



# Airports Development

Executive Management

Program Status Report

June 30, 2011

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## ELEMENT OVERVIEW

### **Purpose**

This report is a tool to provide status of the Capital Projects for the Airports Development Group. The report 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).

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## 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 - 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.

### **Issues**

None at this time.

## AIRSIDE ELEMENT - Crossfield Taxiway Project (M101A)

### **Project Description**

The project entails the construction of a 3,437-foot-long by 100-foot-wide taxiway that connects Taxiway 'B' on the south and Taxiway 'E' on the north. To facilitate this construction, there will be removal of existing deteriorated concrete pavement and the removal of asphalt pavement replaced with Portland Cement Concrete (PCC) and asphalt concrete pavement. This project also constructs a new parallel service road and a replacement apron for Remain Overnight (RON) and the following facilities:

- \* Realignment of World Way West and two bridges over the road; one for aircraft crossing as a part of taxiway C13 and the other for vehicular traffic;
- \* Taxiway centerline electrical, lighting and signage;
- \* Pavement markings, including centerline, edge striping and edge reflectors; and
- \* Installation of redesigned drainage and modifications to existing utilities.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

Construction is 100% complete.

### **Budget Status**

This project completed under budget.

### **Schedule Status**

Final project acceptance completed on June 2011. Project close-out anticipated in September 2011.

### **Issues**

None.

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## **AIRSIDE ELEMENT - LAX Aircraft Rescue and Fire Fighting Facility (M107A)**

### **Project Description**

The new Aircraft Rescue and Fire Fighting Facility (ARFF) is proposed to be constructed as a replacement for the existing Fire Station No. 80. This new facility will be located on World Way West just west of Remain Over Night (RON) aircraft aprons situated relative to the mid-points of the outmost runways (Runway 6L/24R on the north and Runway 7R/25L on the south). The proposed ARFF would provide approximately 27,500 square feet of administrative office area and station living quarters within a 2-story structure, six bays for emergency vehicles along with a service bay, storage area for various emergency response equipments, and briefing and training rooms.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

Construction is 100% complete.

### **Budget Status**

The project budget reconciliation is underway.

### **Schedule Status**

The project close-out is anticipated in September 2011.

### **Issues**

None.

## **AIRSIDE ELEMENT - Bradley West - Aprons (M205A)**

### **Project Description**

The Bradley West Aprons project contains an East and West component. The Bradley West Aprons project consists of approximately 34,000 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 Core. This apron construction includes all grading, utilities, airfield signage and lighting; construction of LADWP power and communication ductbanks; and the LAWA power and communication ductbanks.

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 and including Taxiways 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**

West Aprons awarded design is 100% complete.  
East Aprons 60% design was received in June 2011.

### **Construction Progress**

The Bradley West Gates and Core - West Aprons:  
Walsh-Austin JV construction of the BW West Aprons started June 2010 and is scheduled to complete in July 2012.

East Aprons -  
The Board approved a contract amendment to include this scope in the Walsh-Austin Joint Venture contract. The item is scheduled for City Council in July 2011.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project progressing on schedule.

### **Issues**

None at this time.

## 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 awarded to Flatiron West, Inc. (FWI) on December 7, 2009.

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

The majority of the econocrete paving in Taxilane S area is complete. The contractor has completed the PCC for the west portion of Taxiway D and has begun Taxilane S PCC paving.

Construction is 49% complete for Package 1 and 2.

Construction NTP for Package 2 (Aprons) was issued on May 23, 2011.

### **Budget Status**

The project is tracking on budget.

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

### **Schedule Status**

Taxiway 'S' is anticipated to open in August 2011.

### **Issues**

- \* New storm drain construction south of the Concourse Construction Package (CCP) has been accelerated to provide construction access for Walsh Austin.
- \* Remain Overnight (RON) position 5 paving work adjacent to Taxiway Romeo will be paved by Flatiron West, Inc. (FWI) and will be completed in August 2011.
- \* FWI access to the Package 2 - Phase 3 Area (BW Aprons) has been delayed to allow Walsh Austin additional area for base steel assembly associated with the CCP. This delay in accessing this area will have schedule and cost impacts to control. The southern portion of Package 2 - Phase 3 will be occupied by CCP in August 2011.

## 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**

#### 1 - Taxilane T:

The design contract for Taxilane T was awarded to Kimley Horn & Associates on November 15, 2010.

- \* Task Order 1 (Taxilane T) was approved on February 22, 2011. Anticipating 30% design submission by end of July 2011.
- \* Task Order 2 (TWA Hangar) is pending final approval. The initial design has begun. The full design is being reviewed and negotiated.
- \* Task Order 3 (Low Bay Site Restoration) is pending final approval. Design is being coordinated with American Airlines.

#### 2 - Demo AA Low Bay Hangar and Deluge System:

The 100% design of the Demo AA Low Bay Hangar and Deluge System was completed by AECOM, Inc. and received on June 27, 2011.

#### 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.

### **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 Taxiway T, Low Bay Site Restoration and TWA preliminary design.

### **Issues**

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:

\* Deletion of the construction of the North position will require some design revisions that may impact schedule and cost.

\* Right of Entry agreement is being drafted for construction over Southern California Edison Agreement.

\* The Federal Environmental Assessment (EA) may impact project schedule.

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## AIRSIDE ELEMENT - Demolition of Existing Concourses (M210A)

### **Project Description**

Upon completion of the new Bradley West Concourses, 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.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

The concourse demolition design is being done in conjunction with the East Aprons package.

### **Construction Progress**

The concourse demolition scope is a part of the Walsh-Austin Joint Venture construction contract; but the package has not yet been bid out.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project is progressing on schedule.

### **Issues**

None at this time.

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## **AIRSIDE ELEMENT - Pavement Management Program - VNY Taxilane A2 Rehabilitation and RSA Improvements (A010A)**

### **Project Description**

This project will rehabilitate the existing asphalt concrete pavement for Taxilane A2 and construct a dual taxilane, among other improvements. Additionally, this project will improve airfield lighting and signage for Taxilane A2 and improvements on Runway Safety Area (RSA) for Runway 16L/34R.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

Construction is 100% complete.

### **Budget Status**

This project completed under budget.

### **Schedule Status**

Project was completed on May 27, 2011. Project close-out anticipated in September 2011.

### **Issues**

None.

## **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**

Enclosure and MEP (Mechanical, Electrical & Plumbing) work on North Concourse continues.  
North Concourse Restrooms and Mechanical Rooms Build Out ongoing  
Structural Steel installation at piers #134 and #132 ongoing.  
Architectural shear wall pours at North Piers continue.  
Roof Metal Decking on South Concourse continues.  
South Concourse Slab on Grade / Slab on Metal Deck Pours continue.  
Architectural shear wall pours at Gates 150, 152 and 154 ongoing.  
Steel Erection in South Area 4 is on hold.

### **Budget Status**

This project is anticipated to complete on budget (inclusive of contingency reserves).

Component Guaranteed Maximum Price 01 through 14 have been approved by the Board.

Buy out is 94% complete.

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

### Schedule Status

Gate 134 Substantial Completion

Target Date: 08/01/12 Forecast Date: Forecast Date: 10/25/12

West Gates Substantial Completion

Target Date: 12/12/12 Forecast Date: 1/25/13

East Gates Substantial Completion

Target Date: 10/19/13 Forecast Date: 11/26/13

### Issues

The April 2011 WAJV schedule submittal reports the Gate #134 substantial completion date not meeting contract milestone requirements. The introduction of activities and logic related to Permanent Power into the contract schedule has pushed the Gate #134 substantial completion passed the required finish date. It is ADG's position that these added activities should not have resulted in an impact to the Gate #134 milestone.

A collaborative effort between LAWA/ADG and WAJV is underway to update the program master schedule to incorporate all changes through May 1, 2011, as well as update the schedule with the latest planned approach for project execution. The initial schedule and approach has been presented by WAJV. Schedule review and analyses efforts are underway.

Extended work hours continue in critical areas of the construction site, and when conditions are allowable. The majority of work is single shift.

The current contract schedule update does not include key change information related to Gates Bulletins 2 through 5.

## **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 ongoing in Core Sections A, B and C.  
Core Basement Wall pours continue  
Preparation for Slab on Grade pours ongoing.

### **Budget Status**

This project is anticipated to complete on budget (inclusive of contingency reserves).  
Component Guaranteed Maximum Price 01 through 15 have been approved by the board.  
Buy out is 59% complete.

### **Schedule Status**

Core Substantial Completion  
Target Date: 12/12/12 Current Forecast Date: 1/18/13 \*\*

\*\*Current forecast date includes the results of recovery planning efforts.

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

### Issues

\*\*The New Core Construction forecast completion date is currently under review.

Core construction is currently in the Steel Erection phase, which is program Critical Path work. Any substantial delays to the steel erection process will have an effect on the New Core Substantial Completion Milestone date.

A collaborative effort between LAWA/ADG and WAJV is underway to update the program master schedule to incorporate all changes through May 1, 2011, as well as update the schedule with the latest planned approach for project execution. The initial schedule and approach has been presented by WAJV. Schedule review and analyses efforts are underway.

Extended work hours continue in critical areas of the construction site, and when conditions are allowable. The majority of work is single shift.

The WAJV April 2011 contract schedule submittal shows a completion date for New Core Construction on 5/18/13. Core Bulletin 0 schedule impacts have not yet been incorporated into the program schedule.

## **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 approximately 98% complete.

The widening for all three phases has been completed.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

The overall project is on schedule to be complete in July 2011.

### **Issues**

The contractor is working with the City of Los Angeles to complete the electrical permit work and traffic signal work at the Bradley West Drive Parking Lot.

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## 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.

### **Issues**

## **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:

Temporary Power and Associated Relocations Project (TPAR): Construction of a new substation to feed power to the existing CUP and installation of replacement switchgear to allow demolition of the CUP Maintenance Shop Building.

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.

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**

The CUP design builder, Clark/McCarthy (CMJV) anticipates completing the 30% design submittal for the Maintenance/Cooling Tower by early July 2011; and the CUP Architectural/Structural/Foundation design and permit by mid-July 2011. CMJV is developing the CUP Process Design 60% submittal.

### **Construction Progress**

The Walsh-Austin Joint Venture (WAJV) is responsible for the construction of the Temporary Power and Associated Relocations Project (TPAR). TPAR is complete, punch-list items are being resolved, and the close-out documents are being submitted to LAWA for processing.

Clark/McCarthy (CMJV) is continuing survey and potholing for design.

The Temporary Interim Maintenance Building (T-IMB) is placed in Parking Structure P2B and utilities are connected. LAWA has determined that the T-IMB can replace the Interim Maintenance building (IMB) that was scoped as part of CMJV's contract; and is processing a change order to that contract to removed the IMB scope.

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

### **Budget Status**

This project is tracking to budget.

### **Schedule Status**

CMJV's baseline schedule was resubmitted, however, a few items remain to be addressed before approving. Corrections to be made in next submittal.

The project is currently on schedule.

### **Issues**

Potholing activity has uncovered unforeseen/undocumented utilities in the Central Terminal Area (CTA) which will be incorporated into the design of the new distribution piping system.

A number of design issues were resolved with DWP; however, changes to CMJV scope were required as a result.

Change Directive 16R2 was issued for several final utility reroutes and capping utilities at the existing maintenance shop. This scope of work can now be implemented as the IS686 and shop buildings are unoccupied.

Change request for IS2299 permit and DWP electrical system changes have been received by CMJV and are being reviewed.

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## UTILITIES & INFRASTRUCTURE ELEMENT - Airport Response Coordination Center (ARCC) (U009A)

### **Project Description**

This project will provide a centralized response coordination center on the 4th floor of the existing Badging Building located at 7333 World Way West at Los Angeles International Airport (LAX). The project will improve efficiency and communication for day to day operations and response to incidents by collocating various shared operational functionalities into one consolidated location. The new Airport Response Coordination Center will co-locate Airfield Operations, Terminal Operations, Construction and Maintenance, non-emergency Airport Police functions, and traffic management staff into a joint use facility. This new office environment, will utilize information technology for audio, video, CCTV, voice, network, Cable TV connections, PCs, and associated video wall and peripherals to improve situational awareness and communication among various Divisions and staff at LAX.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

The construction contract was awarded to Technion Contractors, Inc. (TCI) on May 17, 2010 and the Notice to Proceed for construction was issued to TCI on June 14, 2010.

The ARCC went operational on December 15, 2010; and all LADBS building permits have been signed-off and finalized.

LAWA has executed the Final Change Order. Final Pay Request and "Notification of Acceptance of Contract" are being processed and finalized.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project was substantially completed and the ARCC began live operations on December 15, 2010. Final contract acceptance is being processed and finalized; and the project close-out is anticipated in September 2011.

### **Issues**

None at this time.

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## **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. These repairs are summarized below.

- The removal and replacement of six expansion joints
- The repair of six to eight expansion joints
- The patching of concrete deck cracks and spalls, as needed
- The installation of methacrylate surface coating on 17 deck frames.

### **Planning and Programming Status**

This effort is in the business analysis and initiation phase.

### **Design Progress**

The designer selection process is underway.

