114	31,114	8,904	2,228	29,773	1,341	7%	0%
Residential/Soundproofing Element	1,317	1,317	1,030	908	1,214	103	75%	0%
Terminal Element	77,681	77,322	10,755	5,343	64,677	12,645	8%	0%
	273,509	270,246	62,098	28,738	244,022	26,226	12%	4%
Subtotal	3,703,244	3,531,583	2,647,883	2,026,311	3,388,290	143,295	N/A	N/A
Unallocated Contingency	N/A	174,024	0	0	N/A	N/A	N/A	N/A
Capital Budget 2				· ·				
Work in Progress	N/A	0	14,347	11,026	N/A	N/A	N/A	N/A
	N/A	0	14,347	11,026	N/A	N/A	N/A	N/A
Program Total	N/A	3,705,607	2,662,230	2,037,337	N/A	N/A	N/A	N/A



### AIRSIDE ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	sands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	AIRSIDE			•					
	Capital Budget 1								
M204A	Taxilane 'S'	174,980	162,041	159,136	146,033	161,783	259	90%	85%
M306A	Taxilane 'T'	96,500	156,284	34,897	26,128	143,338	12,946	18%	18%
M209A	Construction Support Facilities	14,790	9,475	8,497	7,584	8,839	636	86%	57%
Closed	M000A - Associated Projects	1,340	1,607	1,605	1,476	1,607	0	92%	97%
Closed	M101A - Crossfield Taxiway Project	177,760	137,245	137,245	134,239	137,245	0	98%	100%
Closed	M107A - LAX Aircraft Rescue and Fire Fighting Facility	14,190	14,216	14,216	14,119	14,216	0	99%	100%
Closed	M309A - American Airlines Settlement	27,250	22,241	22,241	22,224	22,241	0	100%	100%
	Capital Budget 1 Total	506,810	503,110	377,831	351,801	489,269	13,841	72%	75%
	Capital Budget 2								
A014A	Runway Safety Area Improvements Project - South Side	43,237	43,237	3,514	2,901	41,159	2,078	7%	0%
A018A	Taxilane D-10 Reconstruction	9,062	9,062	8,015	6,329	7,548	1,514	84%	22%
A012A	Runway 25R & Taxiway B East End Rehabilitation & Taxiway C Extension	73,206	73,206	26	26	67,802	5,404	0%	0%
A010B	Pavement Management Program - VNY Taxilane A2 Rehabilitation - Phase 2	2,933	2,933	2,505	2,241	2,485	449	90%	18%
L014A	AOA Perimeter Fence - Phase 4	6,506	6,506	5,773	2,702	5,924	582	46%	3%
A016A	VNY Runway 16R Rehabilitation	20,483	20,483	16,513	994	18,374	2,109	5%	0%
Closed	A010A - Pavement Management Program - VNY Taxilane A2 Rehabilitation and RSA Improvements	7,970	5,065	5,065	5,065	5,065	0	100%	100%



### AIRSIDE ELEMENT BUDGET REPORT as of 12/31/2012

	(dollars in thousands)												
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used				
	Capital Budget 2 Total	163,397	160,493	41,409	20,259	148,357	12,135	14%	7%				
	Airside Total	670,207	663,603	419,240	372,060	637,627	25,976						



## BRADLEY WEST ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	BRADLEY WEST							•	
	Capital Budget 1								
M201A	Bradley West Gates	906,474	850,899	763,421	666,434	841,045	9,854	79%	40%
M203A	Bradley West Core Improvements	808,364	736,089	665,716	484,210	730,481	5,608	66%	12%
M203C	Bradley West Traffic Mitigations -World Way South/Center Way	735	735	6	6	682	53	1%	0%
M308A	Art In Public Places	5,360	5,360	5,360	3,036	5,360	0	57%	0%
M402A	Bradley West Core Renovation/East Ramp and Concourse Demo Project	273,170	268,870	22,828	20,933	241,425	27,445	9%	0%
M403A	New Face of CTA - Phase 1	43,270	56,261	34,751	8,644	46,350	9,911	19%	0%
Closed	M203B - Construction Traffic Mitigations	3,542	2,151	2,151	2,099	2,151	0	98%	100%
	Capital Budget 1 Total	2,040,915	1,920,365	1,494,231	1,185,362	1,867,494	52,871	63%	26%
	Bradley West Total	2,040,915	1,920,365	1,494,231	1,185,362	1,867,494	52,871		



## CUP REPLACEMENT ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	CUP REPLACEMENT								
	Capital Budget 1								
C001A	Central Utility Plant	423,835	423,835	351,233	221,378	409,586	14,248	54%	22%
	Capital Budget 1 Total	423,835	423,835	351,233	221,378	409,586	14,248	54%	22%
	CUP Replacement Total	423,835	423,835	351,233	221,378	409,586	14,248		



