





## **Airports Development**

**Executive Management** 

Program Status Report

October 31, 2011



## TABLE OF CONTENTS

Project Status	3
Work in Progress	28
Schedule	34
Financial	41
OCIP	67
MWBE/DBE	



### **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.

### **Utilities and Infrastructure Element**

These capital improvement projects are critical utility and infrastructure elements that support Terminal and Airport operations within the Central Terminal Area (CTA). Current construction projects include the In-Line Baggage Screening System program consisting of the construction of fully integrated Transportation Security Administration (TSA) screening equipment in Terminal 3 and removal of lobby machines, plus, the IT Fiber Loop Backbone project which will provide new connectivity between all Terminals and the Telecommunication Building.

#### **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**

Construction contract was awarded to Flatiron West, Inc. (FWI) on December 7, 2009.

Construction Notice to Proceed for the project was issued on March 1, 2010.

Overall construction progress is 70% complete.

Construction NTP for Package 2 (Aprons) was issued on May 23, 2011. Construction NTP for Taxilane E (Phase 8) was issued on October 11, 2011.

### **Budget Status**

The request for additional contract contingency to process some unforeseen changes resulting from additional work by Taxilane S for the Concourse Construction Package and Crossfield Taxiway projects for \$4.5M has been approved by the Board on October 3, 2011.



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

### **Schedule Status**

- \* Taxiway D opened on October 4, 2011.
- \* Taxilane S is anticipated to open in mid November 2011.
- \* Taxiway E is anticipated to complete in January 2012.
- \* The New Security Post is anticipated to complete in February 2012.
- \* The East Ramp work is anticipated to complete in March 2012.

### Issues



## 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 ft. 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 projects which consist of the Demo American Airlines (AA) Low Bay Hangar, Relocate and Demo H2O Deluge System, Demo Existing Sky Chef airline catering facility, Partial Demo American Airlines (AA) (former TWA) Hangar, an Emission Reduction Credit and Site Restoration of Southwest Apron Remain Overnight (RON) parking area.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

This project is being designed as three separate scopes; that may be constructed independently, in accordance with the implementation schedule.

#### 1 - Taxilane T:

The design contract for Taxilane T was awarded to Kimley Horn & Associates on November 15, 2010; and the 60% design drawings have been received.

2 - Demo AA Low Bay Hangar and Deluge System:

The design for this scope is 100% complete.

3 - Southwest Apron Remain Overnight (RON) Parking Area:

The design for the Southwest Apron Remain Overnight (RON) parking area was awarded to Post, Buckley, Schuh & Jernigan, Inc. (PBS&J) in September 2010. The 100% design submittal was received in June 2011; and the constructibility review in progress.

### **Construction Progress**

No construction contracts awarded.



## AIRSIDE ELEMENT - Taxilane 'T' (M306A) - Continued

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

1 - Taxilane T:

Kimley-Horn and Associates has proceeded with the design of the Taxilane T and Low Bay Site Restoration.

### <u>Issues</u>

- 1 Taxilane T:
- \* Delayed site access availability of Sky Chef and American Airlines Leaseholds may impact project schedule.
- 2 Demo AA Low Bay Hangar and Deluge System:
- \* Delayed site access availability of Sky Chef and American Airlines Leaseholds may impact project schedule.
- 3 Southwest Apron Remain Overnight (RON) Parking Area:
- \* Right of Entry agreement is being drafted for construction within Southern California Edison Easement.
- \* The Federal Environmental Assessment (EA) may impact project schedule.



# 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**

Pre-construction meeting was held on September 28, 2011.

Construction Notice to Proceed (NTP) was issued on October 13, 2011.

### **Budget Status**

This project is tracking on budget.

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**

Construction contract awarded to Griffith Company on August 15, 2011.

Construction Notice to Proceed (NTP) was issued on October 13, 2011.

This project is progressing on schedule.

### <u>Issues</u>



## **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 awarded to Griffith Construction on April 21, 2009.

Notice to Proceed issued June 29, 2009.

Construction continues at 98% complete. Investigation of electrical vaults for the replacement of FAA fiber optic line work is in progress.

### **Budget Status**

This project is anticipated to complete on budget.

### **Schedule Status**

Contract has been extended to May 24, 2012 for future work requirements.

### <u>Issues</u>

A Board report has been prepared for Board approval on November 7, 2011 to approve a \$350,000 Change Order to appropriate funds for emergency striping repair on the airfield.



## **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). 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**

Design is 95% complete.

### **Construction Progress**

MEP (Mechanical, Electrical & Plumbing) rough-in work on North Concourse continues.

Enclosure work (Roof, Curtain Wall, Glazing, etc.) is ongoing.

North Concourse Restrooms/Holdrooms, Mechanical & Electrical Rooms Build Out is ongoing.

Underground & Overhead MEP activities at Gates #134, #133, #132 & #131

Gate 132 - Curtainwall Unit installation in progress.

Gate 130 - Installation of Back-up Steel & Curtainwall clips.

North Concourse Bus Connector - Foundation work in preparation for structural steel.

South Area 1 - Overhead MEP & Rough-In work; Build out of Electrical Rooms, Restrooms, Offices.

South Area 2 - Roof, Enclosure & Clerestory activities in progress.

South Area 3 - Work focuses on Exterior CMU work; Fireproofing; Roof/Enclosures.

South Area 4 - Build out of Offices, Corridors & Holdrooms; Installation of Back-up Steel & Roof Gutter.

Slab on Grade & Slab on Metal Deck Pours - Gates #150, #151, #152, #154 & #156

Final Shear Wall Pours on Gate #157; Commenced Shear Wall Pours on Gate #159

### **Budget Status**

Component Guaranteed Maximum Price 01 through 15 have been approved by the Board.

Buy out is 83% complete, inclusive of approved amendments.



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

### **Schedule Status**

Gates 134 Substantial Completion

Target Date: 08/01/12 Forecast Date: Forecast Date: 8/1/12

West Gates Substantial Completion

Target Date: 12/12/12 Forecast Date: 2/15/13

East Gates Substantial Completion

Target Date: 10/19/13 Forecast Date: 12/24/13

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

\* LAWA/ADG and WAJV initially pursued a joint effort to update the Bradley West program master schedule with the latest planned approach for completing the project, as well as incorporate all changes through May 1, 2011. This schedule "reset" process was to be done in a phased approach, and would also implement schedule recovery efforts to meet target schedule program goals. Challenges experienced during the structures phase of this process have redirected the Bradley West team's efforts toward focusing on interim milestones instead of the final target end date. The project team has established a target interim milestone of February 2012 for 'Dry-In' of the Core Building. Based on this interim milestone 'Dry-In' date, West Gates Substantial Completion is now forecast for a mid-February 2013 completion.

<sup>\*</sup> Two other projects were being reported in the Airside Element: the Aprons and Concourse Demolition Projects. Effective with the October 2011 report, these projects are being reported within the Bradley West Element; so as to accurately reflect the recent Board actions approving the contract amendments.



## **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 sf 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, improves and enlarges the space used by the FIS and the Customs and Border Patrol (CBP); constructs secure/sterile passenger corridors between TBIT and Terminals 3 and 4; and renovates and improves existing facilities throughout TBIT including re configuration of the security screening checkpoint. Also 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 85% complete.

### **Construction Progress**

Core Steel Erection in Areas 1 & 2 Complete.

Steel Erection in Area 3 (Section J) has commenced.

Metal Deck work in Areas 1 & 2 continue.

Slab on Metal Deck (SOMD) pours in Area 1 in progress.

Prep work for SOMD pours in Area 2 has commenced.

Basement Wall remediation continues in Area 3.

Work on Shear Wall AA is on going.

### **Budget Status**

Component Guaranteed Maximum Price 01 through 16 have been approved by the Board. Buy out is 56% complete, inclusive of the approved ammendments.

### **Schedule Status**

Milestone #3 – New Core Construction Completion Target Date: 12/12/12 Forecast Date: 2/15/13\*

<sup>\*</sup>Current forecast date includes the results of recovery planning efforts.



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

### <u>Issues</u>

- \* LAWA/ADG and WAJV initially pursued a joint effort to update the Bradley West program master schedule with the latest planned approach for completing the project, as well as incorporate all changes through May 1, 2011. This schedule "reset" process was to be done in a phased approach, and would also implement schedule recovery efforts to meet target schedule program goals. Challenges experienced during the structures phase of this process have redirected the Bradley West team's efforts toward focusing on interim milestones instead of the final target end date. The project team has established a target interim milestone of February 2012 for 'Dry-In' of the Core Building. Based on this interim milestone 'Dry-In' date, the New Core Substantial Completion date is now forecast for a mid-February 2013 completion.
- \* Shear Wall construction is on the primary Critical Path (CP) of the Program, and completion of these walls are needed to achieve Core Building Dry-In. The lack of progress on Core Shear Wall construction is adversely affecting the project schedule. Schedule work-arounds are currently being explored. Update to follow.



