

# **Airports Development**

**Executive Management** 

Program Status Report

April 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).



## **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 is 98% complete.

## **Budget Status**

This project is anticipated to complete on budget.

### **Schedule Status**

Subconsultant has started investigating electrical vaults for the replacement FAA fiber work. Contract has been extended to May 24, 2012 for future work requirements.

#### **Issues**



## **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 contract awarded to R & L Brosamer Inc. on March 23, 2009. Construction Notice to Proceed issued May 11, 2009. Taxiway 'R' opened on May 24, 2010. Construction is 100% complete.

#### **Budget Status**

The final change orders have been negotiated. Final processing is anticipated to complete in May 2011. This project is expected to complete under budget.

#### **Schedule Status**

Final project acceptance expected in May 2011.

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



## 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 contract awarded to Tobo Construction on June 10, 2009. Administrative Notice to Proceed issued July 10, 2009. Construction Notice to Proceed issued September 4, 2009. Construction is 100% complete. The Grand Opening of the LAX Aircraft Rescue and Firefighting Station 80 was held on November 22, 2010.

## **Budget Status**

This project is expected to complete under budget. Final processing is anticipated to complete in June 2011.

## **Schedule Status**

Certificate of Occupancy was signed-off on February 24, 2011. Notification of Acceptance of Contract was issued on March 17, 2011. Final Change Order and Final Payment Request were issued in March 2011.

### <u>Issues</u>



## **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 the edge of Taxilanes C10/D10. It includes all grading, drainage, utilities, airfield signage and lighting; construction of LADWP power and communication ductbanks; and the LAWA power and communication ductbanks.

### **Planning and Programming Status**

Project Definition is complete.

#### **Design Progress**

West Aprons awarded design is 100% complete. East Aprons design is 50% complete.

### **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 -No construction contracts awarded.

### **Budget Status**

This project is tracking on budget.

### **Schedule Status**

This project progressing on schedule.

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



## 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. on December 7, 2009. Administrative Notice to Proceed issued on December 18, 2009. Construction Notice to Proceed issued on March 1, 2010. Concrete batch plant was operational in February 2011. Econocrete paving began in February 2011. Construction is 47% complete for Package 1 (Taxilane S).

### **Budget Status**

This project is tracking to the budget.

### **Schedule Status**

Taxilane 'S' is anticipated to open in July 2011. However schedule impacts from various sources including additional contaminated soil, World Way West utilities and weather delays have impacted this completion date.



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

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

\* New natural gas service to the Bradley West across new Taxilane 'S' will have schedule and cost impacts.

\* New storm drain construction south of the Concourse Construction Package (CCP) is being accelerated to provide construction access for Walsh Austin.

\* Remain Overnight (RON) position 5 paving work adjacent to Taxiway Romeo will need to be paved by the Taxilane S contractor and will have schedule and cost impacts.

\* Access to the Package 2 Area (BW Aprons) may be impacted by the Concourse Construction Package (CCP) Project requesting area for prefabricated roof assembly.



## 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 mid-May 2011.
- \* Task Order 2 (TWA Hangar) and Task Order 3 (Low Bay Site Restoration) are being reviewed and negotiated.

2 - Demo AA Low Bay Hangar and Deluge System:

The design of the Demo AA Low Bay Hangar and Deluge System will be completed in June 2011 by AECOM, Inc.

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. Received 90% design drawing in April 2011 from PBS&J. ADG is currently reviewing the design.

## **Construction Progress**

No construction contracts awarded.

### **Budget Status**

This project is tracking on budget.



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

## **Schedule Status**

#### 1 - Taxilane T:

Kimley-Horn and Associates has proceeded with the design of Taxilane T as directed in Task Order #1.

#### 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:

\* The completion of the Demo AA Low Bay Hanger and Deluge System has been adjusted to June 2011 to accomodate the revision to relocate the deluge system adjacent to the Coast Guard.



## **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**

No design contract awarded.

#### **Construction Progress**

No construction contract awarded.

## **Budget Status**

This project is tracking on budget.

## **Schedule Status**

This project is progressing on schedule.