## UTILITIES & INFRASTRUCTURE ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	UTILITIES & INFRASTRUCTURE								
	Capital Budget 1								
U009A	Airport Response Coordination Center (ARCC)	8,175	13,994	13,994	13,641	13,994	0	97%	100%
	Capital Budget 1 Total	8,175	13,994	13,994	13,641	13,994	0	97%	100%
	Utilities & Infrastructure Total	8,175	13,994	13,994	13,641	13,994	0		



### LANDSIDE ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	LANDSIDE								
	Capital Budget 2								
L008A	Second Level Roadway Expansion Joint and Deck Repairs	18,900	18,900	1,992	1,187	18,500	400	6%	0%
L012A	Coastal Dunes Improvement Project	3,000	3,000	549	365	2,949	51	12%	0%
L015A	Manchester Square / Belford Demolition Program	1,981	1,981	119	70	1,163	818	6%	0%
L016A	Jenny Lot Site Modifications	7,233	7,233	6,243	606	7,161	72	8%	0%
	Capital Budget 2 Total	31,114	31,114	8,904	2,228	29,773	1,341	7%	0%
	Landside Total	31,114	31,114	8,904	2,228	29,773	1,341		



## RESIDENTIAL/SOUNDPROOFING ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	RESIDENTIAL/SOUNDPROOFIN								
	Capital Budget 1								
S002A	Noise Mitigation/Soundproofing (City of LA)	180,000	160,000	156,225	146,816	160,000	0	92%	0%
	Capital Budget 1 Total	180,000	160,000	156,225	146,816	160,000	0	92%	0%
	Capital Budget 2								
S008A	VNY Soundproofing	1,317	1,317	1,030	908	1,214	103	75%	0%
	Capital Budget 2 Total	1,317	1,317	1,030	908	1,214	103	75%	0%
	Residential/Soundproofing Total	181,317	161,317	157,255	147,724	161,214	103		



### TERMINAL ELEMENT BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	TERMINAL								
	Capital Budget 1								
T001A	Elevators and Escalators Replacement	270,000	240,035	192,271	78,574	203,926	36,109	39%	9%
	Capital Budget 1 Total	270,000	240,035	192,271	78,574	203,926	36,109	39%	9%
	Capital Budget 2								
T006A	Fire Life Safety System Upgrades T1 & T2	5,300	4,256	3,096	2,025	3,335	921	61%	0%
T015A	Terminal 3 Backfill Project	5,846	6,531	6,366	2,491	6,724	(193)	37%	0%
T016A	ADA Accessibility Improvements	2,000	2,000	562	295	1,788	212	16%	0%
T017A	Concessions Enabling Project	3,445	3,445	495	436	1,216	2,229	36%	0%
T018A	Terminal 2 400-Hz Power System Upgrade	1,676	1,676	100	44	1,556	120	3%	0%
T019A	Terminal 2 EDS Behind the Wall Project	14,246	14,246	136	52	12,003	2,244	0%	0%
T022A	Terminal 7 Restroom Enhancements	6,159	6,159	0	0	5,189	970	0%	0%
T023A	Terminal 2 Electrical Upgrade	39,009	39,009	0	0	32,866	6,143	0%	0%
	Capital Budget 2 Total	77,681	77,322	10,755	5,343	64,677	12,645	8%	0%
	Terminal Total	347,681	317,356	203,026	83,917	268,603	48,753		



## WORK IN PROGRESS BUDGET REPORT as of 12/31/2012

				(dollars in thous	ands)				
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
	WORK IN PROGRESS	-		-					
	Capital Budget 2								
A017A	West Maintenance Area	N/A	0	8,383	7,476	N/A	N/A	N/A	N/A
A019A	ONT Runway 8L RSA Improvement	N/A	0	0	0	N/A	N/A	N/A	N/A
M404A	Bradley West Outbound Baggage Handling System	N/A	0	3,095	1,017	N/A	N/A	N/A	N/A
T011A	Terminal 4 Connector	N/A	0	663	416	N/A	N/A	N/A	N/A
T012A	New Face of the CTA - Phase 2	N/A	0	2,118	2,117	N/A	N/A	N/A	N/A
T014A	Terminal MPOE and IT Room Expansion	N/A	0	0	0	N/A	N/A	N/A	N/A
T020A	Terminal 2 Restroom Enhancements	N/A	0	0	0	N/A	N/A	N/A	N/A
T021A	Terminal 2 Domestic Bag Claim and Ticketing Area Refresh	N/A	0	0	0	N/A	N/A	N/A	N/A
T026A	Midfield Satellite Concourse (North Gates)	N/A	0	28	0	N/A	N/A	N/A	N/A
U020A	Electrical, Communications and Water Utility Ext 5th Feeder Project	N/A	0	61	0	N/A	N/A	N/A	N/A
	Capital Budget 2 Total	N/A	0	14,347	11,026	N/A	N/A	N/A	N/A
	Work in Progress Total	N/A	0	14,347	11,026	N/A	N/A		



## **PROGRAM CASH FLOW OVERVIEW**

### **User's Guide - Cash Flow**

The information provided herein is designed to furnish users of the Airport Development Group (ADG) Cash Flow Reports with greater knowledge and a better understanding of the cash flow report.