## **BRADLEY WEST ELEMENT - Construction Traffic Mitigations (M203B)**

### **Project Description**

The general scope of work involves improving roadway capacity at the two intersections identified by the Bradley West Project Environmental Impact Report as being affected by the Bradley West construction activities and enhancing safety at the future construction contractor parking area.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

The Board awarded construction contract DA-4478 to Griffith Company on June 28, 2010.

Administrative Notice to Proceed (NTP) was issued on July 29, 2010 and construction NTP issued September 7, 2010.

Overall construction is complete.

The Public Works B-Permit final inspection for all three intersections was performed on September 28, 2011 and October 12, 2011.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

The overall project is scheduled to be complete by November 2011.

### <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**

Proposals from six nominated Los Angeles-based artists have been received and are being reviewed by the Art Oversight Committee (AOC).

### **Design Progress**

No design contract awarded.

### **Construction Progress**

No construction contract awarded.

### **Budget Status**

This project is tracking to the budget.

### **Schedule Status**

This project is anticipated to complete 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**

Site Utility (West half) 90% Package and Cooling Tower / Maintenance Building 90% Package were issued for review in October 2011.

Deferred submittals from the building package (mainly architectural finishes and details such as glazing) are being reviewed with Los Angeles Department of Building and Safety and are expected to be approved and permitted by the end of November 2011.

- Process design is at 60% complete with 90% anticipated in November 2011.
- Redesign needed by DWP for IS-5119. Proceeding to clarify issue with Design Builder CMJV.
- Survey and Design for Pump Room modification is proceeding with a proposal for 'pump room isolation' under review.
- Deferred submittals for details of the CUP Building in process.



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

### **Construction Progress**

October 2011 saw a steady increase in man-hours for the CUP project as more subcontractors mobilized to the site and crews increased in size due to expanding work requirements. The work force on the project has increased by 150% since the end of September 2011 with a continual focus on safety and no lost time or recordable injuries during the month.

The CUP project site saw significant changes during the month of October 2011. With the removal of the underground storages completed in September 2011, CMJV has been able to expand their work area to encompass the entire CUP footprint. As projected, steel delivery has commenced for the drilling and installation of shoring around the perimeter of the CUP site. CMJV has installed approximately half of the required shoring pile while following with the installation of the timber lagging. CMJV has completed the required utility relocations on the south side of the CUP footprint thus allowing for the installation of shoring around the entire CUP footprint.

CMJV continues to excavate and pothole in the area of the new cooling towers and maintenance building in support of final design activities. Explorations are required to find acceptable alignments for installation of the new 48" condenser water piping and for the new chilled and hot water distribution piping. Unexpected footings and existing utilities have created design and installation challenges requiring additional and creative design approaches.

Long Lead Equipment Procurement and Fabrication:

Process Equipment comprises about one-third of the total value of the CUP. This equipment includes in excess of 400 individual items. Major equipment items are Combustion Gas Turbines, Heat Recovery Steam Generators, Boilers, Chillers, Motors, Piping and Electrical Switchgear. Most of the major items are on order with shop drawings either received or due in November, December and January. Significantly, three of the major chillers were delivered in early October and are being placed in storage.

### **Budget Status**

This project is tracking to budget.

### **Schedule Status**

CMJV's baseline schedule was approved in July 2011 and their first update was submitted in October 2011.

The project is currently behind schedule due to unforeseen conditions. CMJV and LAWA are discussing mitigation measures and recovery schedules.



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

### <u>Issues</u>

Realignment of the distribution piping system and duct bank systems are still under design review based on information gathered during CMJV potholing activities throughout October 2011. CMJV will present the results of their potholing effort as well as potential cost and schedule implications. Issues require prompt resolution so as to not impact the early 2012 start date.

Revisions required by LADWP to the customer requirements for IS-2299 have been finalized and are being incorporated into the IS-2299 Renovation Project via Change Directive. Revisions are anticipated to have minor impact to the schedule but quick resolution is required to assure maintenance of project schedule milestones.



## 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 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 June 2010 bridge inspection report.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

The designer selection process is underway. The award of the design contract is scheduled for the Board in December 2011.

### **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>



## **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 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**

A task order initiating the design is approved. The designer is working on the B-Permit, grading and habitat plan.

### **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>



## **LANDSIDE 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 Preconstruction meeting was held on October 13, 2011. Notice to Proceed for mobilization was issued on October 31, 2011.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

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

Notice to Proceed was issued on October 31, 2011.

This project is tracking on schedule.

### <u>Issues</u>

None.



## **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 53 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. The Construction Notice to Proceed was issued September 29, 2011.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

The project is tracking on schedule.

### <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**

Not applicable.

### **Design Progress**

AECOM has been selected for the next phase of Architectural Services for up to 80 dwelling units.

### **Construction Progress**

Currently there are four construction contracts ongoing.

This component of the Noise Mitigation / Soundproofing Program is 90% complete.

### **Budget Status**

This project is trending to complete on budget.

### **Schedule Status**

This project is on track to be completed in 2012.

### <u>Issues</u>



## **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 and 2 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.

### **Construction Progress**

The contract award was approved by the Board in August 2011; and Administrative Notice-to-Proceed was issued in October 2011.

### **Budget Status**

The project is tracking to the 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 98% complete.

### **Construction Progress**

Priority I Site Mods - Construction contract awarded to W.E. O'Neil Construction Company on August 17, 2009 -

Construction is 95% complete.

Priority II - Procurement - Fabrication is at 29%. Five units installed.

Priority II-IV Site Mods - Original bids were rejected due to scope change. The modified scope project is to be advertised in November 2011.

Priority II-IV GC MRL Elevators - To be advertised along with the Priority II-IV Site Mods.

Parking Structure MRL Elevators - No construction contracts awarded.

### **Budget Status**

Each active project remains on track to finish within the respective project budget.

### **Schedule Status**

The Priority 1 Units installation remain on track for a mid-December 2011 completion.

### <u>Issues</u>

Sequence of work at Terminal 6 and rebid issues with the Priority II Site Modifications contract will cause delays to the current KONE contract. A change order to extend KONE's contract is being negotiated with KONE and will be prepared for Board action. A change order to include the remaining KONE units into the current WE O'Neil contract will avoid the majority of contract extensions to KONE is being prepared for November 2011 Board action.



### **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 - VNY Runway 16R Reconstruction**

(A010C)

### **Project Description**

The project consists of the reconstruction of Runway 16R and the run-up area at Van Nuys Airport, including the removal of existing deteriorating pavement, construction of a new structural asphalt concrete (AC) pavement section, pavement markings, and lighting systems. The new pavement shall be designed to meet current and future anticipated aircraft operational demands.

### **Issues / Status**

The project definition phase is underway.



# WORK IN PROGRESS - Runway Safety Area Improvements Project - South Side (A012A)

### **Project Description**

This project entails the demolition of existing taxiway connector B16, construction of new taxiways and taxiway connectors, and the extension of Runway 7L at LAX. The construction elements include 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.

### **Issues** / Status

The 30% design submittal is being finalized.



# WORK IN PROGRESS - Runway 25R East End Reconstruction - (Including Taxiways B & C) (A014A)

### **Project Description**

The purpose of the project is to rehabilitate the deteriorating concrete pavement at the east end of Runway 7L/25R and Taxiway B. The project also includes the east end realignment and extension of Taxiway C.

### **Issues** / Status

The 30% design submittal is being finalized.



## WORK IN PROGRESS - 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. This demolition scope includes legal disposal of demolition debris; abatement of asbestos, lead and other hazardous materials; all regulatory notifications; temporary and permanent fencing and site security; recycling of salvageable materials; dust and noise control; and site grading and landscaping.

### **Issues** / Status

The Project Definition phase is underway.



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

### **Project Description**

The project provides a passenger connection between Terminal 4 and the Tom Bradley International Terminal (TBIT). The project also includes a building shell that will accommodate in-line baggage screening provided by American Airlines, a passenger Security Screening Check Point (SSCP), and an airside passenger bus terminal.

### **Issues** / Status

The solicitation process for a Design-Build contractor is being developed.