### **Construction Progress**

No construction contract awarded.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project is trending on schedule.

### **Issues**

None at this time.

## **LANDSIDE ELEMENT - Coastal Dunes Improvement Project (L012A)**

### **Project Description**

This project proposes to restore the coastal dunes to a natural state by the removal of the existing pavements from the abandoned streets and sidewalks, backfilling the area with select soils and the planting and/or seeding with native coastal plants. This project is a requirement of the 2006 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.

### **Construction Progress**

No construction contract awarded.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project is trending on schedule.

### **Issues**

None at this time.

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## **LANDSIDE ELEMENT - AOA Perimeter Fence (World Way West) Phase 3 (L003A)**

### **Project Description**

This project will enhance approximately 2.2 miles of fence from Taxiway AA to Coast Guard Road of LAX and will be constructed in the same manner as Phases 1 and 2. This project also provides security lighting and electrical duct banks along portions of World Way West from Taxiway AA to Coast Guard Road.

### **Planning and Programming Status**

Project Definition is complete.

### **Design Progress**

Design is 100% complete.

### **Construction Progress**

Construction contract awarded to Griffith Company December 8, 2008.

Notice to Proceed issued January 22, 2009.

Construction is 100% complete including final punch list items.

### **Budget Status**

This project has been completed under budget.

### **Schedule Status**

This project has been completed.

Final Change Orders and Payment Request are completed.

Notice of Acceptance of the project has been filed with the County Recorder.

### **Issues**

None at this time.

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## 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**

Corlett Skaer & DeVoto was selected for a Short Form Contract not to exceed \$150,000. NTP has been issued to design plans on 78 units.

### **Construction Progress**

Various Construction Contracts ongoing.  
This component of the Noise Mitigation / Soundproofing Program is 89% complete.

### **Budget Status**

This project is trending to complete on budget.

### **Schedule Status**

This project is on track to be completed in 2012.

### **Issues**

None 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 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, enunciator 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**

No design contract awarded.

### **Construction Progress**

The authorization to advertise for a construction contract was approved in December 2010 and advertised on May 12, 2011. Construction bids were received in June 2011. No construction contract awarded.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project is trending on schedule.

### **Issues**

None at this time.

## **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 80% complete.

### **Construction Progress**

Priority I Site Mods - Construction contract awarded to W.E. O'Neil Construction Company on August 17, 2009 - Construction is 80% complete.

Priority II - Procurement - Fabrication is at 15%. The first two units were installed in June 2011.

Priority II-IV Site Mods - Original bids were rejected due to scope change. The modified scope is expected to re-advertise in July 2011.

Priority II-IV GC 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 is projected to extend to mid-December 2011 due to access issues in Terminal 5.

Resequencing future work is underway and Milestone extensions are being issued to account for compensable delays. A forthcoming Change Order to extend the contract duration is being prepared for Board action July 2011.

### **Issues**

Sequence of work at Terminal 6 will cause delays to the current KONE contract. A forthcoming Change Order to extend KONE's contract is being prepared for 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 - Interim Taxiway Safety Improvement Project (ITSIP) (A006B)**

### **Project Description**

The Interim Taxiway Safety Improvement Project (ITSIP) relocates three high-speed exit taxiways between the North Airfield Runways. The relocated taxiways reduce the likelihood and severity of potential runway incursions without significant impacts to runway occupancy and operational efficiency. The construction elements include demolition and decommissioning of existing taxiways, construction of new taxiways using concrete and asphalt pavement, pavement striping and marking, airfield lighting modifications and modifications to navigational equipment, as needed.

### **Issues**

The design was awarded to Post, Buckley, Schuh & Jernigan, Inc. (PBS&J) in September 2010. The scoping and cost validation work is underway.

---

## **WORK IN PROGRESS - Pavement Management Program - VNY Taxi Lane A2 Rehabilitation - Phase 2 (A010B)**

### **Project Description**

This project is the second and last phase of pavement rehabilitation for Taxi Lane A2 at Van Nuys Airport. This complete rehabilitation of the taxi lane 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.

### **Issues**

Construction bids were received May 2011.

---

## 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**

The 30% design submittal is progressing.

---

## **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**

The 30% design submittal is being finalized.

---

## **WORK IN PROGRESS - AOA Perimeter Fence Requirement - Phase 4 (L014A)**

### **Project Description**

This phase of the project will enhance the security of the Airport Operation Areas (AOA) perimeter fencing along Imperial Highway, Aviation and Century Boulevards by either replacing the existing fencing or by providing additional proactive security measures similar to those that are already in place along all other portions of the AOA at LAX. 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 security standards.

### **Issues**

The authorization to advertise for a construction contract was approved in February 2011; and construction bids were received in June 2011.

---

## WORK IN PROGRESS - VNY Soundproofing (S008A)

### **Project Description**

The Van Nuys program consists of soundproofing 1,049 eligible dwelling units. Typical improvements include, but are not limited to, 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.

At this time, 53-units are ready to be included in a construction contract. The owners of these units have signed and approved the scopes of work, installation agreements and have submitted proof of ownership. Completion of these units will complete the current VNY Soundproofing Program that started in 2000.

### **Issues**

The Board report recommending award of this contract is forecast for the August 2011 meeting.

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## PROGRAM MASTER SCHEDULE OVERVIEW

### User's Guide - Schedule

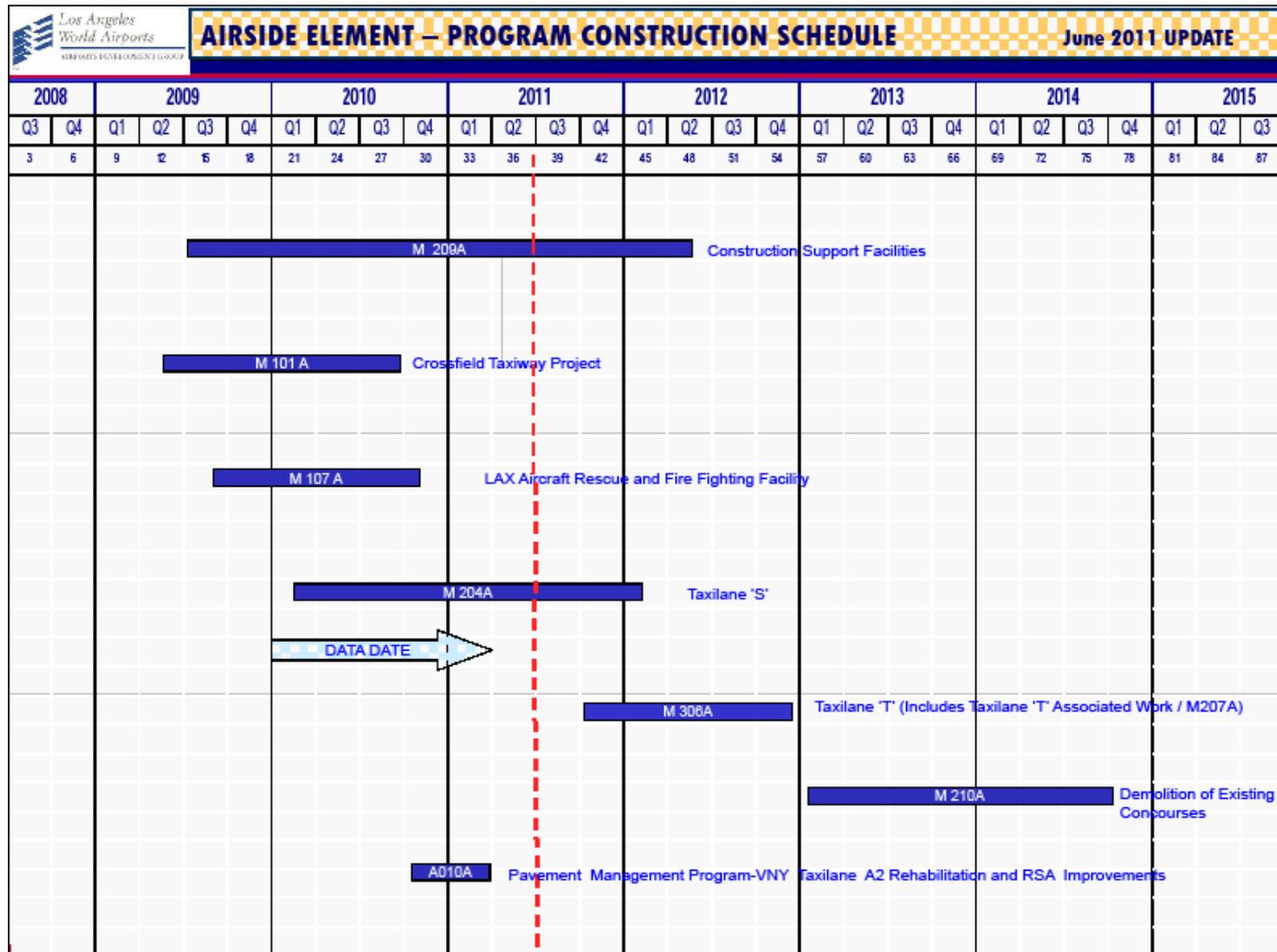
The information provided herein is designed to furnish users of the Airport Development Group (ADG) Program Construction Schedule Report with greater knowledge and a better understanding of the composition of the various components of the schedule report.

**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.

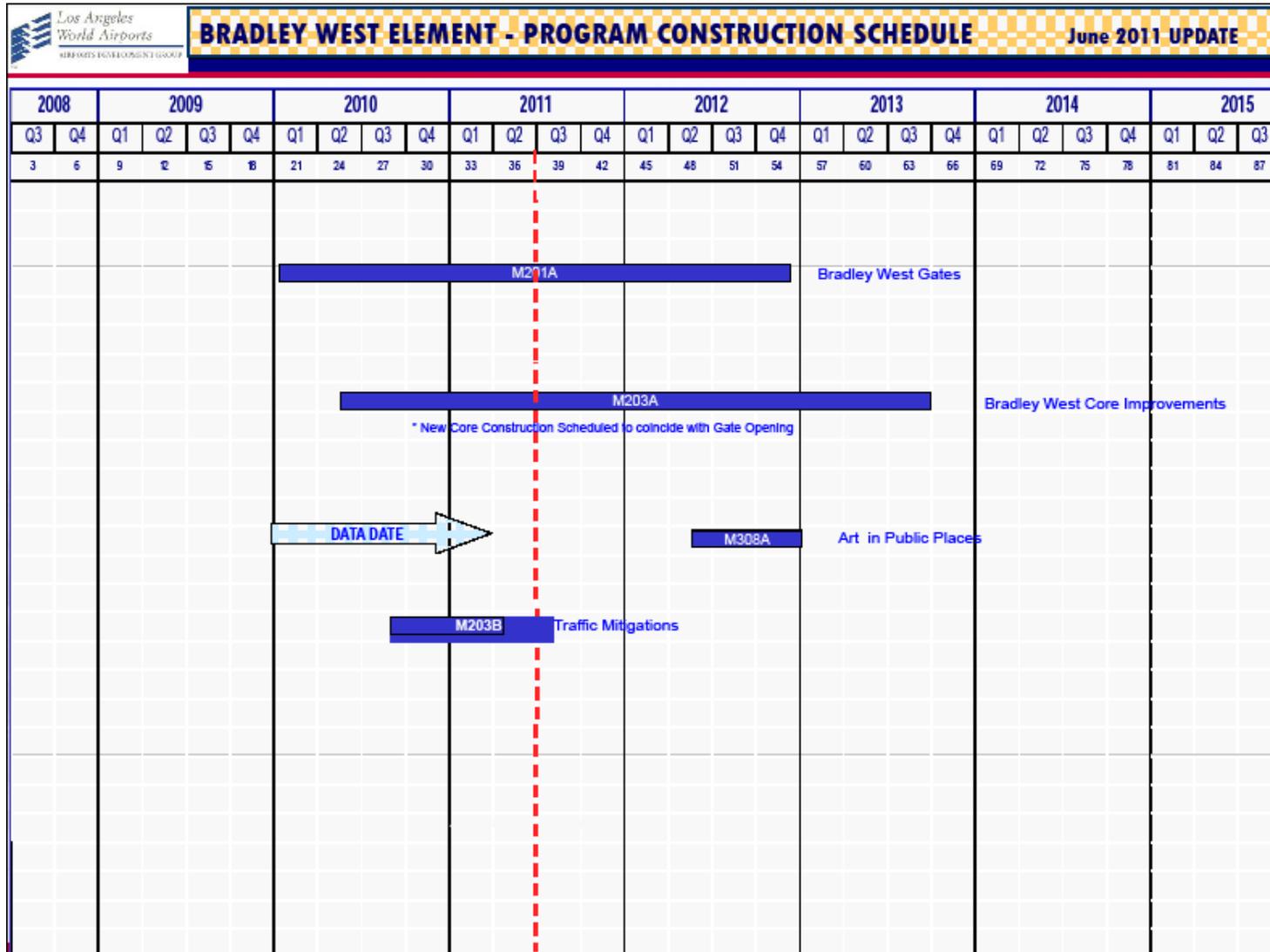
**Project Schedule Bar** - Is the blue bar which represents the construction phase for each project; with the exception of the Residential / Soundproofing projects which contains planning, design and construction phases.