Monthly Plan - Is the estimated cost of the work anticipated for a given month.

Monthly Incurred - Is the cost of the work actually completed and invoiced for a given month.

Cumulative Plan - Represents the summation of the Monthly Plan amounts, to a given point in time, and provides the user with an overall forecast.

Cumulative Incurred - Represents the summation of the Monthly Incurred amounts, to a given point in time, and provides the user with the total amount invoiced.



## PROGRAM CASH FLOW as of 12/31/2012



Notes: 1. Unallocated Contingency is not included. 2. Escalation is not included.


# AIRSIDE ELEMENT CASH FLOW

as of 12/31/2012





## **BRADLEY WEST ELEMENT CASH FLOW**

as of 12/31/2012





# CUP REPLACEMENT CASH FLOW

as of 12/31/2012





# LANDSIDE ELEMENT CASH FLOW

as of 12/31/2012





# **RESIDENTIAL/SOUNDPROOFING ELEMENT CASH FLOW**

as of 12/31/2012





## **TERMINALS ELEMENT CASH FLOW**

as of 12/31/2012





### **CHANGE ORDER OVERVIEW**

### User's Guide - Change Order

The information provided herein is designed to furnish users of the Airport Development Group (ADG) Change Order Reports with greater knowledge and a better understanding of the composition of the various components of the change order report.

Change Orders - Process by which an adjustment is made to the total contract capacity.

CGMP Revision - Process by which the value of a CGMP is adjusted within the original total contract capacity. This process is employed by the Bradley West Element - Gates and Core projects in the administration of the Construction Management at Risk (CMAR) contracts.



### CHANGE ORDERS as of 12/31/2012

ement						as of 12/31/2		
Project Cor	ntract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes		
Airside Element	t							
M204A - TAXILA	ANE 'S'							
DA-4	4398	0069	\$113,336			Fire and Water Line Changes Along World Way West		
DA-4	4398	0070	\$130,130			LSG Sky Chef Water Lines, Time Extension Associated with CD 119 and CD 140, Package 2 Sawing and Sealing Extended Hours		
M306B - DEMO	LITION OF	LOW BAY HANGA	R AND SKY CHEF BU	ILDING & DELUGE SY	STEM MODIFICATION	IS		
DA-4	4690	0008	\$123,655			16" Fire Water Bypass Line		