### 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.

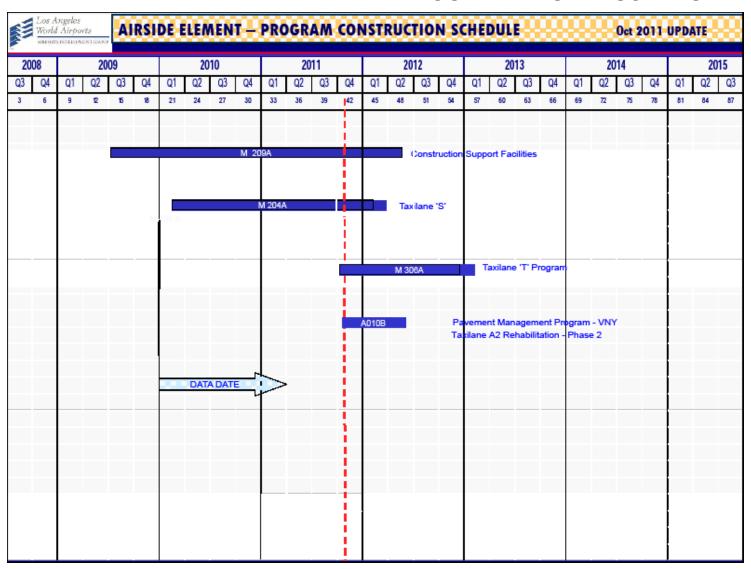
Data Date - Is a vertical line showing the current date of the report. Dates to the left side of the data date are known. Dates to the right side of the data date are projected.

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.

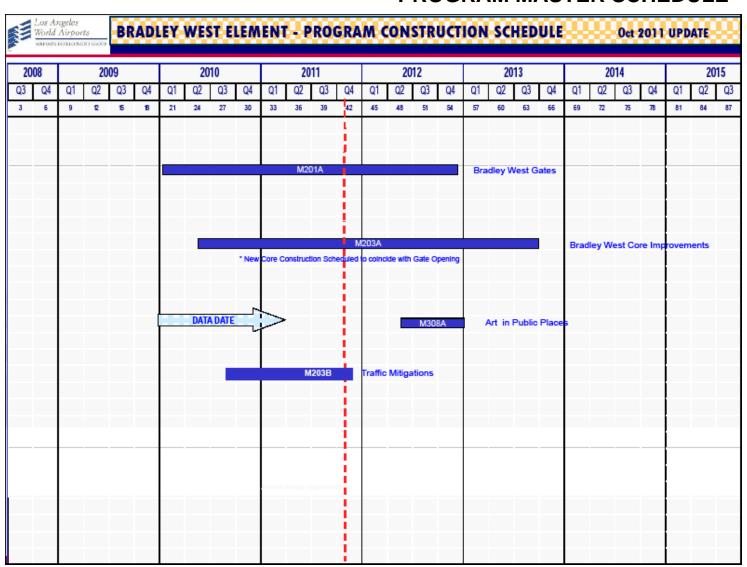


### **PROGRAM MASTER SCHEDULE - Continued**

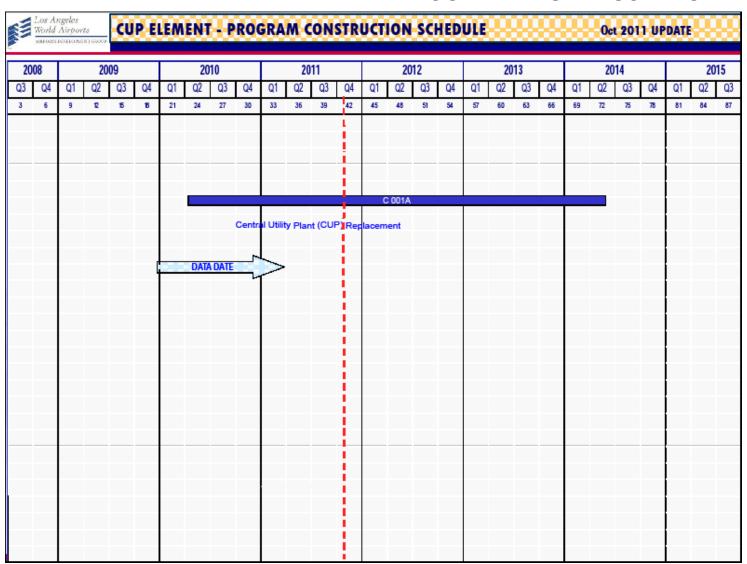




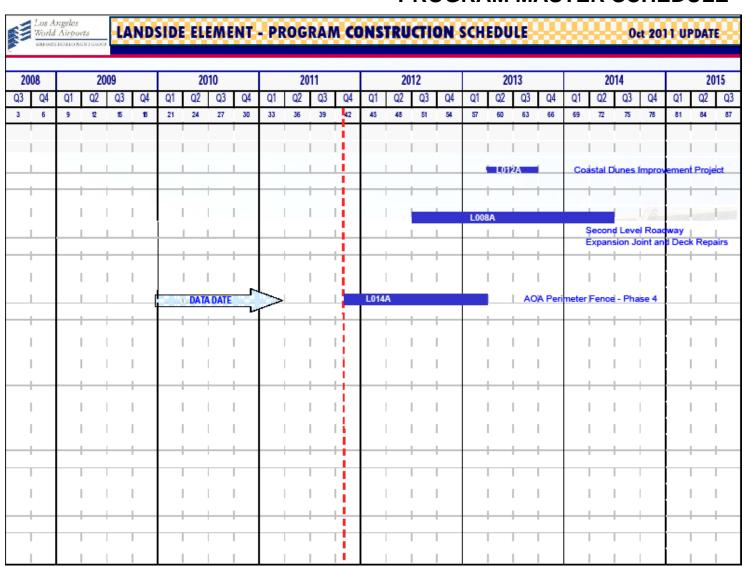
## **PROGRAM MASTER SCHEDULE - Continued**



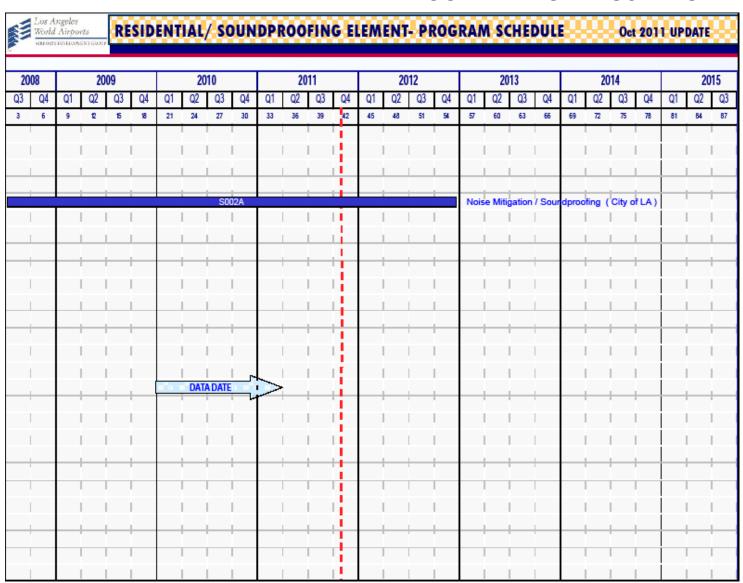




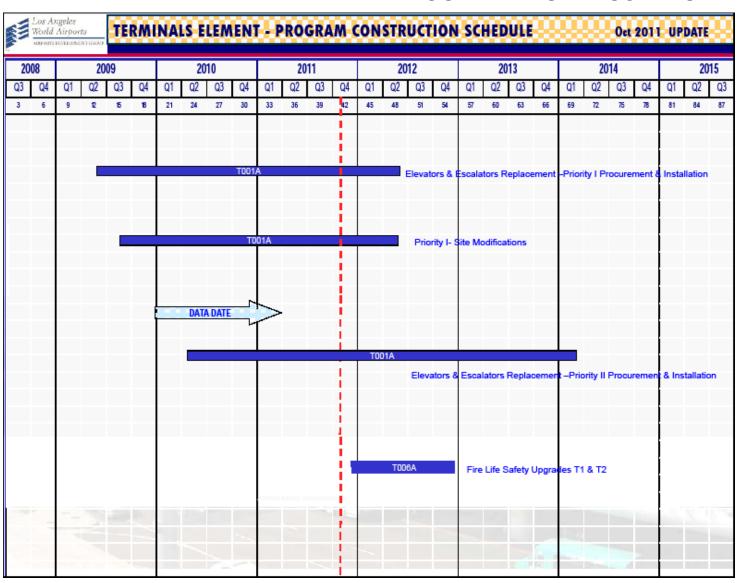














### **BUDGET OVERVIEW**

### **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.

Baseline Budget - Is the estimated cost of the project as it was reported in the November 2009 report with the exception of the Crossfield Taxiway project which is from the February 2009 Operating Statement (OS) budget report.