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



## 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 contract awarded to Griffith Company on August 2, 2010.

Administrative Notice to Proceed was issued on September 7, 2010.

Construction is substantially complete. Punch list work anticipated to complete early May 2011.

#### **Budget Status**

This project is tracking on budget.

#### **Schedule Status**

Construction Notice to Proceed was issued in November 8, 2010. The project's original completion date of February 2011 was extended through March 2011 due to rain delays.

Administrative time extension to be issued to complete punch list items and to close-out project until mid May 2011.

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



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

## **Project Description**

The project consists of the construction of new double-loaded North and South Concourses at Tom Bradley International Terminal (TBIT). 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 90% complete.

## **Construction Progress**

Enclosure and MEP (Mechanical, Electrical & Plumbing) work on North Concourse continues.

Architectural shear wall pours at North Piers are on-going.

Steel Erection on the South concourse continues.

South Concourse Slab on Grade / Slab on Metal Deck Pours are on-going.

Shoring, Excavation & Foundations continue on South Piers.

### **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**

Gates 134 Substantial Completion Target Date: 08/01/12 Forecast Date: 8/01/12

West Gates Substantial Completion Target Date: 12/12/12 Forecast Date: 12/12/12

East Gates Substantial Completion Target Date: 10/19/13 Forecast Date: 11/26/13

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

The January 2011 WAJV schedule submittal reports that the Bradley West Gates component of the schedule is meeting contract milestone requirements.

The contract schedule update does not include key change information related to Gates Bulletins 2 through 5. Extended work hours continue in critical areas of the construction site, and when conditions are allowable.



## **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.

## Planning and Programming Status

Project Definition is complete.

## **Design Progress**

Design is 80% complete.

### **Construction Progress**

Core Steel Erection has commenced.

Core Basement Wall pours continue.

Under Slab MEP, Wall & Spread footings continue.

## **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.



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

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

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.

Steel erection was impacted by about one (1) week due to a Cal OSHA requirement to install a temporary manlift inside the Core footprint. Impacts to be determined.

Extended work hours continue in critical areas of the construction site, and when conditions are allowable.

The WAJV January 2011 contract schedule submittal shows a completion date for New Core Construction on 5/2/13. 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**

BOAC 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 95% 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 May 2011.

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

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



## **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:

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**

CUP design builder, Clark/McCarthy (CMJV) initiated 60% design in April.

#### **Construction Progress**

The Walsh-Austin Joint Venture (WAJV) is responsible for the construction of the Temporary Power and Associated Relocations Project (TPAR). TPAR construction is delayed until late May 2011 due to weather impacts and contractor delays in the completion of their work.

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

A Temporary Interim Maintenance Building is being located in Parking Structure P2B. This will house maintenance shop staff during construction of the new Interim Maintenance Building.

#### **Budget Status**

This project is tracking to budget.



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

## Schedule Status

CMJV's submitted baseline schedule was returned 'Revise and Resubmit' primarily for two reasons:

- 1. Schedule logic exceptions
- 2. Contract milestone qualification letter

Although CMJV's baseline schedule finished within contract milestone dates, CMJV had requested 130 days relief equaling Bid Protest period.

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

TPAR potential schedule impact is currently under review.



## 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.

Problems with existing backup power systems at the Admin West Data Center (AWDC) require major electrical equipment replacement for full IT system redundancy. TCI has completed installing an Uninterrupted Power Supply (UPS) unit to provide necessary redundancy for ARCC IT system and equipment in AWDC.

The contractor is completing commissioning and final punchlist work to obtain final building permit sign-off.

LAWA is completing final change order negotiations.

#### **Budget Status**

The budget variance is being evaluated.



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

### **Schedule Status**

This project was substantially completed and the ARCC began live operations on December 15, 2010.

Final contract acceptance is anticipated by the end of May 2011.

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



## 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. Final processing is anticipated to complete in June 2011.

## 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.



## RESIDENTIAL/SOUNDPROOFING ELEMENT - Aircraft & Noise Monitoring & Management System (ANMMS)-LAX (S004A)

#### **Project Description**

LAWA installed a state of the art Aircraft and Noise Monitoring and Management System (ANMMS) in 1990. The monitors measure noise 24 hours a day, 365 days a year. ANMMS measures airport generated noise in the community, tracks and identifies aircraft within a certain radius of the airport, and is used to help LAWA produce maps showing the noise impact area, as required by the State of California. LAWA continually monitors its ANMMS to ensure the accuracy of noise data and related operations information, and to improve the access to and utilization of the various types of available data.