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

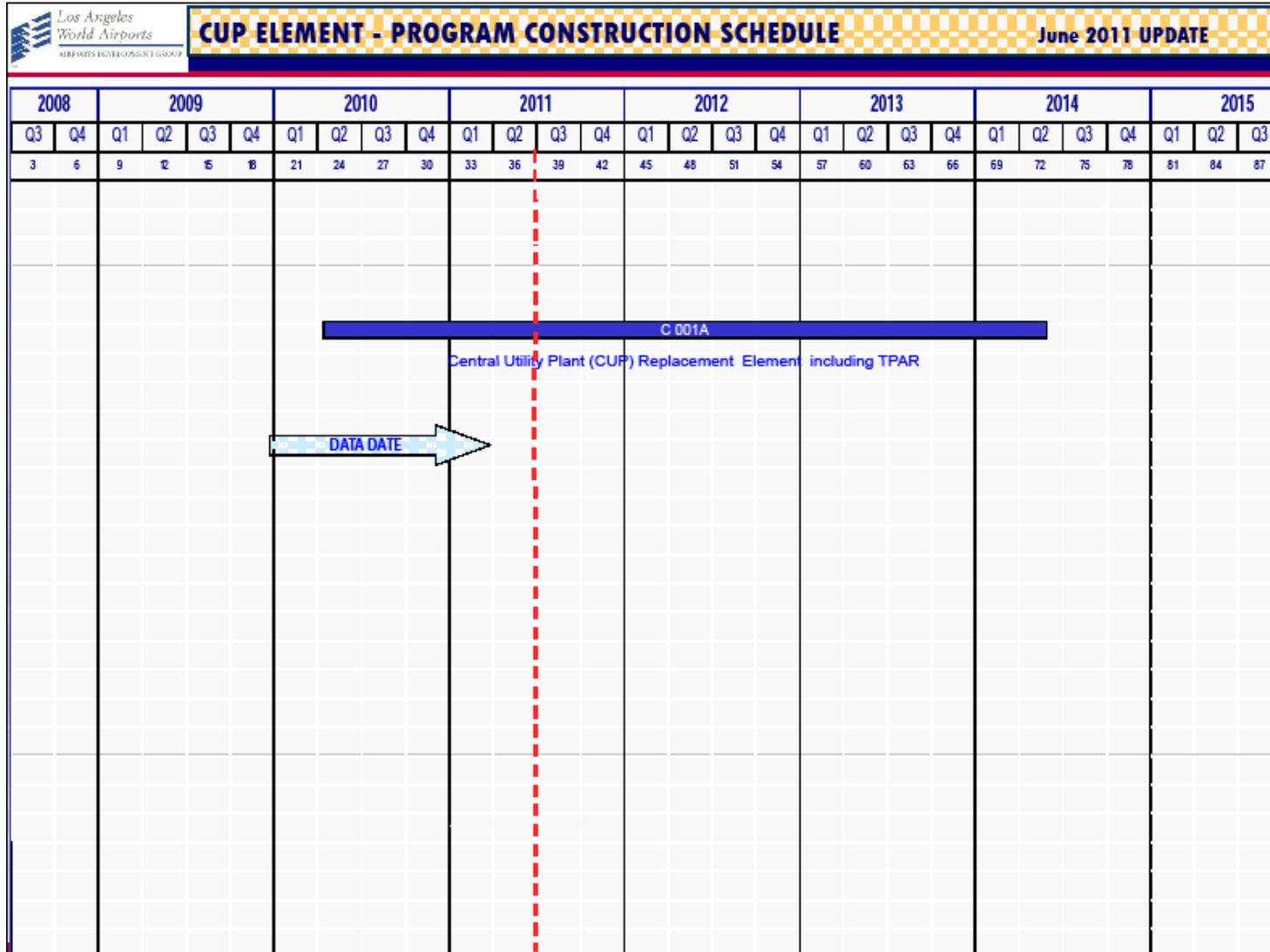
## PROGRAM MASTER SCHEDULE - Continued



# PROGRAM MASTER SCHEDULE - Continued



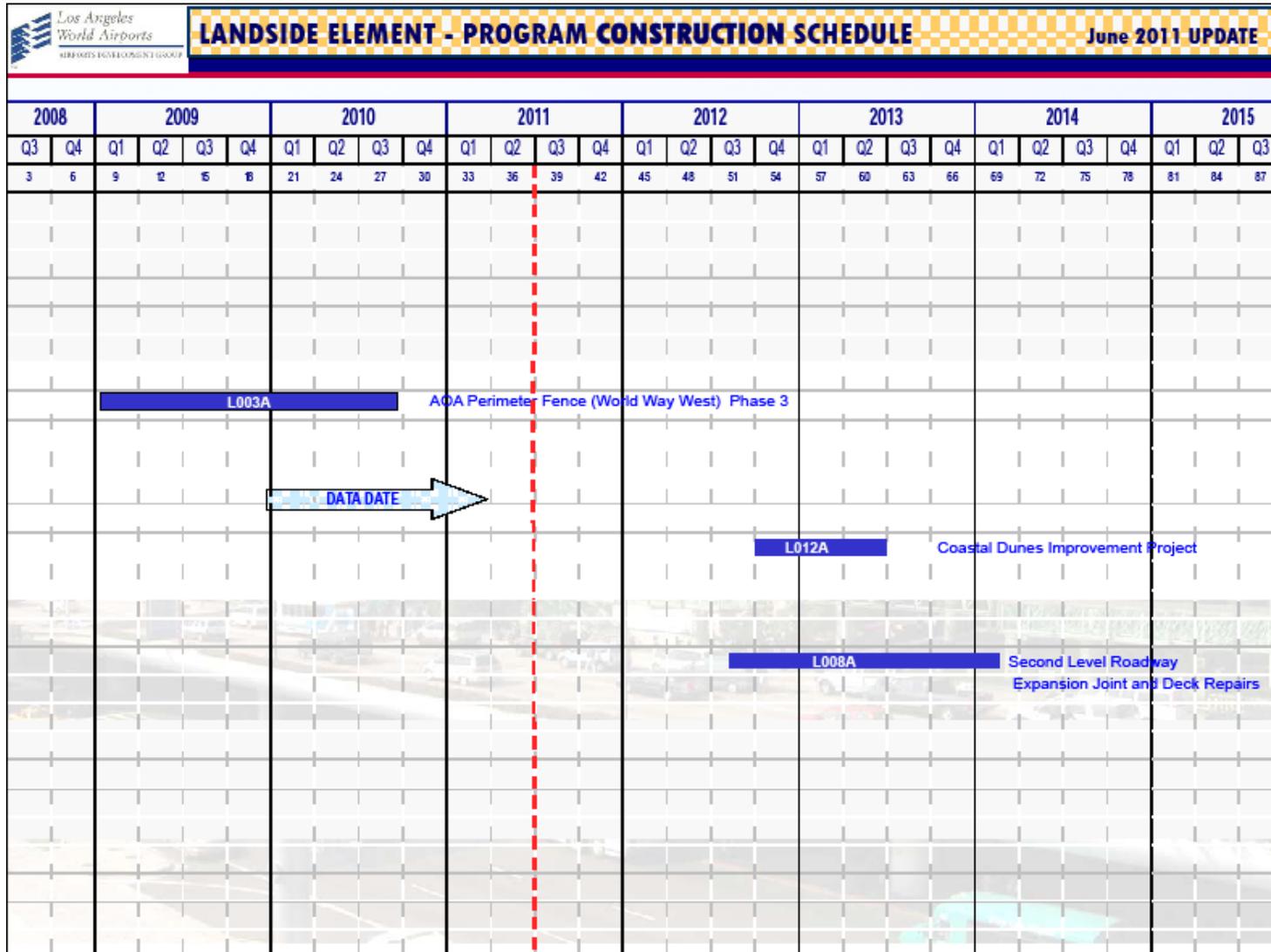
# PROGRAM MASTER SCHEDULE - Continued



# PROGRAM MASTER SCHEDULE - Continued

 <b>UTILITIES &amp; INFRASTRUCTURES ELEMENT - PROGRAM CONST. SCHEDULE</b> June 2011 UPDATE																																										
2008			2009				2010				2011				2012				2013				2014				2015															
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														
																																										
												Airport Response Coordination Center (ARCC)																														

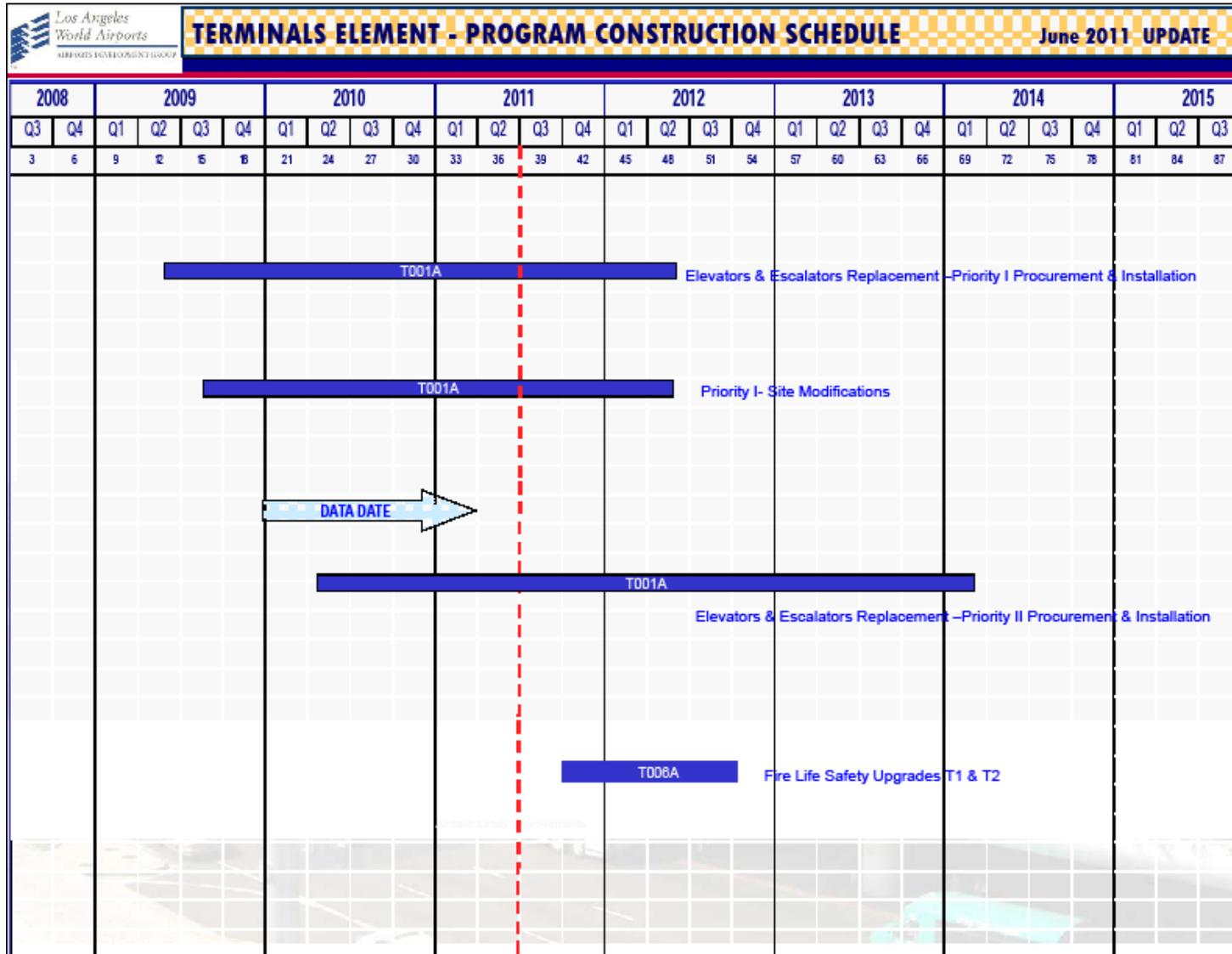
# PROGRAM MASTER SCHEDULE - Continued



## PROGRAM MASTER SCHEDULE - Continued

		<b>RESIDENTIAL/ SOUNDPROOFING ELEMENT- PROGRAM SCHEDULE</b>																												<b>June 2011 UPDATE</b>		
2008		2009				2010				2011				2012				2013				2014				2015						
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				
S002A														Noise Mitigation / Soundproofing ( City of LA )																		
																																