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 9/30/2011

			(dollars in thousa	ands)				
Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
Airside Element	289,203	329,684	171,214	123,261	317,354	12,329	39%	15%
Bradley West Element	1,723,740	1,764,923	1,221,683	626,759	1,697,356	67,568	37%	14%
CUP Replacement Element	423,835	423,835	330,671	75,225	373,851	49,984	20%	8%
Landside Element	28,406	28,406	5,357	464	26,314	2,092	2%	0%
Residential/Soundproofing Element	181,317	161,317	149,545	143,931	161,214	103	89%	0%
Terminal Element	275,300	245,282	102,266	56,228	207,330	37,952	27%	21%
Subtotal	2,921,801	2,953,447	1,980,736	1,025,868	2,783,419	170,028	37%	13%
Unallocated Contingency	N/A	327,739	0	0	N/A	N/A	N/A	N/A
Subtotal	N/A	3,281,186	1,980,736	1,025,868	N/A	N/A	N/A	N/A
Work in Progress	N/A	0	133	133	N/A	N/A	N/A	N/A
Program Total	N/A	3,281,186	1,980,869	1,026,001	N/A	N/A	N/A	N/A

<sup>1.</sup> The current budget and estimate at completion excludes escalation



# AIRSIDE ELEMENT BUDGET REPORT as of 9/30/2011

		_		(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
M204A	Taxilane 'S'	174,980	162,118	147,981	108,305	161,917	200	67%	27%
M306A	Taxilane 'T'	96,500	156,208	13,733	8,455	144,898	11,310	6%	0%
	Pavement Management Program - VNY Taxilane A2 Rehabilitation - Phase 2	2,933	2,933	2,181	1	2,723	210	0%	0%
M209A	Construction Support Facilities	14,790	8,425	7,319	6,500	7,816	609	83%	39%
Aiı	rside Element Total	289,203	329,684	171,214	123,261	317,354	12,329	39%	15%

- 1. The current budget and estimate at completion excludes escalation
- 2. The Bradley West Aprons (M205A) and Demolition of Existing Concourses (M210A) Projects were transferred to the Bradley West Element.



# BRADLEY WEST ELEMENT BUDGET REPORT

as of 9/30/2011

				(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
M201A	Bradley West Gates	906,474	908,399	694,032	400,071	887,485	20,914	45%	26%
M203A	Bradley West Core Improvements	808,364	848,689	520,004	224,849	802,218	46,472	28%	0%
M203B	Construction Traffic Mitigations	3,542	2,475	2,287	1,839	2,293	182	80%	54%
M308A	Art In Public Places	5,360	5,360	5,360	0	5,360	0	0%	0%
Br	adley West Element Total	1,723,740	1,764,923	1,221,683	626,759	1,697,356	67,568	37%	14%

- 1. The current budget and estimate at completion excludes escalation.
- 2. The Bradley West Aprons (M205A) and Demolition of Existing Concourses (M210A) Projects were transferred from the Airside Element; and the TPAR Construction (C005A) was transferred from the CUP Element.



## **CUP REPLACEMENT ELEMENT BUDGET REPORT**

as of 9/30/2011

	(dollars in thousands)								
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
C001A	Central Utility Plant	423,835	423,835	330,671	75,225	373,851	49,984	20%	8%
CL	CUP Replacement Element Total		423,835	330,671	75,225	373,851	49,984	20%	8%

- 1. The current budget and estimate at completion excludes escalation.
- 2. Costs associated with the TPAR Construction effort were transferred to the Bradley West Element.



# LANDSIDE ELEMENT BUDGET REPORT

as of 9/30/2011

				(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
1	Second Level Roadway Expansion Joint and Deck Repairs	18,900	18,900	22	22	17,500	1,400	0%	0%
L012A	Coastal Dunes Improvement Project	3,000	3,000	353	280	2,780	220	10%	0%
L014A	AOA Perimeter Fence - Phase 4	6,506	6,506	4,982	162	6,034	472	3%	0%
La	ndside Element Total	28,406	28,406	5,357	464	26,314	2,092	2%	0%

### Notes:

1. The current budget and estimate at completion excludes escalation



# RESIDENTIAL/SOUNDPROOFING ELEMENT BUDGET REPORT

as of 9/30/2011

		_		(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
S008A	VNY Soundproofing	1,317	1,317	1,030	0	1,214	103	0%	0%
S002A	Noise Mitigation/Soundproofing (City of LA)	180,000	160,000	148,515	143,931	160,000	0	90%	0%
Re	sidential/Soundproofing Element Total	181,317	161,317	149,545	143,931	161,214	103	89%	0%



# TERMINAL ELEMENT BUDGET REPORT

as of 9/30/2011

				(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
T006A	Fire Life Safety System Upgrades T1 & T2	5,300	4,256	3,017	271	3,572	684	8%	0%
T001A	Elevators and Escalators Replacement	270,000	241,026	99,249	55,957	203,758	37,268	27%	23%
Те	rminal Element Total	275,300	245,282	102,266	56,228	207,330	37,952	27%	21%



# WORK IN PROGRESS BUDGET REPORT

as of 9/30/2011

				(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
A010C	VNY 16R Runway Reconstruction Project	N/A	N/A	0	0	N/A	N/A	N/A	N/A
	Runway Safety Area Improvements Project - South Side	N/A	NØA	0	0	N/A	N/A	N/A	N/A
A014A	Runway 25R East End Reconstruction - (Including Taxiways B & C)	N/A	NØ	82	82	N/A	N/A	N/A	N/A
L015A	Manchester Square / Belford Demolition Program	N/A	N/A	0	0	N/A	N/A	N/A	N/A
T011A	Bradley West - Terminal 4 Connector	N/A	N/A	51	51	N/A	N/A	N/A	N/A
	Intentionally blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wo	ork in Progress Element Total	N/A	N/A	133	133	N/A	N/A	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.

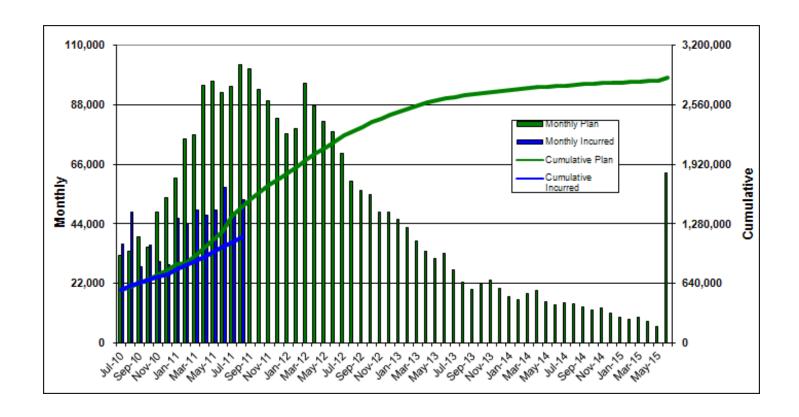
Monthly Incurred - Is the cost of the work actually completed and invoiced for a given month.

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 9/30/2011

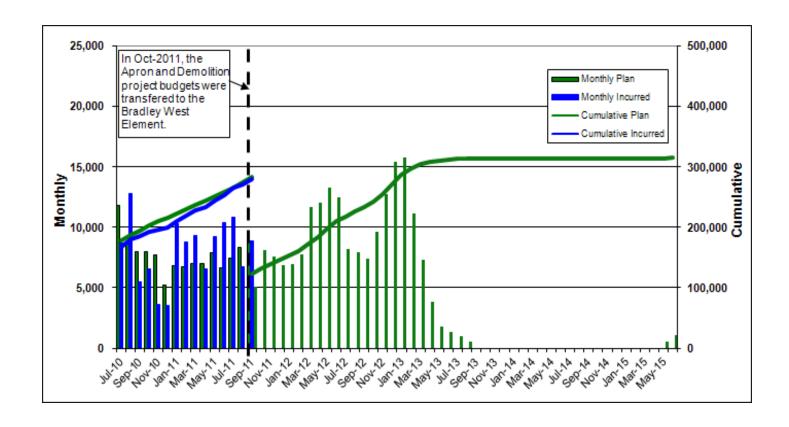


- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.
- 3. The Expenditure Forecast is being revised to reflect the revised Bradley West Element budget.