### CHANGE ORDERS - Continued as of 12/31/2012

Brainat	I	1			as of 12/31
Project Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
Bradley West Element					
DA-4337 - BRADLEY WES	T GATES (DA-4337)	•			
DA-4337/CGMP01	0038	\$2,488			BWG Gate 134 Seat Installation Logistics
DA-4337/CGMP01	0039	\$58,837			BWG - Flaggers at Lateral Access Roads
DA-4337/CGMP02	0349	\$8,322			BWG - ELN-1 Header Support Offset Connection and Equipment Bearing
DA-4337/CGMP02	0350	(\$4,240)			BWG - Credit for Slab Edges at Mechanical Shafts at Gates 133 and 153 on
DA-4337/CGMP02	0351	\$22,879			BWG - Elevator Shaft Wall Location - Edge of Deck (Steel)
DA-4337/CGMP02	0352	(\$14,269)			CCP2 - IWBT Apron Lighting
DA-4337/CGMP02	0353	\$62,823			BWG - Acceleration and Third Crew for North and South Concourses
DA-4337/CGMP02	0354	\$13,175			BWG - CCP - Jet Fuel Lines Differing Field Conditions and Associated Change
DA-4337/CGMP03	0091	(\$5,909)			BWG - CCP Delete Bollards on the North East Area of the Connector Building
DA-4337/CGMP03	0092	\$3,400			BWG- Correcting of Void around PBB Base Plates at Gate 134 and Other Gat
DA-4337/CGMP03	0093	\$4,025			BWG- CCP2 Gas Line Reroute - North Tug Pass /West Side
DA-4337/CGMP03	0094	\$4,425			BWG - CCP - South Fuel Control Room Added Unistrut due to Beam
DA-4337/CGMP04	0172	\$4,847			BWG - DPH Booster Pump Pads for North Concourse
DA-4337/CGMP04	0173	\$46,164			BWG - Elevator Shaft Wall Location - Edge of Deck (Concrete)
DA-4337/CGMP05	0005	\$36,872			Increased Width of Areaway N9
DA-4337/CGMP05	0133	\$7,712			BWG - Added Stiffener Plate to Deluge IR Detector Supports for Adequate
DA-4337/CGMP05	0134	\$50,474			BWG - Pier 130 MAU Filter Rack Access Platform (Miscellaneous Metals)
DA-4337/CGMP05	0135	\$9,882			Gates Lintel Angle - Rebar Interference with Wedge Anchors at Gridlines S16.
DA-4337/CGMP05	0136		\$196,790		BWG - Elevator Shaft Wall Location - Edge of Deck (Miscellaneous Metals)
DA-4337/CGMP05	0137	\$31,712			BWG - Miscellaneous HSS Steel at Concourses and Bus Connector
DA-4337/CGMP05	0138	\$13,926			BWG- Pier Stair ST3 Level 4 Embed Conflicts
DA-4337/CGMP06	0069	\$16,561			Gates Hole Cut-Outs for Plumbing Pipe and Electrical J-Boxes at Pier Skirts
DA-4337/CGMP06	0072	\$21,241			BWG - Gates Extended Rigid Rail System at Piers 155 and 157
DA-4337/CGMP06	0073	\$4,242			Gates Bus Gate Connector Roof Overflow
DA-4337/CGMP07	0142	\$8,481			Gates Bus Gate Connector Roof Overflow - (Plumbing)
DA-4337/CGMP07	0143	\$32,399			BWG - Elevator Shaft Wall Location - Edge of Deck (Fire Protection)
DA-4337/CGMP07	0144	\$3,197			Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 - (Fire Protection)
DA-4337/CGMP07	0145	\$5,483			BWG - Change in Domestic Hot Water Supply for the Mop Sink at Levels 03
DA-4337/CGMP08	0235	\$39,619			BWG - VOIP Telephone Licensing



#### **Bradley West Element**

DA-4382/CGMP04

DA-4382/CGMP04

DA-4382/CGMP04

DA-4382/CGMP04

DA-4382/CGMP05

•				
A-4337 - BRADLEY WEST	GATES (DA-433	37)		
DA-4337/CGMP08	0236	\$13,940		BWG - LAFD Added Exit Signs In North Electrical Vault
DA-4337/CGMP08	0237	\$11,833		BWG - SSI - CCTV Camera 23N406 Routing Change and Added Power
DA-4337/CGMP08	0238	\$9,002		BWG - 3N2EHF Feed And Breaker Size
DA-4337/CGMP08	0239	\$2,120		BWG - Gate 134 Installation of Owner Provided Wi-Fi Access Points
DA-4337/CGMP08	0240	\$3,096		BWG - Pier 130 MAU Filter Rack Access Platform (Electrical)
DA-4337/CGMP08	0241	\$506		SSI - BWG - ACAMS Tools and Spare Keys Required for O&M at Gate 134
DA-4337/CGMP08	0242	\$24,169		Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 - (Electrical)
DA-4337/CGMP09	0088	\$59,894		BWG - Elevator Shaft Wall Location - Edge of Deck (Fire Proofing)
DA-4337/CGMP09	0089	\$3,938		BWG - Miscellaneous HSS Steel at Concourses and Bus Connector
DA-4337/CGMP10	0143	\$3,180		BWG - RFI 6693 - Rated Ceiling at Level 4 West Pier Door Ways
DA-4337/CGMP10	0144	\$10,148		BWG - Pier 130 MAU Filter Rack Access Platform (Interior Framing and
DA-4337/CGMP10	0145	\$2,365		BWG - Elevator Shaft Wall Location - Edge of Deck (Interior Framing and
DA-4337/CGMP10	0146	\$13,564		Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 (Interior Framing
DA-4337/CGMP10	0147	\$2,161		BWG Change in Domestic Hot Water Supply for the Mop Sink at Levels 03 and
DA-4337/CGMP10	0148	(\$111,910)		BWG - Interior Soffit Attachment to Roof Deck at Crescent Clerestories (Interi
DA-4337/CGMP11	0026	\$25,528		Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 - (Doors Frames
DA-4337/CGMP12	0074	\$25,005		BWG - Pendant Light Supports Under Sterile Corridor
DA-4337/CGMP13	0068	\$6,338		BWG - Terrazzo Mock-up Sealer Removal
DA-4337/CGMP13	0069	\$6,678		BWG - Terrazzo Sealer Comparison Mock-up at the Bus Gates Connector
DA-4337/CGMP13	0070	\$2,052		BWG - Added Stiffener Plate to Deluge IR Detector Supports for Adequate
DA-4337/CGMP13	0071	\$4,645		BWG - Pier 130 MAU Filter Rack Access Platform (Painting)
DA-4337/CGMP13	0072	\$2,938		Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 - (Painting)
DA-4337/CGMP13	0073	\$322		BWG - RFI-7502 - 3rd Floor Restrooms Added Soap Dispensers
DA-4337/CGMP15	0005	\$968		Gates Add Vestibule in Exit Stairs Gates 152, 154, and 156 - (Signage and
DA-4337/CGMP15	0006	\$753		BWG - Additional Temporary Signage at B9
A-4382 - BRADLEY WEST	CORE (DA-4382	2)		
DA-4382/CGMP01	0084		\$246,678	BWC - WAJV Use of Centra Freight Property
DA-4382/CGMP01	0085	\$2,643		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake (Demolition)
		<b>•</b> •••••		