# PROGRAM MASTER SCHEDULE - Continued



### 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 5/31/2011

(dollars in thousands)								
Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
Airside Element	650,660	654,559	354,942	257,661	612,265	42,294	42%	60%
Bradley West Element	1,545,020	1,547,803	1,131,554	458,668	1,461,685	86,118	31%	15%
CUP Replacement Element	438,085	438,085	339,839	69,670	384,727	53,358	18%	1%
Utilities & Infrastructure Element	8,175	13,914	13,639	12,566	13,730	185	92%	100%
Landside Element	39,062	39,062	14,685	14,598	34,699	4,363	42%	48%
Residential/Soundproofing Element	180,000	160,000	148,326	142,241	160,000	0	89%	0%
Terminal Element	275,300	246,326	98,211	48,551	207,061	39,265	23%	12%
<b>Subtotal</b>	<b>3,136,302</b>	<b>3,099,749</b>	<b>2,101,196</b>	<b>1,003,955</b>	<b>2,874,167</b>	<b>225,583</b>	<b>35%</b>	<b>23%</b>
Unallocated Contingency	N/A	312,370	0	0	N/A	N/A	N/A	N/A
<b>Subtotal</b>	N/A	<b>3,412,119</b>	<b>2,101,196</b>	<b>1,003,955</b>	N/A	N/A	N/A	N/A
Work in Progress	N/A	N/A	6,889	980	N/A	N/A	N/A	N/A
<b>Program Total</b>	N/A	<b>3,412,119</b>	<b>2,108,085</b>	<b>1,004,935</b>	N/A	N/A	N/A	N/A

Notes:

1. The current budget and estimate at completion excludes escalation

## AIRSIDE ELEMENT BUDGET REPORT as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
M209A	Construction Support Facilities	14,790	8,425	7,157	6,412	7,309	1,116	88%	40%
M101A	Crossfield Taxiway Project	177,760	145,678	143,550	132,317	137,977	7,701	96%	95%
M107A	LAX Aircraft Rescue and Fire Fighting Facility	14,190	14,190	13,951	13,755	14,053	137	98%	98%
M205A	Bradley West - Aprons	111,870	111,870	25,313	14,223	103,522	8,348	14%	2%
M204A	Taxilane 'S'	174,980	157,618	146,278	77,682	156,266	1,352	50%	80%
M306A	Taxilane 'T'	96,500	156,208	11,895	7,311	144,898	11,310	5%	0%
M210A	Demolition of Existing Concourses	52,600	52,600	1,851	1,723	43,604	8,996	4%	0%
A010A	Pavement Management Program - VNY Taxilane A2 Rehabilitation and RSA Improvements	7,970	7,970	4,947	4,238	4,636	3,334	91%	11%
<b>Airside Element Total</b>		<b>650,660</b>	<b>654,559</b>	<b>354,942</b>	<b>257,661</b>	<b>612,265</b>	<b>42,294</b>	<b>42%</b>	<b>60%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## BRADLEY WEST ELEMENT BUDGET REPORT

as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
M201A	Bradley West Gates	742,954	744,879	641,713	289,891	728,335	16,544	40%	30%
M203A	Bradley West Core Improvements	793,164	795,089	482,333	167,037	725,812	69,277	23%	0%
M203B	Construction Traffic Mitigations	3,542	2,475	2,148	1,740	2,178	297	80%	34%
M308A	Art In Public Places	5,360	5,360	5,360	0	5,360	0	0%	0%
<b>Bradley West Element Total</b>		<b>1,545,020</b>	<b>1,547,803</b>	<b>1,131,554</b>	<b>458,668</b>	<b>1,461,685</b>	<b>86,118</b>	<b>31%</b>	<b>15%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## CUP REPLACEMENT ELEMENT BUDGET REPORT

as of 5/31/2011

(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	438,085	438,085	339,839	69,670	384,727	53,358	18%	1%
<b>CUP Replacement Element Total</b>		<b>438,085</b>	<b>438,085</b>	<b>339,839</b>	<b>69,670</b>	<b>384,727</b>	<b>53,358</b>	<b>18%</b>	<b>1%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## UTILITIES & INFRASTRUCTURE ELEMENT BUDGET REPORT

as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
U009A	Airport Response Coordination Center (ARCC)	8,175	13,914	13,639	12,566	13,730	185	92%	100%
<b>Utilities &amp; Infrastructure Element Total</b>		<b>8,175</b>	<b>13,914</b>	<b>13,639</b>	<b>12,566</b>	<b>13,730</b>	<b>185</b>	<b>92%</b>	<b>100%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## LANDSIDE ELEMENT BUDGET REPORT

as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
L008A	Second Level Roadway Expansion Joint and Deck Repairs	18,900	18,900	6	2	17,500	1,400	0%	0%
L012A	Coastal Dunes Improvement Project	3,000	3,000	260	214	2,780	220	8%	0%
L003A	AOA Perimeter Fence (World Way West) Phase 3	17,162	17,162	14,419	14,382	14,419	2,743	100%	100%
<b>Landside Element Total</b>		<b>39,062</b>	<b>39,062</b>	<b>14,685</b>	<b>14,598</b>	<b>34,699</b>	<b>4,363</b>	<b>42%</b>	<b>48%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## RESIDENTIAL/SOUNDPROOFING ELEMENT BUDGET REPORT

as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
S002A	Noise Mitigation/Soundproofing (City of LA)	180,000	160,000	148,326	142,241	160,000	0	89%	0%
<b>Residential/Soundproofing Element Total</b>		<b>180,000</b>	<b>160,000</b>	<b>148,326</b>	<b>142,241</b>	<b>160,000</b>	<b>0</b>	<b>89%</b>	<b>0%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## TERMINAL ELEMENT BUDGET REPORT as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
T006A	Fire Life Safety System Upgrades T1 & T2	5,300	5,300	280	268	3,473	1,827	8%	0%
T001A	Elevators and Escalators Replacement	270,000	241,026	97,931	48,283	203,588	37,438	24%	12%
<b>Terminal Element Total</b>		<b>275,300</b>	<b>246,326</b>	<b>98,211</b>	<b>48,551</b>	<b>207,061</b>	<b>39,265</b>	<b>23%</b>	<b>12%</b>

Notes:

1. The current budget and estimate at completion excludes escalation

## WORK IN PROGRESS BUDGET REPORT

as of 5/31/2011

(dollars in thousands)									
Project #	Description	Baseline Budget	Current Budget	Committed to Date	Incurred to Date	Estimate at Completion	Variance (Budget-EAC)	% Incurred	% Cont Used
A010B	Pavement Management Program - VNY Taxi Lane A2 Rehabilitation - Phase 2	N/A	N/A	0	0	N/A	N/A	N/A	N/A
A012A	Runway Safety Area Improvements Project - South Side	N/A	N/A	0	0	N/A	N/A	N/A	N/A
A014A	Runway 25R East End Reconstruction - (Including Taxiways B & C)	N/A	N/A	0	0	N/A	N/A	N/A	N/A
L014A	AOA Perimeter Fence Requirement - Phase 4	N/A	N/A	135	43	N/A	N/A	N/A	N/A
S008A	VNY Soundproofing	N/A	N/A	0	0	N/A	N/A	N/A	N/A
A006B	Interim Taxiway Safety Improvement Project (ITSIP)	N/A	N/A	6,754	937	N/A	N/A	N/A	N/A
<b>Work in Progress Element Total</b>		N/A	N/A	<b>6,889</b>	<b>980</b>	N/A	N/A	N/A	N/A

Notes:

1. The current budget and estimate at completion excludes escalation

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## 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.

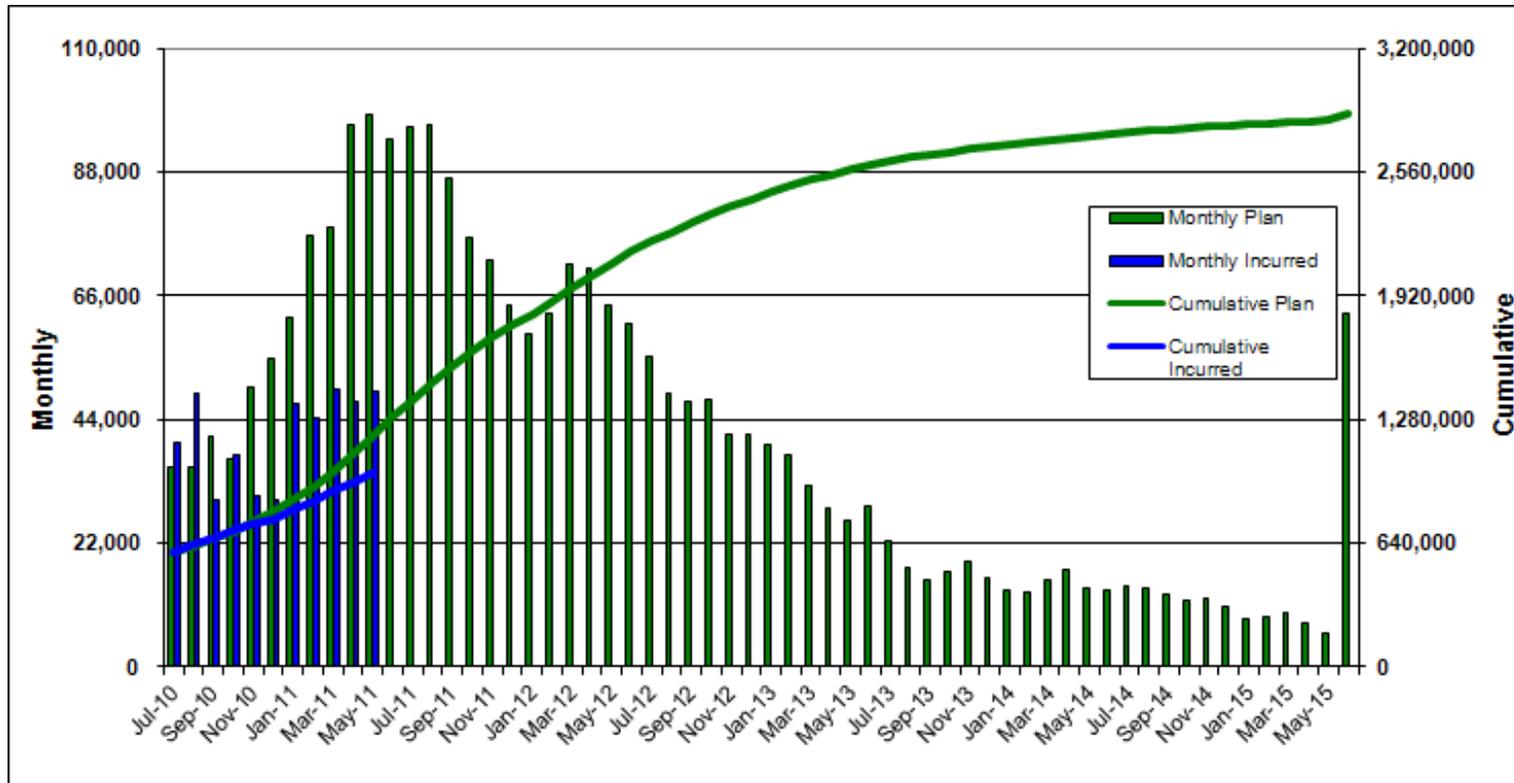
Monthly Incurred - Is the cost of the work actually completed and invoiced for a given month.

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.