# AIRSIDE ELEMENT CASH FLOW

as of 9/30/2011

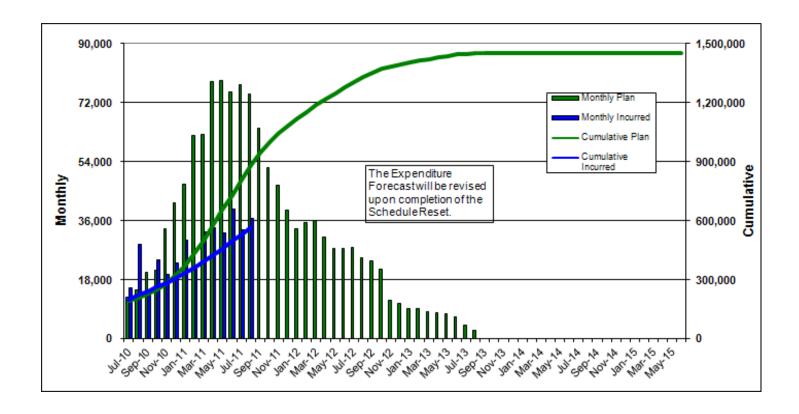


- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.



# **BRADLEY WEST ELEMENT CASH FLOW**

as of 9/30/2011

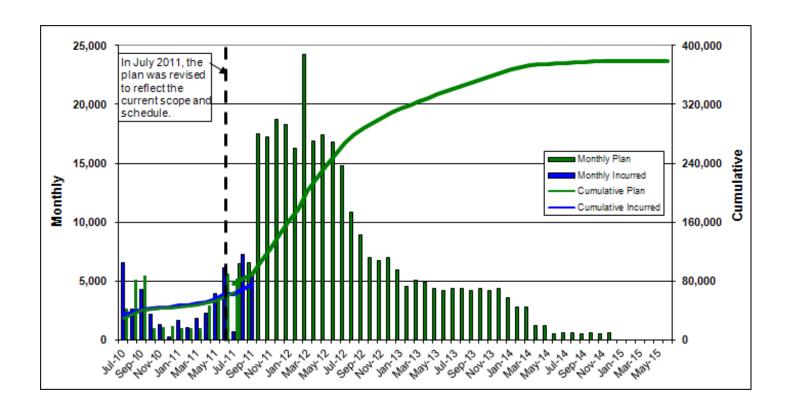


- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.
- 3. The Expenditure Forecast is being revised to reflect the revised Bradley West Element budget.



# **CUP REPLACEMENT CASH FLOW**

as of 9/30/2011

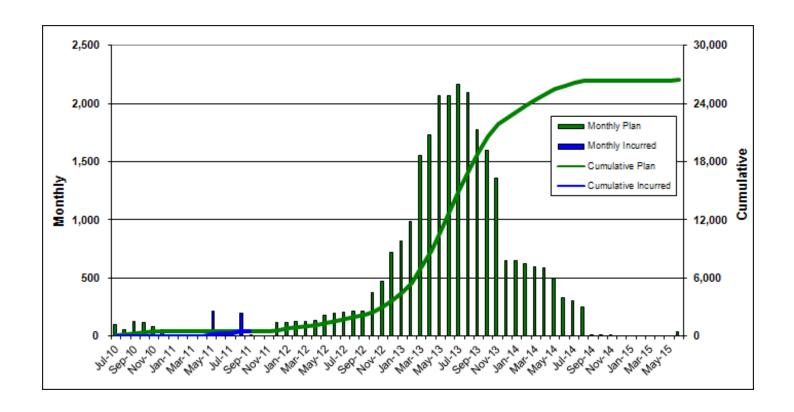


- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.



# LANDSIDE ELEMENT CASH FLOW

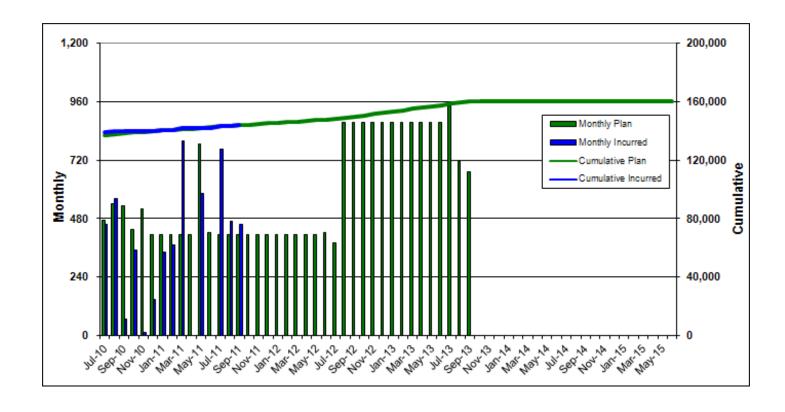
as of 9/30/2011



- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.



# RESIDENTIAL/SOUNDPROOFING ELEMENT CASH FLOW as of 9/30/2011

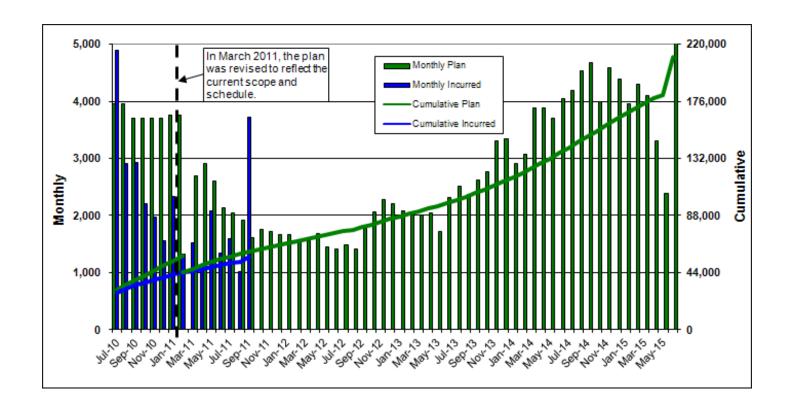


- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.



# TERMINALS ELEMENT CASH FLOW

### as of 9/30/2011



- 1. Unallocated Contingency is not included.
- 2. Escalation is not included.



This page is intentionally blank.



### **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 10/31/2011

Element

Project Change Contract Order No < \$150K \$150K - \$1Mil > \$1Mil Notes

Airside Element



# CHANGE ORDERS - Continued as of 10/31/2011

### Element

Project Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1MiI	Notes
Bradley West Element					
DA-4337 - BRADLEY WES	ST GATES (DA-4	337)			
DA-4337	0005			\$12,959,089	Second Funding Transfer of Executed CGMP Revisions
DA-4337/CGMP01	0013	\$3,607			01.13 Striping Survey Control Points to Establish Striping Area at VSR E-12 to TWA Hanger Entry
DA-4337/CGMP01	0014		\$168,328		01.14 Overtime Tower Crane Operators and Singnalmen to Support Other Trades Overtime Work
DA-4337/CGMP02	0180		\$181,718		02.180 BWG LAWA Construction Safety Policy Guidelines Rev. 2, dated 10/30/2009
DA-4337/CGMP02	0181	\$731			02.181 IWBT Terrazzo Mock-Up LAWA Operations Additional Requests
DA-4337/CGMP02	0182		\$194,808		02.182 CCP1 Change DWP 6900-5R from G2 to G3 and add Conduit
DA-4337/CGMP02	0183	\$971			02.183 Furing of Stucco and Door Frame Replacement (Door Frame)
DA-4337/CGMP02	0184	\$6,369			02.184 Furing of Stucco and Door Frame Replacement (Stucco)
DA-4337/CGMP02	0185	\$6,134			02.185 Modifications to Base Plate Thickness and Quantity of Bolts at Brace
DA-4337/CGMP02	0186	\$902			02.186 IWBT Recycle Bin Rails Relocation
DA-4337/CGMP02	0187	\$97,951			02.187 IWBT Pavement Removal and Overlay
DA-4337/CGMP02	0188	\$1,379			02.188 Relocate Passenger Boarding Bridge Doorway at Gate 151 (Curtainwall) - GDN 83
DA-4337/CGMP02	0189	\$10,119			02.189 BWG Misc. Structural Changes QA Review (GDN 060)
DA-4337/CGMP02	0190	\$14,175			02.190 CD 0106R1 Connector Walkway Redesign
DA-4337/CGMP02	0191	\$24,638			02.191 Slab Edge Bent Plate at Corner Condition and W12x19 Beam Requirements
DA-4337/CGMP02	0192	\$33,571			02.192 CCP- Demo TBIT West Egress Stairs and Doorway Modifications
DA-4337/CGMP02	0193	(\$3,127)			02.193 FD 0201 IWBT RFI 1032- Cost for Redesign of HVAC Unit Supports
DA-4337/CGMP02	0194	\$32,072			02.194 (CANCELLED) Re-Grading of Gates 131 and 133 due to Sanitary Sewer
DA-4337/CGMP02	0195	\$22,792			BWG Mechanical Openings at N9/AA
DA-4337/CGMP02	0196	\$24,429			RFI 2432 BW Gates Exterior Deluge Sprinkler System
DA-4337/CGMP02	0197	\$33,085			BW Gates Additional Support Framing at Back-up Steel Penetration
DA-4337/CGMP02	0198		\$155,819		BWG Elevator Framing and Guide Rail Revisions
DA-4337/CGMP03	0025	\$2,899			03.25 CCP Communication and Power Grounding Rods
DA-4337/CGMP03	0026	\$46,201			03.26 - Bulletin H023B, H023E CDs 0234, 0304, 0309
DA-4337/CGMP03	0027	\$9,196			03.27 Bulletin 50 Communication and Power SUSUMP Testing