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

Project Definition is complete.

## **Design Progress**

Design is 100% complete.

## **Construction Progress**

Construction contract awarded to Lochard Corporation on October 4, 2004.

## **Budget Status**

This project is anticipated to complete on budget. Final processing is anticipated to complete in August 2011.

## Schedule Status

The system has been accepted and punch list activities are ongoing.

### <u>Issues</u>

None.



## 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.

#### <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 50% complete.

#### **Construction Progress**

Priority I Site Mods - Construction contract awarded to W.E. O'Neil Construction Company on August 17, 2009 - Construction is 79% complete.

Priority II - Procurement - NTP issued to Schindler Elevator Corporation on April 19, 2010. Fabrication has begun. Priority II-IV Site Mods - Bid window opened on December 21, 2010 - Bids were received on March 3, 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 are currently running seventy-two working days behind schedule due to design deficiencies, incomplete as-built drawings, or a combination of both. Resequencing future work is underway and Milestone extensions are being issued to account for compensable delays. A forthcoming Change Order is being prepared for Board Action in May.

#### **Issues**

Sequence of work at Terminal 6 may cause delays to the current KONE contract - dependent on the Hensel-Phelps schedule.



## 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 / Status

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 Taxilane A2 Rehabilition - Phase 2 (A010B)

#### **Project Description**

This project is the second, and last, phase of pavement rehabilitation of 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.

#### Issues / Status

The authorization to advertise for a construction contract was approved in February 2011. Bids are anticipated in May 2011.



## WORK IN PROGRESS - 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.

### Issues / Status

The process of selecting a design consultant to prepare the plans and specifications is underway.



## WORK IN PROGRESS - 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.

#### Issues / Status

Design is continuing and a horticulturist is being selected.



## 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 / Status

The authorization to advertise for a construction contract was approved in February 2011. Bids are due in May 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 at VNY will complete the current VNY Soundproofing Program that started in 2000.


### WORK IN PROGRESS - 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.

#### Issues / Status

The authorization to advertise for a construction contract was approved in December 2010.



## **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.















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## **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**

|                                    |                    |                   | (dollars in thousa   | ands)               |                           |                          |               |                |
|------------------------------------|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Description                        | Baseline<br>Budget | Current<br>Budget | Committed to<br>Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| Airside Element                    | 650,660            | 651,059           | 341,201              | 241,628             | 614,571                   | 36,487                   | 39%           | 57%            |
| Bradley West Element               | 1,545,020          | 1,547,803         | 1,115,010            | 392,315             | 1,443,225                 | 104,578                  | 27%           | 0%             |
| CUP Replacement Element            | 438,085            | 438,085           | 337,102              | 60,455              | 383,333                   | 54,751                   | 16%           | 0%             |
| Utilities & Infrastructure Element | 8,175              | 13,914            | 13,247               | 11,443              | 14,441                    | (526)                    | 79%           | 95%            |
| Landside Element                   | 17,162             | 17,162            | 15,017               | 14,383              | 14,497                    | 2,665                    | 99%           | 20%            |
| Residential/Soundproofing Element  | 183,233            | 163,233           | 151,191              | 144,677             | 163,233                   | 0                        | 89%           | 0%             |
| Terminal Element                   | 270,000            | 270,000           | 97,500               | 45,398              | 206,252                   | 63,748                   | 22%           | 9%             |
| Subtotal                           | 3,112,335          | 3,101,256         | 2,070,268            | 910,299             | 2,839,552                 | 261,703                  | 32%           | 14%            |
| Unallocated Contingency            | N/A                | 286,896           | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
| Subtotal                           | N/A                | 3,388,152         | 2,070,268            | 910,299             | N/A                       | N/A                      | N/A           | N/A            |
| Work in Progress                   | N/A                | 67,594            | 6,754                | 850                 | N/A                       | N/A                      | N/A           | N/A            |
| Program Total                      | N/A                | 3,455,746         | 2,077,022            | 911,149             | N/A                       | N/A                      | N/A           | N/A            |