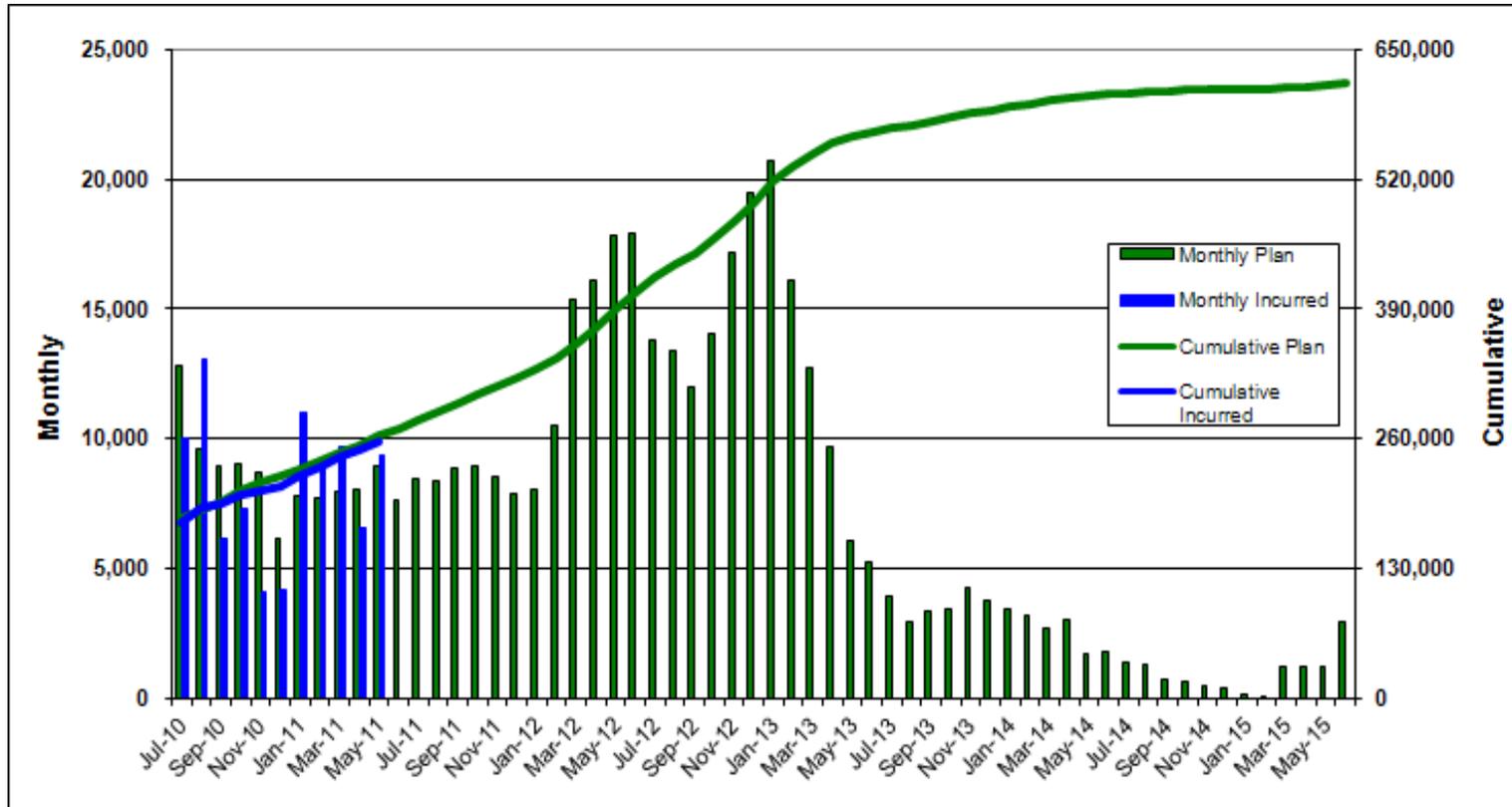
# PROGRAM CASH FLOW

as of 5/31/2011



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

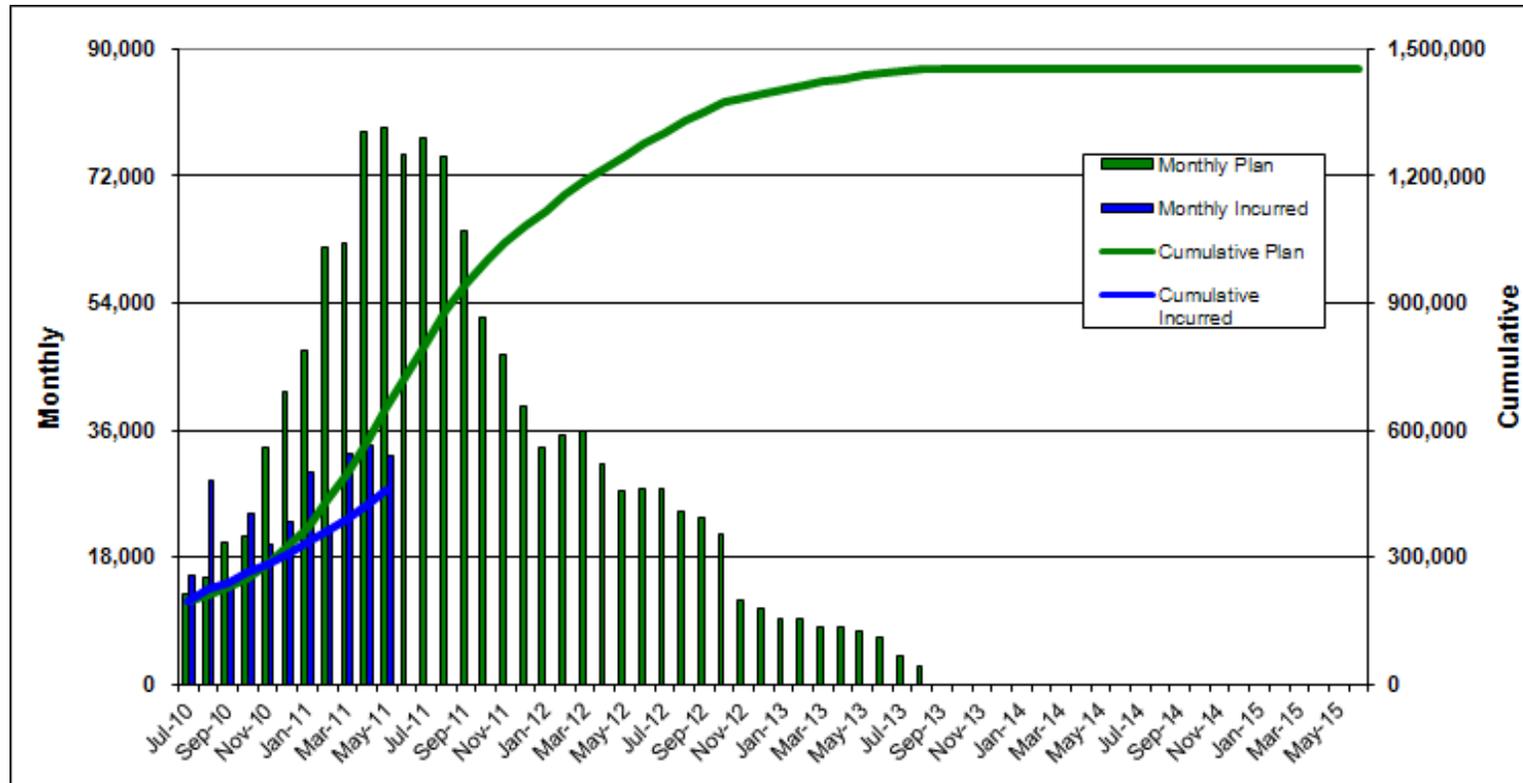
## AIRSIDE ELEMENT CASH FLOW as of 5/31/2011



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

## BRADLEY WEST ELEMENT CASH FLOW

as of 5/31/2011

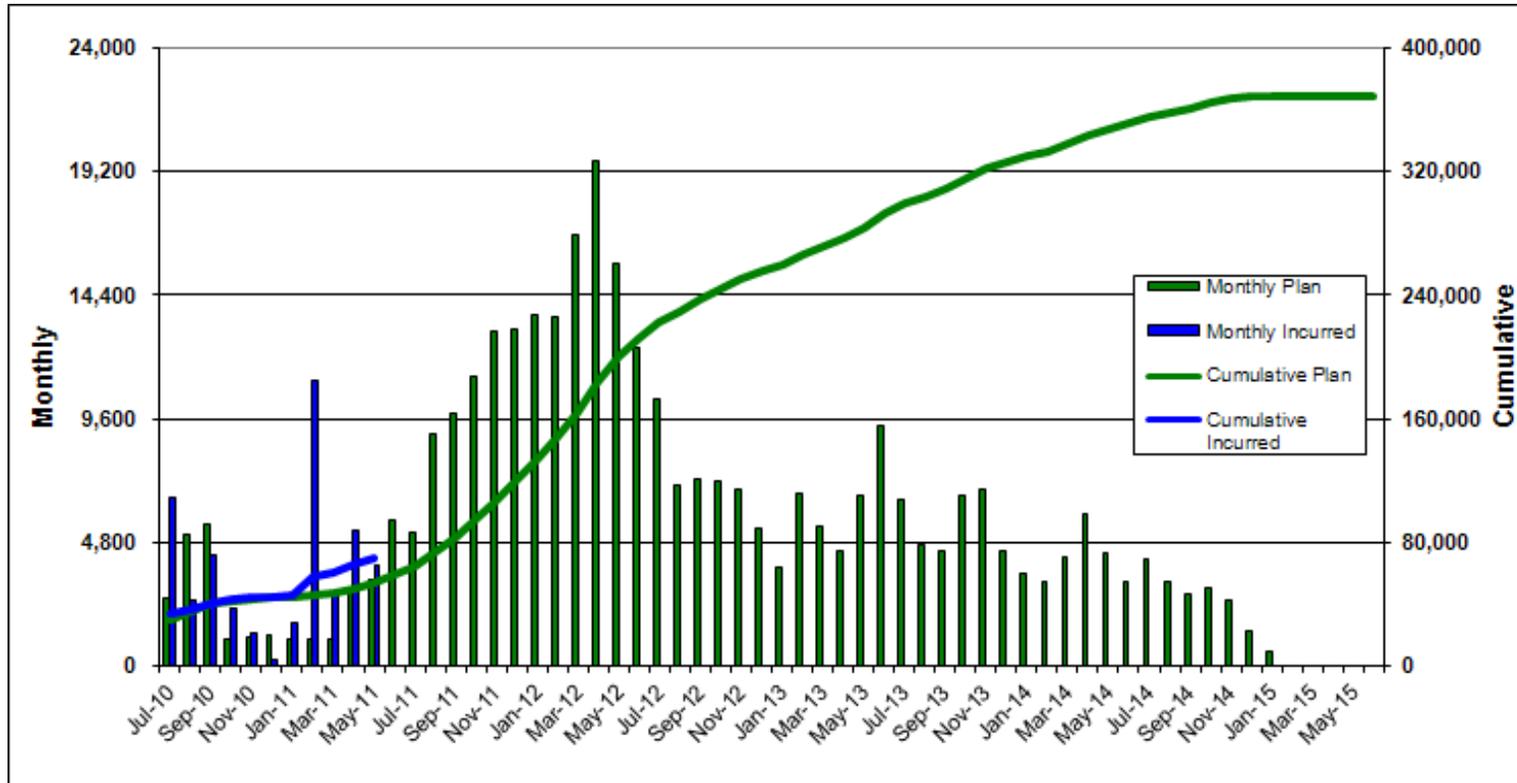


Notes:

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

# CUP REPLACEMENT CASH FLOW

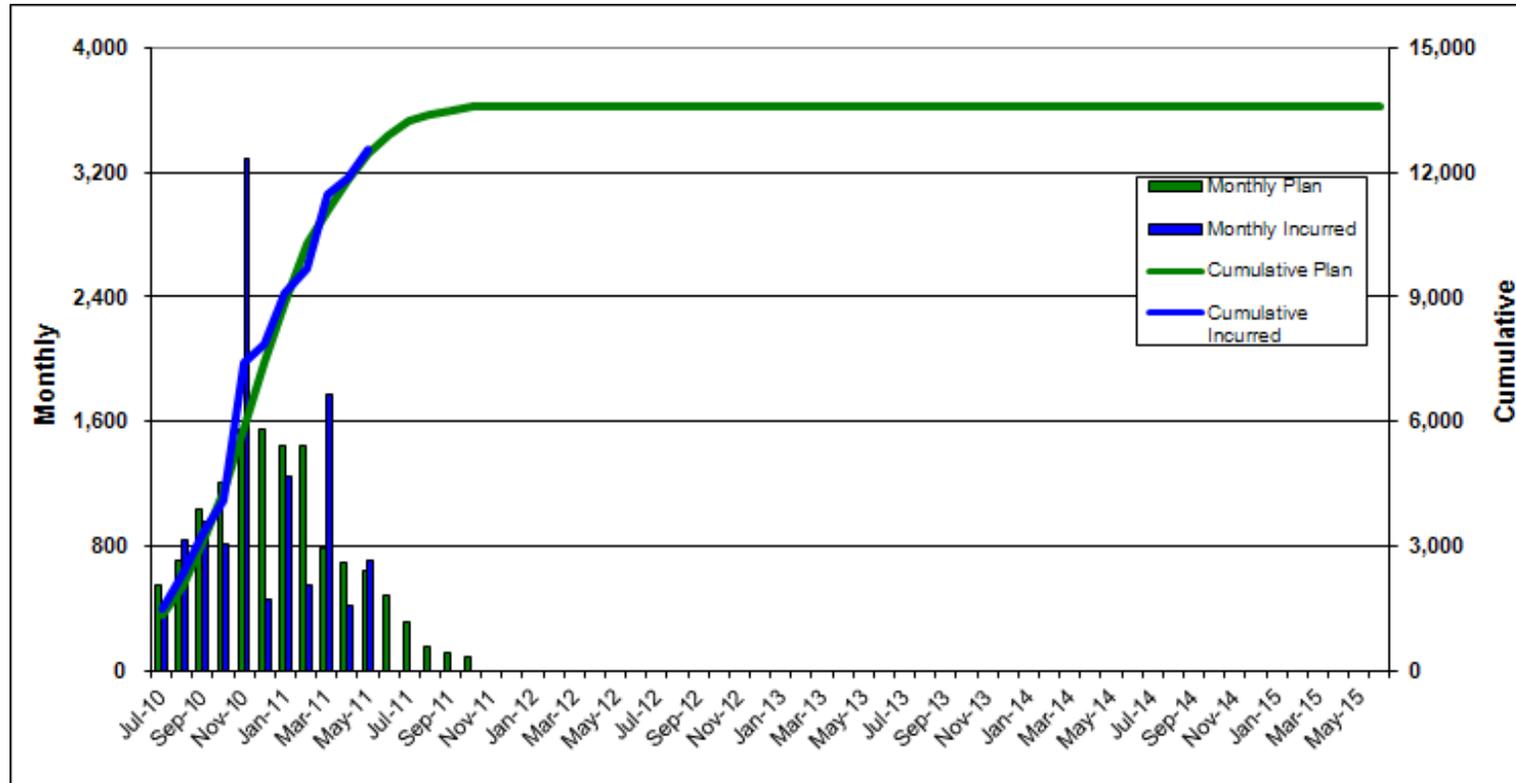
as of 5/31/2011



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

## UTILITIES & INFRASTRUCTURE ELEMENT CASH FLOW

as of 5/31/2011

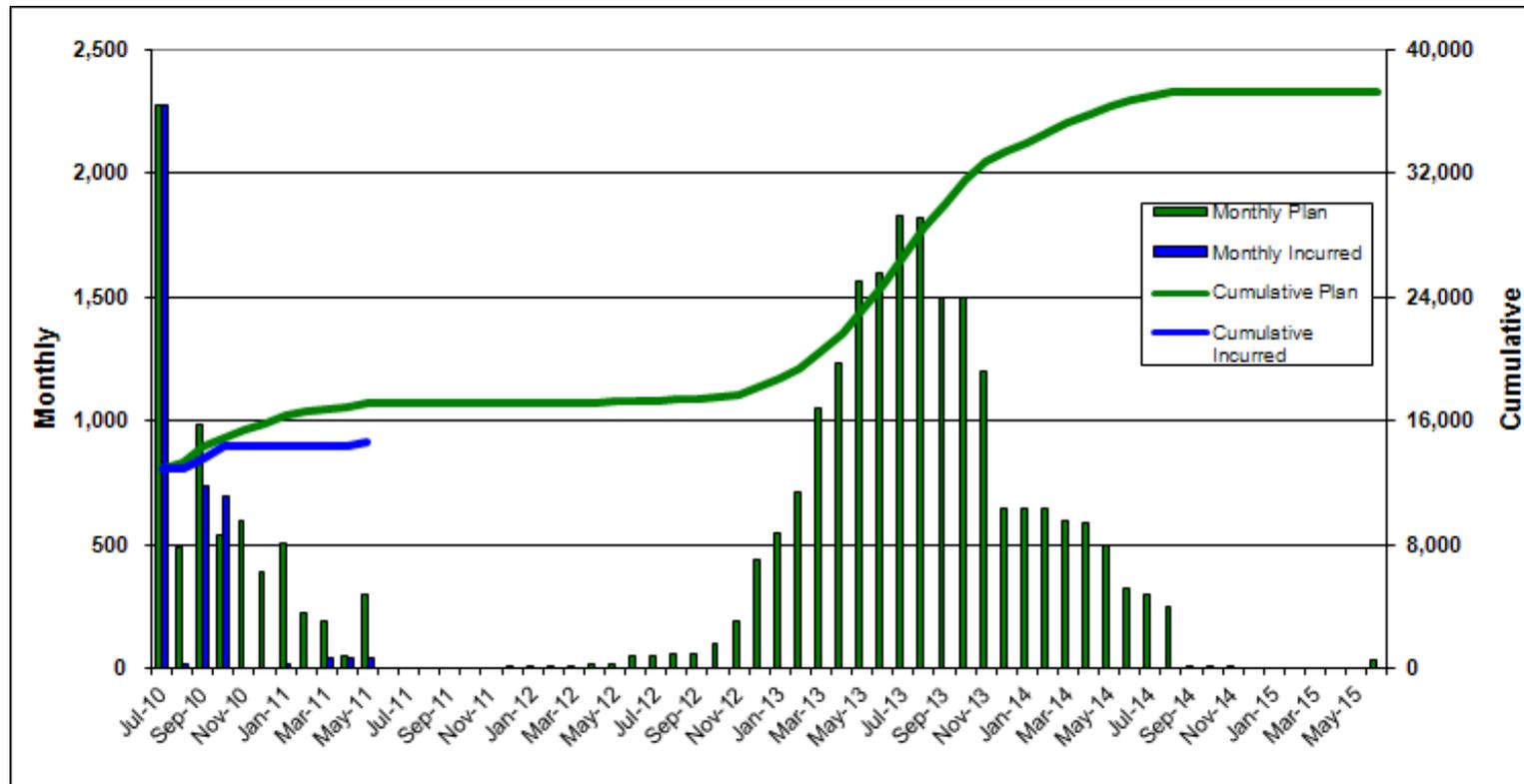


Notes:

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

# LANDSIDE ELEMENT CASH FLOW

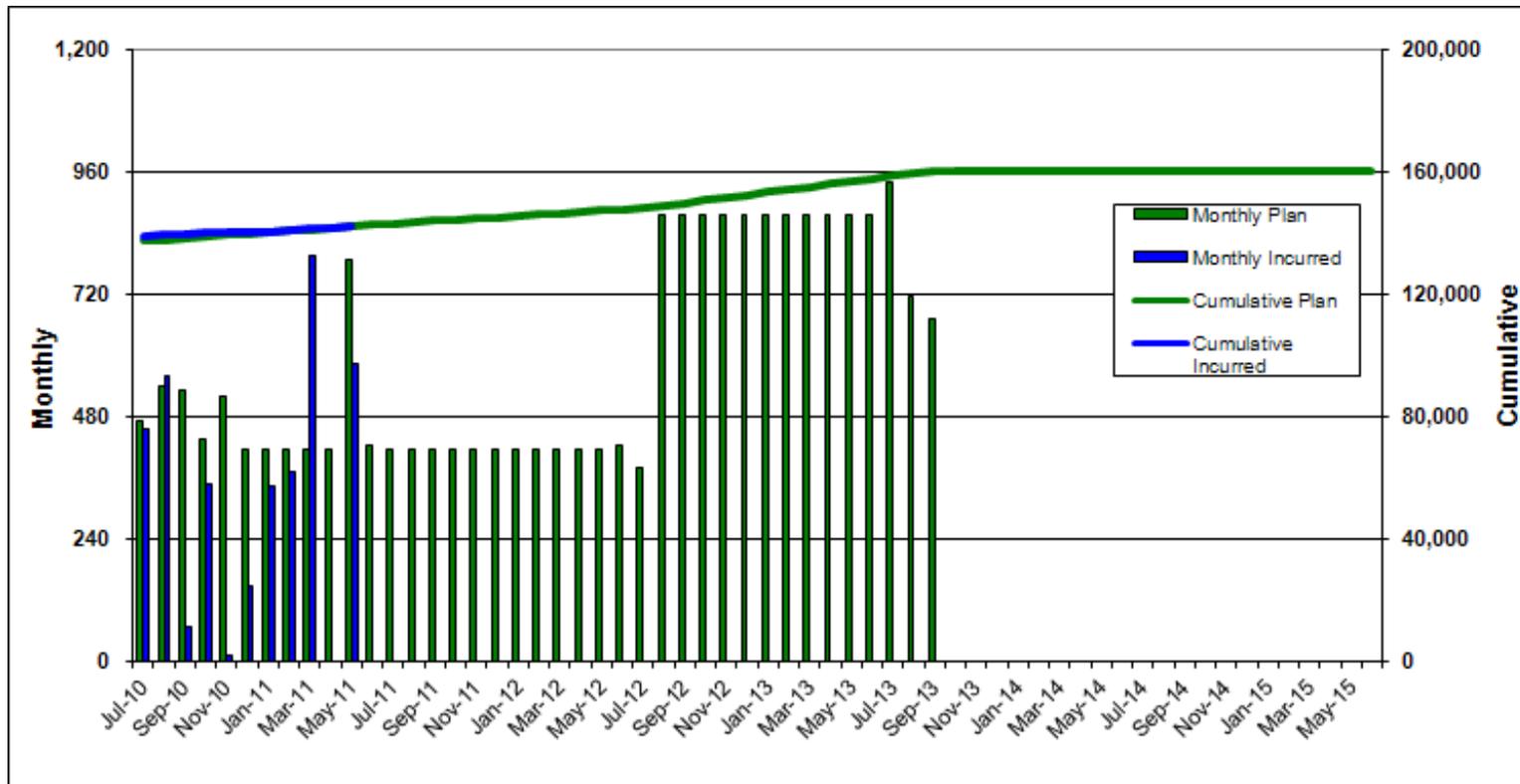
as of 5/31/2011



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

## RESIDENTIAL/SOUNDPROOFING ELEMENT CASH FLOW

as of 5/31/2011

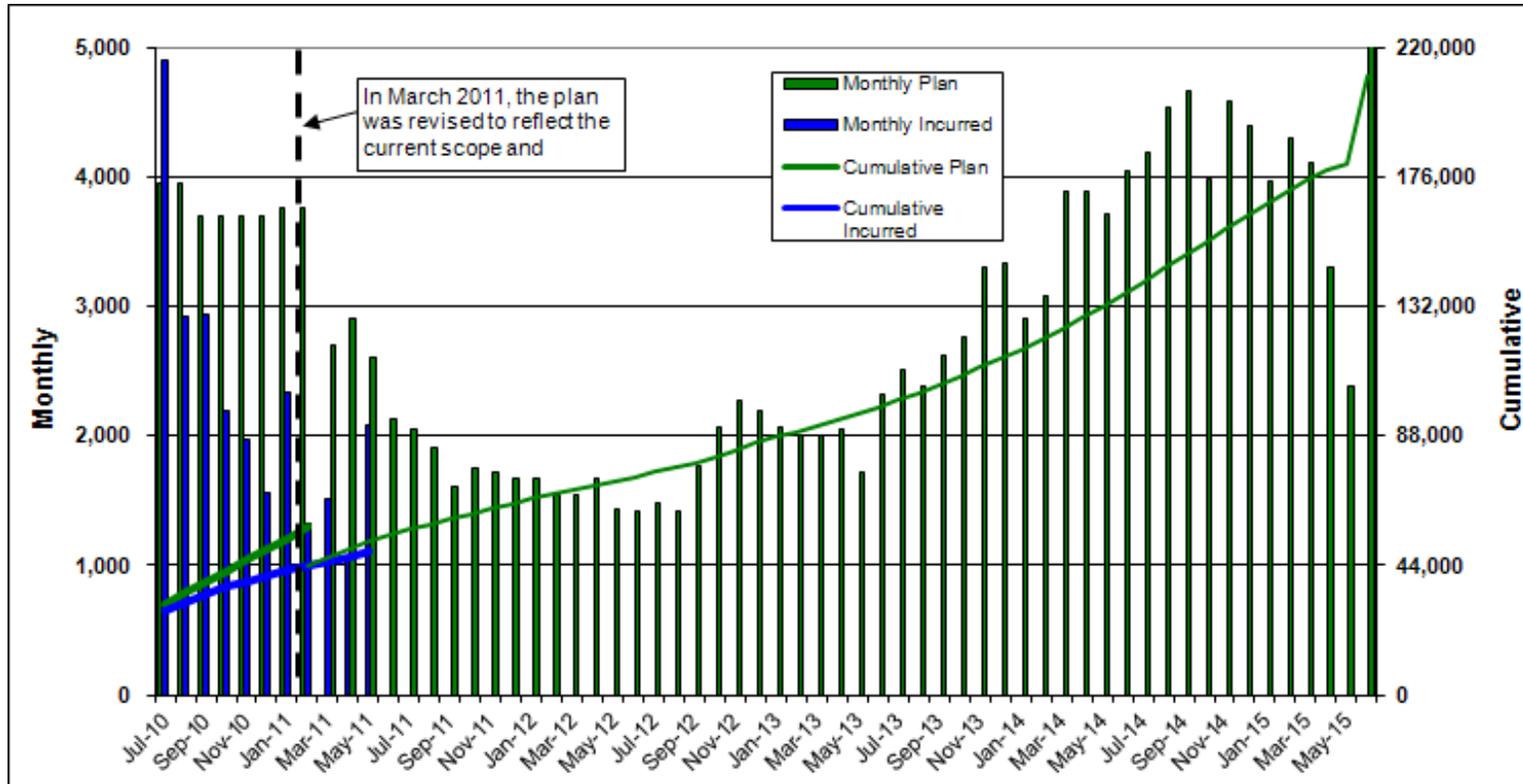


Notes:

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

# TERMINALS ELEMENT CASH FLOW

as of 5/31/2011



Notes:

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

### **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 6/30/2011

Element	Project	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
<b>Airside Element</b>							
<b>M204A - TAXILANE 'S'</b>							
	DA-4398		0020			\$2,000,000	Change Order 0020 - Electrical and Communication Duct Bank Revisions and LAXFUEL Duct Bank Revisions
	DA-4398		0021		\$877,732		Change Order 0021 - Phase 3A and 3B Acceleration
	DA-4398		0023		\$940,866		Change Order 0023 - Natural Gas Line for TBIT Building
	DA-4398		0024		\$326,000		Change Order 0024 - Package 2 Concrete "Percent Within Limit" Allowance
	DA-4398		0025			\$1,908,102	Change Order 0025 - Security Access Post No. 5 Relocation
	DA-4398		0026		\$400,000		Change Order 0026 - Fuel Low Point Drain and High Point Vent Relocations
	DA-4398		0027		\$325,000		Change Order 0027 - Phase 3A (South Side of TWY Q) Storm Drain Shoring Conflicts
	DA-4398		0028	\$106,280			Change Order 0028 - 6" High Pressure Gas (HPG) Cathodic Protection and Filter
	DA-4398		0029	\$61,254			Change Order 0029 - American Airlines (AA) Guard Shack Modifications
	DA-4398		0030			\$1,150,553	Change Order 0030 - Remain Over Night (RON) Position 5 Pavement and Utilities