### **Bradley West Element**

### DA-4337 - BRADLEY WEST GATES (DA-4337)

DA-4337/CGMP03	0028	\$91,183	03.28 Sanitary Sewer Line A Alignment at Connection Point to Taxilane S
DA-4337/CGMP03	0029	\$30,985	03.29 Shoring System to Support Existing Temp Fire Hydrant System
DA-4337/CGMP03	0030	\$39,142	03.30 CCP- Demo TBIT West Egress Stairs and Doorway Modifications
DA-4337/CGMP03	0031	\$6,356	03.31 SD Roof Drain 23 F Realignment
DA-4337/CGMP03	0032	\$4,603	03.32 CCP - Changes to Communications Manhole No.4
DA-4337/CGMP04	0095	\$9,202	04.95 4" x 8" Concrete Ledge for CMU Veneer
DA-4337/CGMP04	0096	\$73,987	04.96 Revised Curtainwall Embed Plate Height GDN 111
DA-4337/CGMP04	0097	\$886	04.97 RFI 4745- Missing Shear wall Penetration Level 3 at Grid Line BB.3/S44
DA-4337/CGMP04	0098	\$7,038	04.98 RFI 4753 Add North Bus Connector Column Encasement Along AA.06/NC6 and NC5
DA-4337/CGMP04	0099	\$1,179	04.99 RFI 4876 - South Concourse Level 05 Woven Wire Mesh
DA-4337/CGMP04	0100	\$2,662	04.100 Concrete Curb Removal for Door 3S4-22.
DA-4337/CGMP04	0101	\$55,191	04.101 Gates Architectural and Interiors Supplemental GDN 068R1 (Concrete)
DA-4337/CGMP04	0102	\$1,169	04.102 Field Fix for W21 and W36 Embeds at North Piers
DA-4337/CGMP04	0103	\$1,273	04.103 Bus Connector Foundation
DA-4337/CGMP04	0104	\$1,203	04.104 BWG Revised Header Reinforcing Steel at Opening at Gate 134
DA-4337/CGMP04	0105	\$860	BWG RFI 4135 Curb Dimensions Needed at Restroom 4S1-06
DA-4337/CGMP04	0106	\$3,286	BWG Level 3 - Bathroom 3S5-20 Door Placement Revision
DA-4337/CGMP04	0107	\$698	BWG Gate 159: Prepare Caisson for LAWA Testing
DA-4337/CGMP04	0108	\$2,649	04.108 Gate 133 Form Tie and Rebar Modifications
DA-4337/CGMP04	0109	\$2,126	04.109 Level 4 Bathroom Counter Support Curb Blockouts
DA-4337/CGMP04	0110	\$2,700	04.110 Curbs for Pop Outs at South Tug Pass Alcove (Concrete)
DA-4337/CGMP04	0111	\$652	BWG Mechanical Openings at N9/AA
DA-4337/CGMP04	0112	\$9,585	BWG Pier Column Concrete Encasement blockout at level 5 deck - RFI 4826
DA-4337/CGMP05	0031	\$5,622	05.31 BWG -CMU Wall Extension in Alcove at Gate 130
DA-4337/CGMP05	0032	(\$1,591)	05.32 RFI 4211 - Lowered Ceiling Condition at N21 Alcove (Masonry)
DA-4337/CGMP05	0033	\$127,269	05.33 Added CMU Base Course for 4" CMU Veneer
DA-4337/CGMP05	0034	\$32,993	05.34 Gates Architectural and Interiors Supplemental GDN 068R1 (Masonry)
DA-4337/CGMP05	0035	\$1,485	05.35 Curbs for Pop Outs at South Tug Pass Alcove (Scaffolding)
DA-4337/CGMP06	0020	\$7,715	06.20 RFI 4211 - Lowered Ceiling Condition at N21 Alcove (ACM Panels
DA-4337/CGMP06	0021	\$2,574	06.21 Gates Architectural and Interiors Supplemental GDN 068R1 (Roofing)



### **Bradley West Element**

### DA-4337 - BRADLEY WEST GATES (DA-4337)

DA-4337/CGMP06	0022	\$60,000		BWG -Material at North Clerestory (Crown Corr) (Orange County Plastering Co.)
DA-4337/CGMP06	0023	\$48,784		RFI 2432 BW Gates Exterior Deluge Sprinkler System
DA-4337/CGMP07	0049	(\$64,423)		07.49 Deletion of North and South Pre-Action Systems
DA-4337/CGMP07	0050	\$6,214		07.50 Epoxy Painted Pump Skid Inertia Bases
DA-4337/CGMP07	0051	\$123,965		07.51 Pre-Action Sprinkler Revisions per LADBS and LAFD
DA-4337/CGMP07	0052	\$600		BWG RFI 2438 & 2733 South Concourse Reorientation of FCU and Duc
DA-4337/CGMP07	0053	(\$25,023)		07.53 CD 0432 RFI 3382 - 2 HR Rated Enclosure for Piping @ Pier Stai
DA-4337/CGMP07	0054	\$2,862		07.54 RFI 3671 - L4 South Concourse Revised Duct Due to Conflict Wit Steel Per RFI 3671
DA-4337/CGMP07	0055	\$1,522		BWG RFI 4054 Revised Duct Due to Conflict with Level 4 Structural Ste
DA-4337/CGMP08	0033	\$22,727		08.33 CD 0530 - BWG GDN 108 - Pre-Action Sprinkler Revisions per LADBS and LAFD
DA-4337/CGMP08	0034	\$3,225		08.34 BWG Stairwell ST2-N Light Fixture Requirements
DA-4337/CGMP08	0035	\$3,163		08.35 BWG IEMS LED Light Fixture Package
DA-4337/CGMP08	0036	\$74,597		08.36 Add Defibrillator Autodailers
DA-4337/CGMP08	0037	\$44,144		08.37 CD 0584 - DAMAC Equipment Cabinet Part Number Change
DA-4337/CGMP08	0038	(\$2,399)		08.38 Relocate Passenger Boarding Bridge Doorway at Gate 151 (Electrical) - GDN 83
DA-4337/CGMP09	0023	\$3,384		09.23 Curb Fur Out at Crescent Clerestories
DA-4337/CGMP09	0024	\$3,914		09.24 RFI 4211 - Lowered Ceiling Condition at N21 Alcove (Framing)
DA-4337/CGMP09	0025	\$5,647		09.25 Gates Steel Ladder Truss Finish (Fire Proofing)
DA-4337/CGMP09	0026	\$17,339		09.26 Gates Architectural and Interiors Supplemental GDN 068R1 (Exterior Plastering)
DA-4337/CGMP09	0027	\$20,999		BWG -Material at North Clerestory (Crown Corr) (Orange Platering Co.)
DA-4337/CGMP09	0028	\$1,070		09.28 Curbs for Pop Outs at South Tug Pass Alcove (Exterior Plastering
DA-4337/CGMP09	0029	\$3,544		RFI 2432 BW Gates Exterior Deluge Sprinkler System
DA-4337/CGMP10	0014	\$75,454		10.14 Miscellaneous Rated Enclosures at Level 3 Ceiling
DA-4337/CGMP10	0034	\$4,670		10.34 Lowering Rated Enclosures for Fire Smoke Dampers at Level 03 South Concourse
DA-4337/CGMP10	0035	\$23,559		10.35 Smoke Damper Walkable Floor Surface at East Clerestories
DA-4337/CGMP10	0036		\$202,185	10.36 Gates Architectural and Interiors Supplemental GDN 068R1(Framing and Drywall)
DA-4337/CGMP10	0037	\$38,406		10.37 RFI 4360 - Wedi Board for Fire Rated Walls at Level 4 Restrooms
DA-4337/CGMP11	0009	\$1,911		11.09 Gates Architectural and Interiors Supplemental GDN 068R1
DA-4337/CGMP12	0014	\$19,977		12.14 Gates Architectural and Interiors Supplemental GDN 068R1 (Louvers)