# AIRSIDE ELEMENT BUDGET REPORT

|              |  |                    |                   | (dollars in thous    | sands)              | _                         |                          |               |                |
|--------------|--|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description  | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| M209A        | Construction Support Facilities  | 14,790             | 8,425             | 7,106                | 6,105               | 7,537                     | 888                      | 81%           | 37%            |
| M101A        | Crossfield Taxiway Project   | 177,760            | 145,678           | 139,705              | 131,931             | 142,695                   | 2,983                    | 92%           | 95%            |
| M107A        | LAX Aircraft Rescue and Fire Fighting Facility                                       | 14,190             | 14,190            | 13,886               | 13,687              | 14,157                    | 33                       | 97%           | 98%            |
| M205A        | Bradley West - Aprons  | 111,870            | 111,870           | 25,148               | 13,544              | 103,520                   | 8,350                    | 13%           | 1%             |
| M204A        | Taxilane 'S'   | 174,980            | 154,118           | 136,949              | 64,426              | 153,108                   | 1,009                    | 42%           | 65%            |
| M306A        | Taxilane 'T'   | 96,500             | 156,208           | 11,754               | 6,347               | 144,898                   | 11,310                   | 4%            | 0%             |
| M210A        | Demolition of Existing Concourses  | 52,600             | 52,600            | 1,770                | 1,635               | 43,604                    | 8,996                    | 4%            | 0%             |
| A010A        | Pavement Management Program - VNY Taxilane<br>A2 Rehabilitation and RSA Improvements | 7,970              | 7,970             | 4,883                | 3,953               | 5,052                     | 2,918                    | 78%           | 0%             |
| Ai           | rside Element Total  | 650,660            | 651,059           | 341,201              | 241,628             | 614,571                   | 36,487                   | 39%           | 57%            |



# BRADLEY WEST ELEMENT BUDGET REPORT

|              |                                  |                    |                   | (dollars in thous    | sands)              |                           |                          |               |                |
|--------------|----------------------------------|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description                      | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| M201A        | Bradley West Gates               | 742,954            | 744,879           | 631,354              | 246,691             | 732,538                   | 12,341                   | 34%           | 0%             |
| M203A        | Bradley West Core Improvements   | 793,164            | 795,089           | 476,178              | 144,030             | 702,999                   | 92,090                   | 20%           | 0%             |
| M203B        | Construction Traffic Mitigations | 3,542              | 2,475             | 2,118                | 1,594               | 2,328                     | 147                      | 68%           | 34%            |
| M308A        | Art In Public Places             | 5,360              | 5,360             | 5,360                | 0                   | 5,360                     | 0                        | 0%            | 0%             |
| Br           | adley West Element Total         | 1,545,020          | 1,547,803         | 1,115,010            | 392,315             | 1,443,225                 | 104,578                  | 27%           | 0%             |



## CUP REPLACEMENT ELEMENT BUDGET REPORT as of 3/31/2011

(dollars in thousands) Incurred to Variance % % Cont Current Estimate at Project Description Baseline Committed (Budget-EAC) Budget Incurred # Budget to Date Date Completion Used 337,102 60,455 383,333 C001A Central Utility Plant 438,085 438,085 54,751 16% 0% **CUP Replacement Element Total** 438,085 438,085 337,102 60,455 383,333 54,751 16% 0%



## UTILITIES & INFRASTRUCTURE ELEMENT BUDGET REPORT as of 3/31/2011

|              |   | -                  |                   | (dollars in thous    | sands)              |                           |                          |               |                |
|--------------|---|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description                                 | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| U009A        | Airport Response Coordination Center (ARCC) | 8,175              | 13,914            | 13,247               | 11,443              | 14,441                    | (526)                    | 79%           | 95%            |
| Ut           | lities & Infrastructure Element Total       | 8,175              | 13,914            | 13,247               | 11,443              | 14,441                    | (526)                    | 79%           | 95%            |