#### Bradley West Element

DA-4382/CGMP05	0049	¢0.007		BWC - Poot Stair CZSTOR Povisions (DVC Pooting)
	0048	\$9,287		BWC - Roof Stair C7ST06 Revisions (PVC Roofing)
DA-4382/CGMP05	0049	\$81,163		Core Fall Restraint Level 7 - (PVC Roofing)
DA-4382/CGMP05	0050	\$12,377		BWC - Add Exit Capacity on Level 6 (PVC Roofing)
DA-4382/CGMP05	0051	\$3,265		BWC - Gate 148 Parapet Saddle Caps
DA-4382/CGMP05	0052	\$4,578		BWC - Formed Aluminum Bulkhead Framing at Gridline X19 (Metal Roofing
DA-4382/CGMP05	0053	\$4,786		BWC - Deck Flute Insulation at North Crescent Clerestories (Metal Roofing
DA-4382/CGMP06	0307	\$3,340		BWC - Missing West Elevator Core Concrete Wall
DA-4382/CGMP06	0308	\$7,828		BWC - Revised Outside Air Intake Structure to Accommodate Window Was
DA-4382/CGMP06	0309	\$2,695		BWC - Elevation Differential Landing and Stair Revisions near R1/57.4
DA-4382/CGMP06	0310	\$7,614		BWC - Roof Stair C7ST06 Revisions (Steel)
DA-4382/CGMP06	0311	\$1,942		BWC - Bent Plate/Existing TBIT Curb Conflict on Level 3 at Gridline
DA-4382/CGMP06	0312	\$8,023		BWC - Plating of Beams at Gridlines X1/Y4 on Level 7
DA-4382/CGMP06	0313		\$315,395	BWC - Time Tower Elevator Structure
DA-4382/CGMP06	0314	\$25,952		BWC - Add Exit Capacity on Level 6 (Concrete)
DA-4382/CGMP06	0315	\$734		BWC - Concrete Reinforcement Changes to Detail 23/S3011 (Concrete)
DA-4382/CGMP06	0316		\$204,561	BWC- Structural Changes Associated With Deletion of Exterior T4
DA-4382/CGMP06	0317	\$9,772		BWC - Level 3 Ramp Landing Size Revision (Concrete)
DA-4382/CGMP06	0318	(\$6,787)		BWC - Elimination of 1/4" Bent Plate and D2L's at Deck Edge and Provide
DA-4382/CGMP06	0319	(\$3,093)		BWC - Missing Roof Deck Support at Level 5
DA-4382/CGMP06	0320	\$10,595		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake
DA-4382/CGMP06	0321	\$0		BWC - Elevation Differential Revised Ramp and Landing Near R1/40.2
DA-4382/CGMP07	0058	(\$1,689)		BWC - Revised Outside Air Intake Structure to Accommodate Window Wa
DA-4382/CGMP07	0059	\$29,992		BWC - Gate 148 Backup Steel and Level 6 Deck Conflict
DA-4382/CGMP07	0060	\$17,762		BWC - Walters and Wolf Fabrication and Field Installation Acceleration (Ju
DA-4382/CGMP07	0061	\$20,305		BWC - Walters and Wolf Fabrication and Field Installation Acceleration (Au
DA-4382/CGMP08	0276	(\$8,405)		BWC - Escalator Type FC43 Fixtures Power Source
DA-4382/CGMP08	0277	\$9,374		BWC - Area Drains in Lieu of Roof Drains on Level 6 Area C4
DA-4382/CGMP08	0278	\$31,215		BWC - Missing Balancing Valve in Domestic Hot Water Return Line (Plum
DA-4382/CGMP08	0279	(\$3,505)		BWC - Level 5 South - Additional Labor and Materials Resulting from Core
DA-4382/CGMP08	0280	\$54,439		BWC - Relocate Gas Riser Line at West Side of North Tug Pass (Plumbing
DA-4382/CGMP08	0281	(\$1,029)		BWC- Communication - Elevator Control Room (ECR) Wall Phones Clarific
DA-4382/CGMP08	0282	\$55,317		BWC - SSI - CBP Booth Modifications (Electrical)
DA-4382/CGMP08	0283	\$30,919		BWC - SSI - ACAMS Coordination With Interiors (Electrical)