Bradley West Element				
DA-4337 - BRADLEY WES	ST GATES (DA-	4337)		
DA-4337/CGMP13	0010	\$1,308		13.10 Gates Steel Ladder Truss Finish (Painting)
DA-4337/CGMP13	0011	\$8,142		13.11 Gates Architectural and Interiors Supplemental GDN 068R1 (Misc Metals)
DA-4337/CGMP13	0012	\$35,610		13.12 Exterior CMU Top of Wall Compressible Fill
DA-4337/CGMP13	0013	\$16,672		RFI 2432 BW Gates Exterior Deluge Sprinkler System
DA-4337/CGMP14	0005	\$8,237		Gates Architectural and Interiors Supplemental GDN 068R1 (Traffic Coating)
DA-4382 - BRADLEY WES	ST CORE (DA-4	382)		
DA-4382/CGMP01	0009	\$5,485		01.09 CD 0758 Relocate Storage Trailers and Connex Units
DA-4382/CGMP01	0010	\$109,273		01.10 CD 0345 ADG - Grading/Placement of Millings at Continental City Compound
DA-4382/CGMP01	0011	\$94,100		01.11 CD-0755 Asphalt 8100 North Fence Line for Additional Parking Stalls
DA-4382/CGMP01	0012	\$14,166		01.12 CD 0391/0391R1/0391R2 Parking Lot B Striping
DA-4382/CGMP01	0013		\$612,170	01.13 Vantage Point - Project Progress Photos - CORE
DA-4382/CGMP01	0014	\$88,861		01.14 Laydown Areas 31 and 32 Millings and Improvements
DA-4382/CGMP02	0026	(\$33,629)		02.26 CD 0458 - RFI 2626 - TEE Add Bollards, Traffic Paint, and Knox Box (Cancels CGMP Rev. 02.20)
DA-4382/CGMP02	0027	(\$109,273)		02.27 (Cancels CGMP Revision 02.22) CD 0345 ADG - Grading/Placement of Millings at Continental City Compound
DA-4382/CGMP02	0028	\$35,951		02.28 Relocation of Tie Rods at South Corridor Shoring System (CCP2) (CD-0612)
DA-4382/CGMP04	0068	\$33,629		04.68 CD 0458 - RFI 2626 - TEE Add Bollards, Traffic Paint, and Knox Box
DA-4382/CGMP04	0069	\$12,479		04.69 CD 0019R2 and CD 0019R1 - Temp Loading Dock and TEE Paging System Change to Gaitronics Phone (Additional Conduit)
DA-4382/CGMP04	0070	\$4,971		04.70 CD 0513 Re-Configuration of Fencing of FACB Only (per CD 0513, Item 1)
DA-4382/CGMP04	0071	\$806		04.71 Temporary Loading Dock Site Restoration (Relocate K-Rail) - EDN 026
DA-4382/CGMP06	0049	\$393		06.49 CD 0510 RFI 1781 - Rebar Clearance at Beam Embeds Detail 21/S0109
DA-4382/CGMP06	0050	\$9,885		06.50 CD 0692 RFI 2325 - Transverse Bars for Footing Changes at Gridline R1
DA-4382/CGMP06	0051	\$5,643		06.51 CD 0601 RFI 1731 - Embed Connection Per S22C4 (CDN-008) and S3010 (Bulletin 0)
DA-4382/CGMP06	0052	\$7,887		06.52 CD 0248 CDN 039 - Re-Align Columns On R1 Line and Misc Framing Changes
DA-4382/CGMP06	0053	\$7,076		06.53 CD 0499 RFI 2259 - Raker Beams Interference with Wall Near Grid R1.5 and 38



### **Bradley West Element**

### DA-4382 - BRADLEY WEST CORE (DA-4382)

DA-4382/CGMP06	0054	\$9,985		06.54 (Canceled - See CGMP Rev 06) CD-0588 RFI 2158 - Pilaster Reinforcing at Grids X13/Y9.7
DA-4382/CGMP06	0055	\$1,439		06.55 CD 0501 RFI 1760 - Details for Tie Beams on Y3/X18-X19
DA-4382/CGMP06	0056	\$5,447		06.56 CD 0548 RFI 1281 - Additional Openings in North Architectural Wall
DA-4382/CGMP06	0057	\$5,581		06.57 CD 0614 RFI 2548 - Wall Beam Rebar Per Detail 13/S6200
DA-4382/CGMP06	0058	\$1,656		06.58 RFI 2347 Reinforcing/Embed Conflict
DA-4382/CGMP06	0059	\$719		06.59 CD 678 RFI 2556 - Dowel Out, Base Plate Interference C3/DD and C4/DD
DA-4382/CGMP06	0060	\$2,646		06.60 RFI 2588 - Reinforcing for Wall Section on A/S3200 (CD 0843)
DA-4382/CGMP07	0005	\$92,573		07.05 Core 7th Floor Deck Embeds
DA-4382/CGMP08	0053	\$43,349		08.53 CD 0283 - VSS Camera Continuous Coverage
DA-4382/CGMP08	0054	\$38,576		08.54 CD 0299 RFI 1276 - BWC Telecom - Underground Conduits Penetrating Wall Footings
DA-4382/CGMP08	0055	\$1,865		08.55 RFI 2566 - Electrical - Elevator C4EL01 Smoke Curtain Power
DA-4382/CGMP08	0056	\$19,109		08.56 CD 0651 Changes to Ceiling in Electrical and IT Rooms - CDN-071 (Electrical)
DA-4382/CGMP09	0015		\$275,745	09.15 CD 0365 Relocate Window Washing System - CDN 052 (Additiona Steel)
DA-4382/CGMP09	0016	\$69,717		09.16 CD 0651 Changes to Ceiling in Electrical and IT Rooms - CDN-071 (Masonry)
DA-4382/CGMP12	0020	\$14,729		12.20 CD 0651 Changes to Ceiling in Electrical and IT Rooms - CDN-071 (Drywall)
DA-4382/CGMP13	0013	\$18,197		13.13 CD 0290 CDN 046 - Level 4 Slab Penetrations and Louver Size and Location Changes (Louvers)
DA-4382/CGMP14	0003	\$2,833		14.03 RFI 2888 BWC Int - TA-10 Napkin/Tampon Dispenser Model B-4706 in Lieu of Model B-43500
DA-4382/CGMP14	0004	(\$19,272)		14.04 CANCELS CGMP Rev 14.02 (CD 0290 CDN 046 - Level 4 Slab Penetrations and Louver Size and Location Changes (Louvers and Paint)
DA-4382/CGMP14	0005	\$1,075		14.05 CD 0290 CDN 046 - Level 4 Slab Penetrations and Louver Size and Location Changes (Paint)
DA-4382/CGMP14	0006	\$6,587		14.06 CD 0365 Relocate Window Washing System - CDN 052 (Paint Exposed Steel)
DA-4382/CGMP14	0007	\$739		14.07 CD 0651 Changes to Ceiling in Electrical and IT Rooms - CDN-071 (Painting)
DA-4382/CGMP15	0002	\$1,293		15.02 Core Paging Location Revision at CSR and Gate Podium Millwork



# CHANGE ORDERS - Continued as of 10/31/2011

### Element

Project Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes		
<b>CUP Replacement Elem</b>	ent						
C001A - CENTRAL UTILI	TY PLANT						
DA-4554/0000	0007		\$979,434		IS-2299 Permit Changes		
DA-4554/0000	0010		\$724,934	Electrical System Design Changes			
DA-4554/0000	0011		\$181,469		Improvements to Temporary IMB		
DA-4554/0000	0012			\$1,964,000	New IS 5205 to Migrate Parking Structure/Traffic Signal Power Consumption Loads from the CUP to the Station		
Iltilities & Infrastructure	Floment						