## CHANGE ORDERS - Continued as of 6/30/2011

Element

Project	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
<b>Bradley West Element</b>						
<b>DA-4337 - BRADLEY WEST GATES (DA-4337)</b>						
DA-4337		0004	\$0			Security Agreement for Payment for Materials Stored Off-Site
DA-4337/CGMP02		0109	(\$5,002,104)			02.109 Allowance Reductions (Move unspent Allowances to CGMP15)
DA-4337/CGMP02		0110	(\$4,337)			02.110 Sump and Sewage Ejector Pit Depths Credit
DA-4337/CGMP02		0111	(\$683)			02.111 The Fee and Tax that was over funded in CGMP 02.101
DA-4337/CGMP02		0114	\$109,228			02.114 Additional Shoring and Interim Temporary Loading Dock
DA-4337/CGMP02		0116	\$31,062			02.116 WT Connections
DA-4337/CGMP02		0118	\$9,320			02.118 IWBT Recycle Bin Rails
DA-4337/CGMP02		0121	(\$1,690)			02.121 Credit to LAWA for Bid Package Difference in CCR 5911
DA-4337/CGMP02		0123	\$2,613			02.123 IWBT Base and Tilt-Up Wall Joint Caulk and Backer Rod
DA-4337/CGMP02		0124	\$6,660			02.124 IWBT IFC Drywall Drawing and Specs
DA-4337/CGMP02		0125	\$4,225			02.125 IWBT Payphone and Furr-Out Wall
DA-4337/CGMP03		0012	\$4,082			9.13 CD 0051 LADWP Material Testing Requirements (CCP)
DA-4337/CGMP04		0051	\$8,468			04.51 Revised Concrete Beam Reinforcement
DA-4337/CGMP04		0052	\$1,837			04.52 BWG CMU Wall in Janitor Closet near Plumbing
DA-4337/CGMP04		0053	\$11,131			04.53 LADBS Correction Notice for North and South Sump Pumps
DA-4337/CGMP04		0054	\$6,038			04.54 West Pier Shear Wall Openings - Revised Openings
DA-4337/CGMP04		0055	\$6,081			04.55 Change in Mech Opening Size at Arch Walls
DA-4337/CGMP04		0059	\$59,531			04.59 Sterile Corridor Miscellaneous Metals Glass Wall Pylon Embeds
DA-4337/CGMP05		0017	\$36,873			05.17 Exterior Back-Up Wall
DA-4337/CGMP05		0019	\$30,537			05.19 Change Gate Elevator Traveling Cable from Cat6 to Fiber Optic
DA-4337/CGMP07		0025	\$3,919			07.25 BWG 1 Hour Ceiling at Fire Pump Room
DA-4337/CGMP07		0026	\$30,742			07.26 BWG MECH Revised Sheets M5000 and M5001
DA-4337/CGMP07		0027	\$14,732			07.27 LADBS Correction Notice for North and South Sump Pumps
DA-4337/CGMP07		0029	\$22,764			07.29 BWG BIM Re-coordination for South Concourse
DA-4337/CGMP07		0030	\$37,314			07.30 BWG Bim Re-coordination North Concourse
DA-4337/CGMP07		0031	\$64,716			07.31 BWG Added Gates MEP BIM Coordinatino Effort
DA-4337/CGMP07		0032	\$12,127			07.32 Fire Rated Soffits Ductwork Pier Egress Stairs - Cosco
DA-4337/CGMP07		0033	\$5,620			07.33 Resolve the RA Duct Elevations on M23S2 and BWG FD-1 Conflict with Beam at S21/CC.4

### Bradley West Element

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

DA-4337/CGMP08	0010	\$4,337		08.10 Sump and Sewage Ejector Pit Depths
DA-4337/CGMP08	0011	\$84,511		08.11 BWG Electrical FCU-S7 Power Designations
DA-4337/CGMP08	0012	\$115,520		08.12 BWG Power to Towel Dispenser
DA-4337/CGMP08	0013	\$99,022		08.13 BWG Chillers 1-4 Power Feeds and Amperage
DA-4337/CGMP08	0014	\$8,280		08.14 BWG BIM Reoordination for South Concourse (Electrical)
DA-4337/CGMP08	0015	\$11,029		08.15 BWG BIM Re-coordination North Concourse
DA-4337/CGMP08	0016	\$12,577		08.16 BWG Added Gates MEP BIM Coordinatino Effort (Electrical)
DA-4337/CGMP08	0017	\$53,718		08.17 BWG Concrete Footing and Electrical Manhole/Concrete Substructure Coordination (Electrical)
DA-4337/CGMP09	0008	(\$8,832)		09.08 Exterior Back-up Wall at DD between Grids S34 and S37 - Credit
DA-4337/CGMP09	0012	\$8,072		09.12 IWBT IFC Ceramic Tile Drawings and Specs- Paramount Tile
DA-4337/CGMP10	0017	(\$95,241)		10.17 BWG Compression Fittings in Conduits passing through PCA Chiller Room per LADBS Modifications
DA-4337/CGMP10	0018	\$12,085		10.18 RFI 2695 - BWG 1 Hour Ceiling at Fire Pump Room
DA-4337/CGMP10	0019	(\$11,204)		10.19 BWG Elect - Ceiling Heights at Coves
DA-4337/CGMP10	0020	\$71,618		10.20 Fire Rated Soffits Ductwork Pier Egress Stairs
DA-4337/CGMP11	0003	\$18,636		11.03 BWG Submittal 0661 - Hollow Metal and Stainless Steel Door
DA-4337/CGMP12	0006	(\$2,489,125)		12.06 Interior Glass - Buyout Savings Bid Package 19 (Move Unallocated to CGMP15)
DA-4337/CGMP12	0008	\$37,494		12.08 BWG Elect - Ceiling Heights at Coves
DA-4337/CGMP12	0010	\$1,132		12.10 Level 5 Artwork Design Assist
DA-4337/CGMP13	0004	\$4,578		13.04 Fire Rated Soffits Ductwork Pier Egress Stairs
DA-4337/CGMP14	0001	\$0		02.14

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

DA-4382	0003	\$0		Security Agreement for Payment for Materials Stored Off-Site
DA-4382/CGMP03	0032	\$24,911		03.32 TPAR CD-0381 Additional Set of Stairs on CUP Roof
DA-4382/CGMP03	0033	\$38,564		03.33 TPAR Provide HHW Foam-Glass Insulation in Lieu of Perma-Pipe System
DA-4382/CGMP03	0034	\$36,895		03.34 TPAR: CD-0064R1 - 5KV Feeder Modifications
DA-4382/CGMP03	0035	\$4,762		03.35 TPAR: Install Modified Conduit Roof Fastening at CUP Roof
DA-4382/CGMP03	0036	\$13,295		03.36 TPAR Roof Pitch Pockets at CUP Roof
DA-4382/CGMP04	0043	(\$1,962)		04.43 Credit Adjustment for CGMP Revision 04.41 (CD 0322 - Manual Pull Stations at Stair 25 and 28 per Fire Department Walkthrough)
DA-4382/CGMP04	0046	\$9,872		04.46 Add Remote Timing Clock to Stair 25 Lighting Fixture
DA-4382/CGMP05	0009	\$18,568		05.09 CD 0393 CDN 096 - Miscellaneous Curtain Wall, Back Up Steel, and Glazing Changes (Crown Corr.)

### Bradley West Element

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

DA-4382/CGMP05	0011		\$607,044	05.11 CD 0365 CDN 052 Relocate Window Washing System to Below the Soffit at the North and South Ends
DA-4382/CGMP06	0014	\$5,093		06.14 CD 0251 Core Gas Line Enclosure (Concrete - Klorman)
DA-4382/CGMP06	0015		\$708,599	06.15 Additional Formwork for the Core Basement Walls
DA-4382/CGMP07	0004	\$64,258		07.04 CD 0393 CDN 096 - Miscellaneous Curtain Wall, Back Up Steel, and Glazing Changes (Walter's and Wolf)
DA-4382/CGMP08	0014	\$5,018		08.14 CD 0340 BWC - Systems and Finishes at Temporary Escalators at Area 7 (Fire Protection)
DA-4382/CGMP08	0015	(\$5,388)		08.15 CDN 027 FD 0121 (Electrical) BWC FX2 Fixture Locations at Level 3 Pier 148
DA-4382/CGMP08	0016	\$11,559		08.16 CD 0324: BWC RFI 1074 Missing Pipe to Roof Drain
DA-4382/CGMP08	0017	\$15,720		08.17 CD 0251 Core Gas Line Enclosure (Plumbing - Desert)
DA-4382/CGMP09	0007	\$86,366		09.07 CD 0251 Core Gas Line Enclosure (Exterior Framing and Sheathing - OC Plastering)
DA-4382/CGMP10	0001	\$0		10.00 Placeholder
DA-4382/CGMP10	0002	\$2,487		10.02 CD 0340 BWC - Systems and Finishes at Temporary Escalators at Area 7 (Sprayed Fireproofing)
DA-4382/CGMP10	0003	\$505		10.03 RFI 1896 CD 0533 Additional Fireproofing for Loose Plate Assembly at S23C3
DA-4382/CGMP11	0001	\$0		11.000 Placeholder
DA-4382/CGMP12	0005	\$12,415		12.05 CD 0340 BWC - Systems and Finishes at Temporary Escalators at Area 7 (Drywall)
DA-4382/CGMP12	0006	\$5,460		12.06 CD 0411 RFI 1402 2-Hour Rated Drywall Enclosure at Stair 2C5ST01
DA-4382/CGMP12	0007	\$3,183		12.07 CD 0429 RFI 1393 - 2-Hour Rated Enclosure for Ductbank at Stair 3C5ST01
DA-4382/CGMP13	0003	(\$1,742,203)		13.03 Interior Glass - Buyout Savings Bid Package 19 (Move Unallocated to CGMP16)
DA-4382/CGMP13	0004	\$343		13.04 CD 0340 BWC - Systems and Finishes at Temporary Escalators at Area 7 (Railing)
DA-4382/CGMP14	0001	\$0		14.00 Placeholder
DA-4382/CGMP15	0001	\$0		15.00 Placeholder

## CHANGE ORDERS - Continued as of 6/30/2011

Element	Project	Contract	Change Order No	< \$150K	\$150K - \$1Mil	> \$1Mil	Notes
<b>CUP Replacement Element</b>							
<b>C001A - CENTRAL UTILITY PLANT</b>							
	DA-4554/000C		0002		\$381,706		Change Order #02 - Temporary Interim Maintenance Building
	DA-4554/000C		0003	\$8,829			Change Order #03 - CUP Additional LAWA Trailer Furniture
<b>Utilities &amp; Infrastructure Element</b>							
<b>Landside Element</b>							
<b>Residential/Soundproofing Element</b>							
<b>Terminal Element</b>							
<b>TBIT Renovation Element</b>							