#### Bradley West Element

32 - BRADLEY WEST			1			
DA-4382/CGMP08	0284	\$10,301		BWC - FCU-C6.4 Condensate Drain Line		
DA-4382/CGMP08	0285	\$131,084		BWC - Add Exit Capacity on Level 6		
DA-4382/CGMP08	0286		\$432,170	BWC - Core Level 3 Tenant Interior Fit-Out		
DA-4382/CGMP08	0287	(\$176,681)		BWC - UPS Units Dual Input Voltage		
DA-4382/CGMP08	0288	\$0		BWC - South Lightwell Finishes and Systems Level 4		
DA-4382/CGMP08	0289		\$233,664	BWC - South Lightwell Finishes and Systems Level 4		
DA-4382/CGMP08	0290		\$182,096	BWC - SSI Added Customs Border Patrol Camera Locations		
DA-4382/CGMP08	0291		\$503,841	BWC - Telecommunication BIM Cable Tray Coordination (Electrical)		
DA-4382/CGMP08	0292	\$28,812		BWC - Pier Circulating Doors (Electrical)		
DA-4382/CGMP08	0293	\$5,107		BWC - FCU-C4.1 Inaccessible Over AHU-C12		
DA-4382/CGMP08	0294	\$131,954		BWC - Roller Sun Shade Control Panel Location		
DA-4382/CGMP08	0295	(\$8,094)		BWC - Electrical - Building Restroom Lighting with EMG/Normal Circuiting		
DA-4382/CGMP08	0296	(\$6,921)		BWC - Gate 148 Level 4 Device Dimensions		
DA-4382/CGMP08	0297		\$171,448	BWC - Tenant Ceiling Level 4 North Resolution		
DA-4382/CGMP08	0298	(\$18,873)		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake		
DA-4382/CGMP09	0107		\$519,086	BWC- Core Soffit Maintenance Access Panels		
DA-4382/CGMP09	0108	\$9,669		BWC - Elevation Differential Landing and Stair Revisions near R1/57.4		
DA-4382/CGMP09	0109	\$4,860		BWC - Relocate Gas Riser Line at West Side of North Tug Pass (Masonry)		
DA-4382/CGMP09	0110	\$9,944		BWC - Roof Stair C7ST06 Revisions (Miscellaneous Metals)		
DA-4382/CGMP09	0111	\$120,704		Core Fall Restraint Level 7 - (Miscellaneous Metals)		
DA-4382/CGMP09	0112	\$143,596		BWC - Added South Elevator Suspended Pit		
DA-4382/CGMP09	0113	\$100,507		BWC - Add Exit Capacity on Level 6 (Miscellaneous Metals)		
DA-4382/CGMP09	0114		\$356,909	BWC - Light Pendant Support and Framing at Level 1		
DA-4382/CGMP09	0115	\$3,004		BWC - Concrete Reinforcement Changes to Detail 23/S3011 (Miscellaneous		
DA-4382/CGMP09	0116	\$3,538		BWC - Modify Gutter Support Bracket at Gutter Ends of Low Roof		
DA-4382/CGMP09	0117	\$761		BWC - Top of CMU Wall Connection at Mechanical Pump Room		
DA-4382/CGMP09	0118	\$8,579		BWC - Level 3 Ramp Landing Size Revision (Steel)		
DA-4382/CGMP09	0119	\$4,527		BWC - Added Level 2 Brace (Misc Metals)		
DA-4382/CGMP09	0120	\$2,517		BWC - Formed Aluminum Bulkhead Framing at Gridline X19 (Exterior Frami		
DA-4382/CGMP09	0121	\$523		BWC - Deck Flute Insulation at North Crescent Clerestories (Exterior Framir		
DA-4382/CGMP09	0122	\$5,758		BWC - Elevation Differential Revised Ramp and Landing Near R1/40.2		
DA-4382/CGMP10	0032	\$1,117		BWC - Added Level 2 Brace (Fireproofing)		
DA-4382/CGMP10	0033	(\$706)		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake (Fire Proofing)		