#### Utilities & Infrastructure Element

### **Landside Element**

### Residential/Soundproofing Element

### **Terminal Element**

### T001A - ELEVATORS AND ESCALATORS REPLACEMENT

DA-4344	0010	\$25,869	Removal of Elevator T7-04 / Installation of new Jack Unit
---------	------	----------	---



## **Bradley West- Gates**

CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE)	APPROVED CHANGES (CUMMULATIVE)	SUBTOTAL	% OF CONTRACT VALUE	
DESIGN EVOLUTION	29,131,181	0	29,131,181	4.69%	
DOCUMENT CORRECTION	10,884,199	1,853,675	12,737,874	2.05%	
FIELD CONDITIONS	3,242,244	930,528	4,172,772	0.67%	
OWNER BETTERMENT	3,237,047	339,353	3,576,400	0.58%	
CODE REQUIREMENT	832,105	343,100	1,175,205	0.19%	
TOTAL	47,326,776	3,466,656	50,793,432	8.17%	



## **Bradley West- CORE**

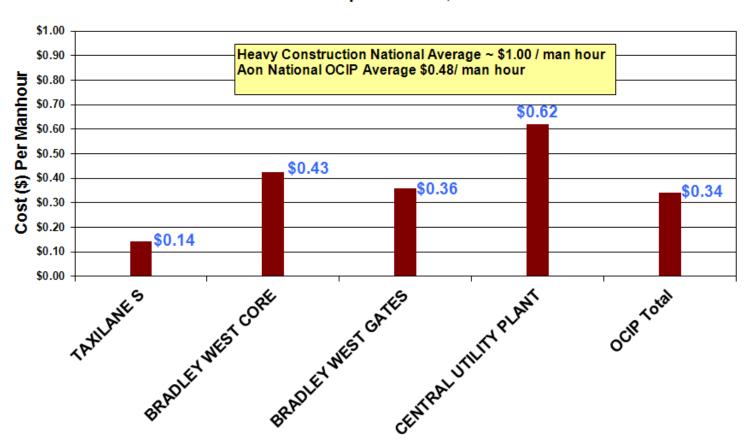
CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE)	APPROVED CHANGES (CUMMULATIVE)	SUBTOTAL	% OF CONTRACT VALUE	
DESIGN EVOLUTION	28,514,175	0	28,514,175	4.58%	
DOCUMENT CORRECTION	4,076,191	875,380	4,951,571	0.80%	
FIELD CONDITIONS	5,390,845	536,081	5,926,926	0.95%	
OWNER BETTERMENT	9,848,992	867,084	10,716,076	1.72%	
CODE REQUIREMENT	3,341,435	0	3,341,435	0.54%	
TOTAL	51,171,638	2,278,545	53,450,183	8.58%	



OCIP

as of 9/30/2011

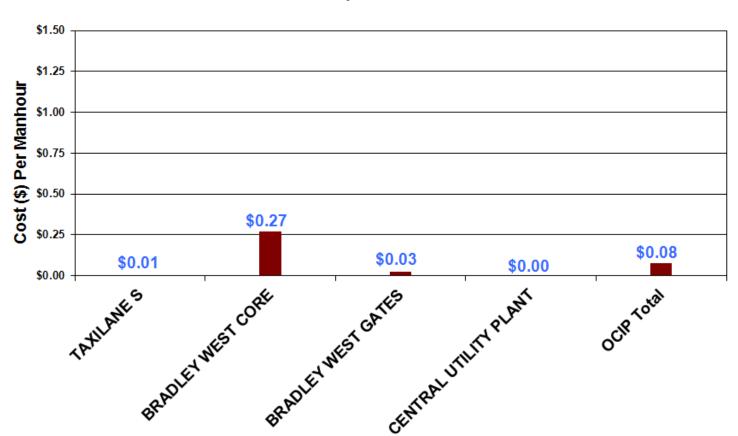
# LAWA OCIP Workers Compensation Loss Performance - as of September 30, 2011 -





OCIP - Continued as of 9/30/2011

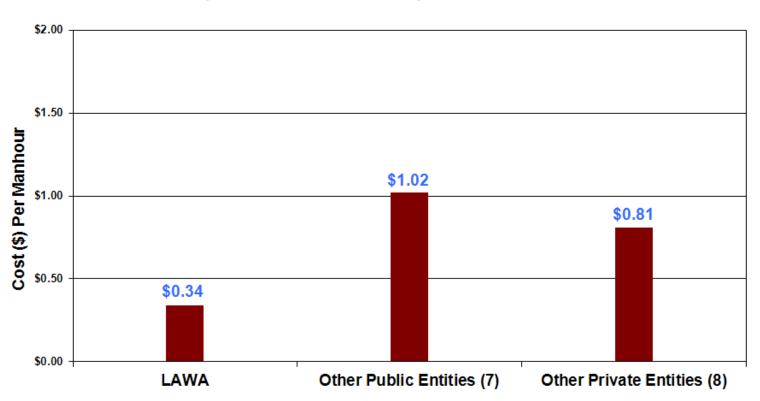
LAWA OCIP General Liability Loss Performance - as of September 30, 2011 -





OCIP - Continued as of 9/30/2011

# Current Large OCIP Projects Comparison of Workers Comp Costs Per Manhour





## MWBE/DBE

# **Subcontractor Utilization Summary Report**

## as of 9/30/2011

					Achieved Participation to Date*				
Firm	Contract No.	DBE or M/WBE Contract	Proposed Level of Participation		M/WBE		DBE		Remarks
AECOM Technical Services, Inc.	DA-4260	DBE	12.00	%	N/A	%	20.35	%	
Arcadis	DA-4413	M/WBE	20.00	%	0.00	%	N/A	%	Limited scope of work authorized to date.
CH2M Hill	DA-4414	M/WBE	22.00	%	31.31	%	N/A	%	
Clark/McCarthy Joint Venture - Design	DA-4554	M/WBE	20.10	%	7.57	%	N/A	%	
Clark/McCarthy Joint Venture - Construction	DA-4554	M/WBE	16.00	%	4.47	%	N/A	%	
Fentress Architects	DA-4274	DBE	9.30	%	3.14	%	6.57	%	
Flatiron West, Inc.	DA-4398	DBE	1.00	%	NA	%	4.68	%	
Griffith Company	DA-4338	M/WBE	6.60	%	2.18	%	N/A	%	
Griffith Company	DA-4478	M/WBE	23.70	%	23.23	%	N/A	%	
Hatch Mott MacDonald, LLC	DA-4275	DBE	11.63	%	N/A	%	20.11	%	
Hellmuth, Obata + Kassabaum, Inc.	DA-4313	M/WBE	25.00	%	38.30	%	N/A	%	
Jacobs Project Management Co.	DA-4417	M/WBE	25.00	%	8.11	%	N/A	%	MBE subcontractor approval in process.
KDG Dev + Construction Consulting	DA-4418	M/WBE	20.00	%	0.00	%	N/A	%	Limited scope of work authorized to date.
Kimley-Horn and Associates	DA-4555	DBE	20.00		N/A	%	1.55	%	In Mobilization - Limited Scope.
Parsons Transportation Group, Inc.	DA-4415	M/WBE	23.00	%	57.21	%	N/A	%	
Paslay Management Group	DA-4324	M/WBE	10.00	%	18.80	%	N/A	%	
Post, Buckley, Schuh & Jernigan, Inc.	DA-4515	DBE	24.00	%	N/A	%	30.65	%	
Praxis Integrated Communications	DA-4541	M/WBE	10.00	%	0.00	%	N/A	%	MBE subcontractor approval in process.
Vanir Construction Management, Inc.	DA-4416	M/WBE	20.00	%	15.74	%	N/A	%	
W.E. O'Neil	DA-4371	M/WBE	6.80	%	10.59	%	N/A	%	
Walsh Austin Joint Venture - Pre-Construction (Gates)	DA-4337	M/WBE	20.00	%	29.62	%	N/A	%	
Walsh Austin Joint Venture - Construction (Gates)	DA-4337	M/WBE	14.00	%	14.47	%	N/A	%	
Walsh Austin Joint Venture - Pre-Construction (Core)	DA-4382	M/WBE	20.00	%	26.65	%	N/A	%	
Walsh Austin Joint Venture - Construction (Core)	DA-4382	M/WBE	14.00	%	12.51	%	N/A	%	
Total Participation:	N/A	N/A	N/A		9.950% 4.42		4.420%		
Total Combined Participation:	Total Combined Participation: N/A N/A N/A			14.370%					

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