# LANDSIDE ELEMENT BUDGET REPORT

|              |  |                    |                   | (dollars in thous    | sands)              |                           |                          |               |                |
|--------------|--|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description                                  | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| L003A        | AOA Perimeter Fence (World Way West) Phase 3 | 17,162             | 17,162            | 15,017               | 14,383              | 14,497                    | 2,665                    | 99%           | 20%            |
| La           | ndside Element Total                         | 17,162             | 17,162            | 15,017               | 14,383              | 14,497                    | 2,665                    | 99%           | 20%            |



## RESIDENTIAL/SOUNDPROOFING ELEMENT BUDGET REPORT as of 3/31/2011

|              |  |                    |                   | (dollars in thous    | sands)              |                           |                          |               |                |
|--------------|--|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description  | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
|              | Aircraft & Noise Monitoring & Management<br>System (ANMMS)-LAX | 3,233              | 3,233             | 3,233                | 3,021               | 3,233                     | 0                        | 93%           | 0%             |
| S002A        | Noise Mitigation/Soundproofing (City of LA)                    | 180,000            | 160,000           | 147,958              | 141,656             | 160,000                   | 0                        | 89%           | 0%             |
| Re           | sidential/Soundproofing Element Total                          | 183,233            | 163,233           | 151,191              | 144,677             | 163,233                   | 0                        | 89%           | 0%             |



# **TERMINAL ELEMENT BUDGET REPORT**

|              |                                      |                    |                   | (dollars in thous    | sands)              |                           |                          |               |                |
|--------------|--------------------------------------|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description                          | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| T001A        | Elevators and Escalators Replacement | 270,000            | 270,000           | 97,500               | 45,398              | 206,252                   | 63,748                   | 22%           | 9%             |
| Те           | rminal Element Total                 | 270,000            | 270,000           | 97,500               | 45,398              | 206,252                   | 63,748                   | 22%           | 9%             |



# WORK IN PROGRESS BUDGET REPORT

|              |   |                    | -                 | (dollars in thous    | sands)              | _                         |                          |               |                |
|--------------|---|--------------------|-------------------|----------------------|---------------------|---------------------------|--------------------------|---------------|----------------|
| Project<br># | Description   | Baseline<br>Budget | Current<br>Budget | Committed<br>to Date | Incurred to<br>Date | Estimate at<br>Completion | Variance<br>(Budget-EAC) | %<br>Incurred | % Cont<br>Used |
| A010B        | Pavement Management Program - VNY Taxilane<br>A2 Rehabilition - Phase 2 | N/A                | 2,290             | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
|              | Second Level Roadway Expansion Joint and<br>Deck Repairs                | N/A                | 18,900            | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
| L012A        | Coastal Dunes Improvement Project                                       | N/A                | 3,000             | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
| L014A        | AOA Perimeter Fence Requirement - Phase 4                               | N/A                | 30,000            | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
| S008A        | VNY Soundproofing   | N/A                | 1,350             | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
| T006A        | Fire Life Safety System Upgrades T1 & T2                                | N/A                | 5,300             | 0                    | 0                   | N/A                       | N/A                      | N/A           | N/A            |
|              | Interim Taxiway Safety Improvement Project<br>(ITSIP)                   | N/A                | 6,754             | 6,754                | 850                 | N/A                       | N/A                      | N/A           | N/A            |
| W            | ork in Progress Element Total   | N/A                | 67,594            | 6,754                | 850                 | 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 3/31/2011