#### Bradley West Element

DA-4382/CGMP12	0101	\$1,077		BWC - Missing Balancing Valve in Domestic Hot Water Return Line (Interior
DA-4382/CGMP12	0102	\$1,147		BWC SSI - ACAMS Coordination With Interiors (Doors)
DA-4382/CGMP12	0103	\$11,641		BWC - Add Exit Capacity on Level 6
DA-4382/CGMP12	0104	\$43,686		BWC - Core Level 3 Tenant Interior Fit-Out
DA-4382/CGMP12	0105	\$22,163		BWC - South Lightwell Finishes and Systems Level 4 (Framing/Drywall)
DA-4382/CGMP12	0106	(\$1,159)		BWC - Telecommunication BIM Cable Tray Coordination (Framing)
DA-4382/CGMP12	0107	\$2,393		BWC - Level 3 Ramp Landing Size Revision (Gypsum Board)
DA-4382/CGMP12	0108	\$12,487		BWC - ADG RFI-83 Pier Circulating Doors (Doors)
DA-4382/CGMP12	0109	\$4,510		BWC - RENO - EDN-27-Signage Locations and Messaging (Framing)
DA-4382/CGMP12	0110	\$9,469		BWC - Tenant Ceiling Level 4 North Resolution (Framing)
DA-4382/CGMP12	0111	\$3,329		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake (Drywall)
DA-4382/CGMP13	0050	(\$6,035)		BWC - Add Exit Capacity on Level 6 (Decorative Metals)
DA-4382/CGMP13	0051		\$280,095	BWC - South Lightwell Finishes and Systems Level 4
DA-4382/CGMP13	0052	\$2,086		BWC - Level 3 Ramp Landing Size Revision (Interior Glass)
DA-4382/CGMP13	0053	(\$5,925)		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake
DA-4382/CGMP13	0054	\$671		BWC - Elevation Differential Revised Ramp and Landing Near R1/40.2
DA-4382/CGMP14	0061	\$3,269		BWC - Core Level 3 Tenant Interior Fit-Out (Painting)
DA-4382/CGMP14	0062	\$37,724		BWC - South Lightwell Finishes and Systems Level 4
DA-4382/CGMP14	0063	\$1,873		BWC - IEMS Time Tower Bustle - Delete Level - 5 Air Intake
DA-4382/CGMP15	0019	\$78,032		BWC - SSI - CBP Booth Modifications
DA-4382/CGMP15	0020	\$77,548		BWC - Core Level 3 Tenant Interior Fit-Out (Soft Flooring)
DA-4382/CGMP16	0003	\$2,671		BWC - Add Exit Capacity on Level 6 (Signs and Graphics)
DA-4382/CGMP19	0002	(\$176,061)		BWC - RENO Phase "0" Credit for Deleted Existing Exterior Pre-Cast Concrete
DA-4382/CGMP20	0008	\$1,557		BWC - R Line Demolition - Electrical Conduit/Wiring Clean Up
DA-4382/CGMP20	0009	\$3,297		BWC - EDN-27 Additional Light Switch Relay
DA-4382/CGMP20	0010	\$10,457		BWC - RENO - Phase '0' CBP North Offices - Additional Mold Discovery and
DA-4382/CGMP20	0011	\$26,846		BWC- Renovation - Phase "0" CBP North Offices Paperless/Water Resistant



### CHANGE ORDERS - Continued as of 12/31/2012

Project	Change Order								
Contract	No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes				
UP Replacement Element	ent								
C001A - CENTRAL UTILIT	Y PLANT								
DA-4554/0000	0073	\$0			York YST Chillers Extended Warranty				
DA-4554/0000	0077	\$94,013			New Face of CTA - Planter Removal at Limited Location				
DA-4554/0000	0079	\$3,424			Additional Signage for Metering Building				
DA-4554/0000	0080	\$5,933			Area 5.3 Unforeseen Gas Line & Mechanical Piping Conflict				
DA-4554/0000	0081	\$12,126			T4 Tunnel Unforeseen High Strength Concrete Slurry				
DA-4554/0000	0082	\$12,812			Unforeseen Hot Water Lines in Conflict with 2 x 8 Ductbank				
DA-4554/0000	0084	\$1,096			CUP Electrical and Partition Rework due to FFE Design				
DA-4554/0000	0085	\$44,783			Parking Structures 3 & 4 Panel Replacement				
DA-4554/0000	0086	\$20,581			Revisions to Trunked Digital Radio System				
DA-4554/0000	0087	\$17,016			IS-2299 Metering Building Foundation Changes				
DA-4554/0000	0088	\$41,782			TES Tank 15" Shell Extension				