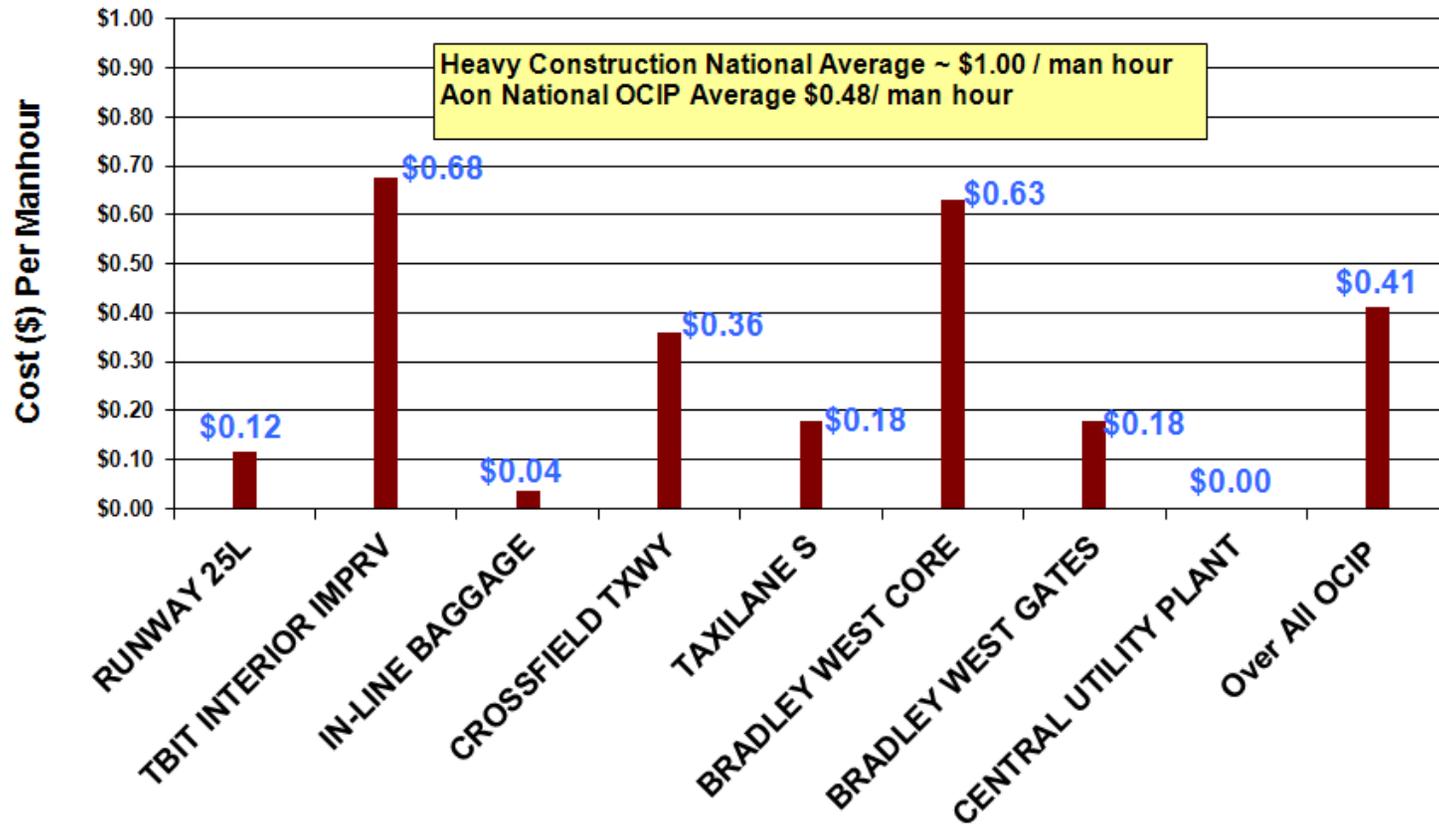
### Bradley West- Gates

CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE )	APPROVED CHANGES (CUMMULATIVE)	SUBTOTAL	% OF CONTRACT VALUE
DESIGN EVOLUTION	28,323,181	1,159,962	29,483,143	5.40%
DOCUMENT CORRECTION	6,112,415	2,033,301	8,145,716	1.49%
FIELD CONDITIONS	1,915,984	199,098	2,115,082	0.39%
OWNER BETTERMENT	(511,300)	292,964	(218,336)	-0.04%
CODE REQUIREMENT	328,476	226,322	554,798	0.10%
<b>TOTAL</b>	<b>36,168,756</b>	<b>3,911,647</b>	<b>40,080,403</b>	<b>7.35%</b>

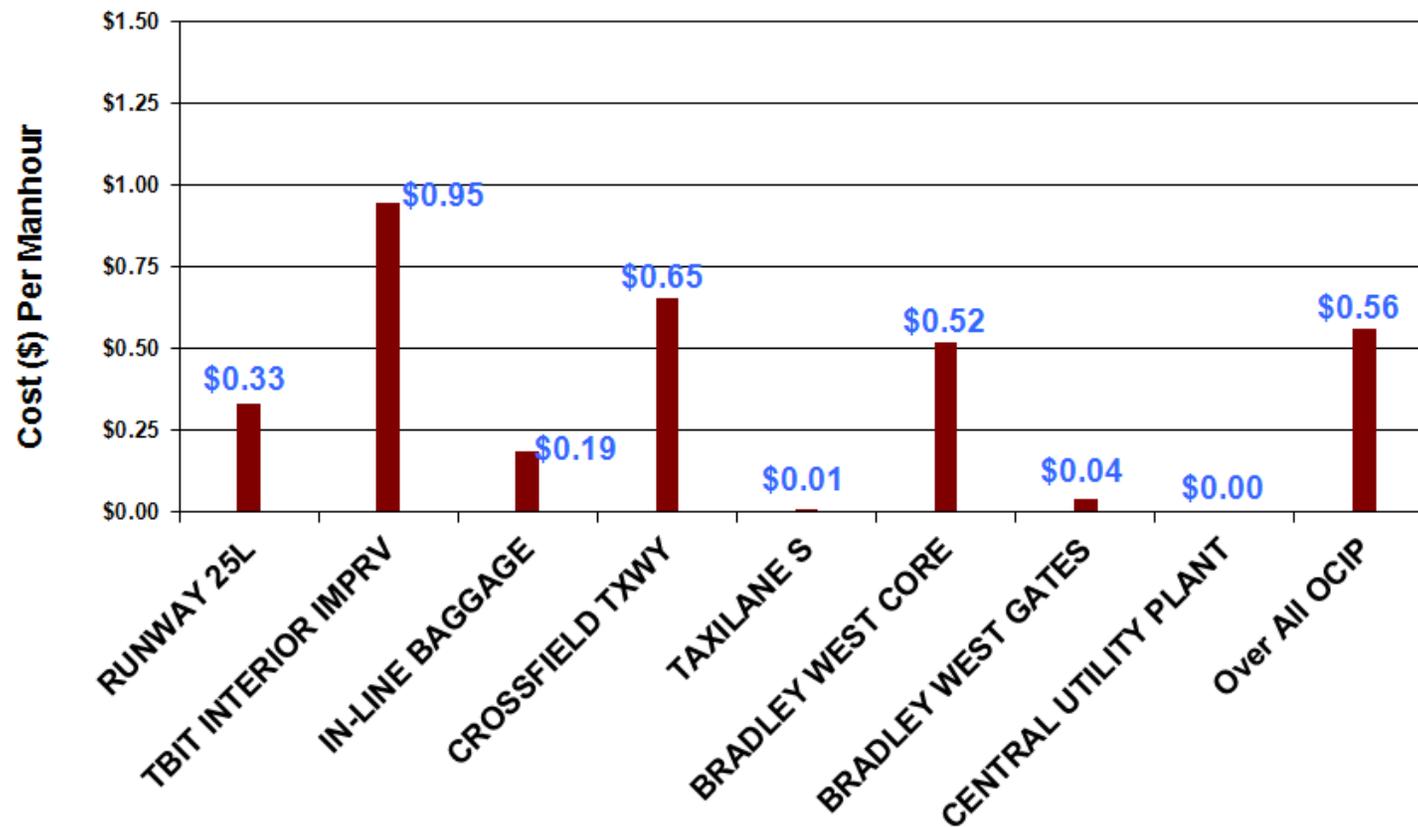
### Bradley West- CORE

CHANGE TYPE	EXECUTED CHANGES (CUMMULATIVE)	APPROVED CHANGES (CUMMULATIVE )	SUBTOTAL	% OF CONTRACT VALUE
DESIGN EVOLUTION	25,018,429	2,229,361	27,247,790	4.66%
DOCUMENT CORRECTION	890,653	1,398,645	2,289,298	0.39%
FIELD CONDITIONS	3,517,731	37,632	3,555,363	0.61%
OWNER BETTERMENT	2,185,772	259,589	2,445,361	0.42%
CODE REQUIREMENT	3,123,997	137,538	3,261,535	0.56%
<b>TOTAL</b>	<b>34,736,582</b>	<b>4,062,765</b>	<b>38,799,347</b>	<b>6.64%</b>

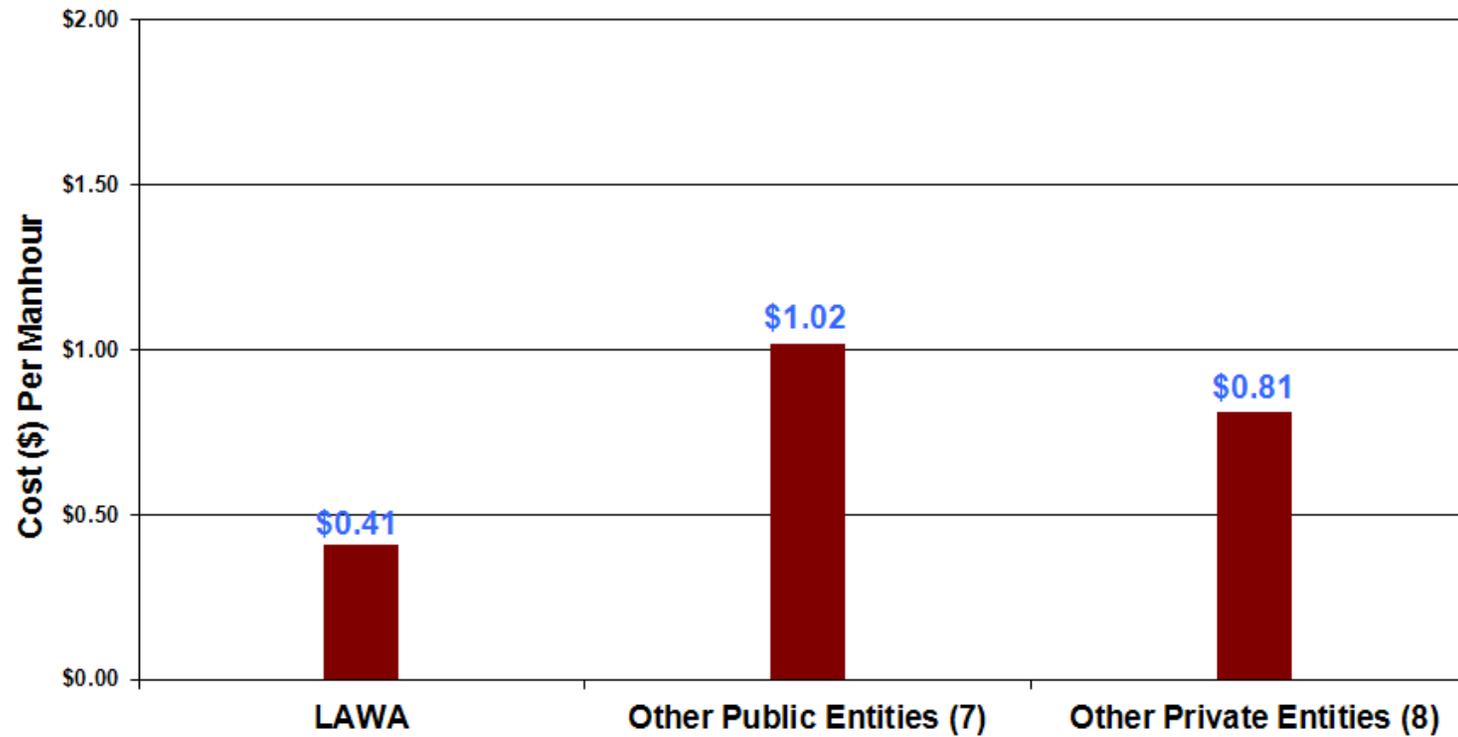
**LAWA OCIP Workers Compensation Loss Performance**  
 - as of May 31, 2011 -



LAWA OCIP General Liability Loss Performance  
- as of May 31, 2011 -



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



## MWBE/DBE Subcontractor Utilization Summary Report as of 5/31/2011

Firm	Contract No.	DBE or M/WBE Contract	Proposed Level of Participation	Achieved Participation to Date*		Remarks
				M/WBE	DBE	
AECOM Technical Services, Inc.	DA-4260	DBE	12.00 %	N/A %	20.56 %	
CH2M Hill	DA-4414	M/WBE	22.00 %	32.49 %	N/A %	
Clark / McCarthy Joint Venture	DA-4554	M/WBE	20.10 %	4.60 %	N/A %	
Fentress Architects	DA-4274	DBE	9.30 %	15.05 %	6.86 %	
Flatiron West, Inc.	DA-4398	DBE	1.00 %	0.77 %	12.53 %	
Griffith Company	DA-4338	M/WBE	6.60 %	2.30 %	N/A %	
Griffith Company	DA-4478	M/WBE	23.70 %	23.30 %	N/A %	
Griffith Company	DA-4498	DBE	0.35 %	1.02 %	0.00 %	
Hatch Mott MacDonald, LLC	DA-4275	DBE	11.63 %	N/A %	19.76 %	
Hellmuth, Obata + Kassabaum, Inc.	DA-4313	M/WBE	25.00 %	38.83 %	N/A %	
Jacobs Project Management Co.	DA-4417	M/WBE	25.00 %	0.00 %	N/A %	
KDG Dev + Construction Consulting	DA-4418	M/WBE	20.00 %	0.00 %	N/A %	
Parsons Transportation Group, Inc.	DA-4415	M/WBE	23.00 %	54.85 %	N/A %	
Paslay Management Group	DA-4324	M/WBE	10.00 %	17.36 %	N/A %	
Post, Buckley, Schuh & Jernigan, Inc.	DA-4515	DBE	24.00 %	N/A %	29.53 %	
Praxis Integrated Communications	DA-4541	M/WBE	10.00 %	0.00 %	N/A %	
Vanir Construction Management, Inc.	DA-4416	M/WBE	20.00 %	18.01 %	N/A %	
W.E. O'Neil	DA-4371	M/WBE	6.80 %	11.30 %	N/A %	
Walsh Austin Joint Venture - Pre-Construction (Gates)	DA-4337	M/WBE	20.00 %	30.31 %	N/A %	
Walsh Austin Joint Venture - Construction (Gates)	DA-4337	M/WBE	14.00 %	16.26 %	N/A %	
Walsh Austin Joint Venture - Pre-Construction (Core)	DA-4382	M/WBE	20.00 %	25.87 %	N/A %	
Walsh Austin Joint Venture - Construction (Core)	DA-4382	M/WBE	14.00 %	13.35 %	N/A %	
<b>Total Participation:</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>12.25%</b>	<b>5.65%</b>	
<b>Total Combined Participation:</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>17.90%</b>		

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