Landside Element

**Residential/Soundproofing Element** 

**Terminal Element** 



### Bradley West- Gates

CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE )	APPROVED CHANGES (CUMMULATIVE)	SUBTOTAL	% OF CONTRACT VALUE *
DESIGN EVOLUTION	\$31,925,860	\$0	\$31,925,860	5.14%
DOCUMENT CORRECTION	\$31,133,168	\$2,271,109	\$33,404,277	5.37%
FIELD CONDITIONS	\$11,875,461	\$420,125	\$12,295,586	1.98%
OWNER BETTERMENT	\$14,076,829	\$3,960,724	\$18,037,553	2.90%
CODE REQUIREMENT	\$2,500,823	\$69,389	\$2,570,212	0.41%
TOTAL	\$91,512,141	\$6,721,347	\$98,233,488	15.80%

\*Base Contract Value = \$621,550,000



### Bradley West- CORE

CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE)	APPROVED CHANGES (CUMMULATIVE )	SUBTOTAL	% OF CONTRACT VALUE*
DESIGN EVOLUTION	\$30,694,526	\$0	\$30,694,526	4.93%
DOCUMENT CORRECTION	\$15,930,643	\$2,764,721	\$18,695,364	3.00%
FIELD CONDITIONS	\$10,466,791	\$2,190,317	\$12,657,108	2.03%
OWNER BETTERMENT	\$52,448,486	\$3,239,618	\$55,688,104	8.94%
CODE REQUIREMENT	\$5,769,880	\$108,460	\$5,878,340	0.94%
TOTAL	\$115,310,326	\$8,303,116	\$123,613,442	19.85%

\*Base Contract Value = \$622,600,000



## OCIP

as of 12/31/2012





### **OCIP - Continued**

as of 12/31/2012





## **OCIP - Continued**

as of 12/31/2012





## MWBE/DBE Subcontractor Utilization Summary Report

as of 12/31/2012

				Achieved	Parti	cipation to E			
Firm	Contract No.	DBE or M/VBE Contract	Proposed Level of Participation		MIVBE		DBE		Remarks
AECOM Technical Services, Inc.	DA-4260	DBE	12.00	%	N/A	%	20.37	%	
Arcadis	DA-4413	M/WBE	20.00	%	6.02	%	NłA	%	Limited scope of work authorized to date.
Atkins	DA-4515	DBE	24.00	%	N/A	%	27.75	%	
Atkins	DA-4679	M/WBE	11.50	%	15.32	%	N/A	%	
CH2M Hill	DA-4414	M/WBE	22.00	%	30.33	%	N/A	%	
Clark/McCarthy Joint Venture - Design	DA-4554	M/WBE	20.10	%	13.83	%	N/A	%	
Clark/McCarthy Joint Venture - Construction	DA-4554	M/WBE	16.00	%	10.99	%	N/A	%	
Fentress Architects	DA-4274	DBE	9.30	%	13.86	%	6.23	%	
Flatiron West, Inc.	DA-4398	DBE	1.00	%	NA	%	4.02	%	
Griffith Company	DA-4338	M/WBE	5.63	%	5.66	%	N/A	%	
Hatch Mott MacDonald, LLC	DA-4275	DBE	19.85	%	N/A	%	18.70	%	
HNTB Corporations	DA-4709	DBE	10.80	%	N/A	%	13.64	%	
Jacobs Project Management Co.	DA-4417	M/WBE	25.00	%	30.07	%	NłA	%	
KDG Dev + Construction Consulting	DA-4418	M/WBE	20.00	%	21.61	%	NłA	%	
Kimley-Horn and Associates	DA-4555	DBE	20.00	%	N/A	%	7.74	%	In Mobilization - Limited Scope.
Parsons Transportation Group, Inc.	DA-4415	M/WBE	23.00	%	55.19	%	N/A	%	
Paslay Management Group	DA-4324	M/WBE	10.00	%	19.46	%	N/A	%	
Praxis Integrated Communications	DA-4541	M/WBE	10.00	%	0.00	%	N/A	%	MBE subcontractor approval in proces
Vanir Construction Management, Inc.	DA-4416	M/WBE	20.00	%	18.92	%	N/A	%	
Walsh Austin Joint Venture - Pre-Construction (Gates)	DA-4337	M/WBE	20.00	%	29.43	%	N/A	%	
Walsh Austin Joint Venture - Construction (Gates)	DA-4337	M/WBE	14.00	%	22.55	%	NłA	%	
Walsh Austin Joint Venture - Pre-Construction (Core)	DA-4382	M/WBE	20.00	%	24.02	%	NłA	%	
Walsh Austin Joint Venture - Construction (Core)	DA-4382	M/WBE	14.00	%	18.95	%	NłA	%	
			Total Participa	ation:	21.867	4	11.49%		

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