# AIRSIDE ELEMENT CASH FLOW

#### as of 3/31/2011





# **BRADLEY WEST ELEMENT CASH FLOW**

as of 3/31/2011





# CUP REPLACEMENT CASH FLOW

as of 3/31/2011





# **UTILITIES & INFRASTRUCTURE ELEMENT CASH FLOW**

as of 3/31/2011





# LANDSIDE ELEMENT CASH FLOW

#### as of 3/31/2011





# **RESIDENTIAL/SOUNDPROOFING ELEMENT CASH FLOW**

as of 3/31/2011





## **TERMINALS ELEMENT CASH FLOW**

#### as of 3/31/2011





## **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 4/30/2011

| Project<br>Contract | Change<br>t Order No | < \$150K          | \$150K - \$1Mil   | > \$1Mil         | Notes   |
|---------------------|----------------------|-------------------|-------------------|------------------|---|
| Airside Element     |                      |                   | •                 | •                | •   |
| A010A - PAVEMENT    | MANAGEMENT PRO       | GRAM - VNY TAXILA | ANE A2 REHABILITA | FION AND RSA IMF | PROVEMENTS  |
| DA-4498             | 0001                 | (\$17,311)        |                   |                  | Modifications to Pavement Markings and Sign Panels, Non-Compensab<br>Time Extension, Sign 33-A Reposition, 10KW Constant Current<br>Regulator, HDPE Pipe Substitution, Re-Stake RSA at Raxiway R,<br>Investigate, Remove and Reinstall Unknown Conduit and Circuit, LED B<br>directional Centerline Light Fixtures, Sawcut and Remove Unknown<br>Concrete Structure in Work Area 5, Remove Existing Catch Basin |
| M101A - CROSSFIEL   | D TAXIWAY PROJEC     | т                 |                   |                  |   |
| DA-4331             | 0051                 | \$95,731          |                   |                  | Service Road Bridge Plans, Junction Structure 1-1 Modifications,<br>Investigation of FAA Fiber #25  |
| DA-4331             | 0052                 | \$116,326         |                   |                  | Phase 5 Demo Limits, RON Area Pavement Modifications  |
| DA-4331             | 0053                 | \$141,905         |                   |                  | Repair Damaged Temporary Standing Reds, Jensen Aircraft Rated MH<br>HH Modifications, LADWP Access, RFI #79 Added Rebar for WWW Lig<br>Poles, Electrical Ductbank Conflicts, Pump Station Permit Changes  |
| DA-4331             | 0054                 | \$143,706         |                   |                  | RON Additional LADBS Requirements, Washrack Maintenance,<br>Washrack UL Certification   |
| DA-4331             | 0055                 | \$89,687          |                   |                  | Transite Pipe Abatement, Additional Flushing of Jet Fuel Lines  |
| DA-4331             | 0056                 | \$95,949          |                   |                  | Irregular Sized Hand Pours/ Added Concrete, Remove PCCP with Wire<br>Mesh, Core and Patch (E) Posts Burned Off, ARFF Driveway 12-inch<br>PCCP   |
| DA-4331             | 0057                 | \$96,757          |                   |                  | Crushing Operation Title V Requirements   |
| DA-4331             | 0058                 | \$51,528          |                   |                  | Additional Details for Demo at Sky Chef Building, Additional Demo for<br>Access to ARFF Construction Site, Phase 3 Catch Basin Adjustment,<br>Additional V-Ditch in Phase 2A, Site Changes Phase 5, Raise MH 6-1A<br>JS 6-0B  |
| M204A - TAXILANE '  | S'                   |                   |                   |                  |   |
| DA-4398             | 0018                 | \$142,574         |                   |                  | Storm Water Filter Structure Modifications, Storm Drain Line 20 and 21 Revisions  |
| DA-4398             | 0019                 | \$101,101         |                   |                  | Taxiway T Centerline and Signage Revisions, Phase 2 Temporary<br>Service Road C, Service Road E Detour, Storm Drain Line 6 Modificatio  |



### CHANGE ORDERS - Continued as of 4/30/2011

| Project              |                    | l          |                 |          | as of 4/30/2  |
|----------------------|--------------------|------------|-----------------|----------|---|
| Contract             | Change<br>Order No | < \$150K   | \$150K - \$1Mil | > \$1Mil | Notes   |
| Bradley West Element |                    |            |                 |          |   |
| DA-4337 - BRADLEY WE | ST GATES (DA-4     | 337)       |                 |          |   |
| DA-4337/CGMP01       | 0002               | \$8,464    |                 |          | Safway Services, Field Services- CGMP01, CMAR Fee, City Tax   |
| DA-4337/CGMP02       | 0068               | \$13,314   |                 |          | Griffith - Utilities - IWBT, CMAR Fee, City Tax   |
| DA-4337/CGMP02       | 0069               | \$3,820    |                 |          | All Area Plumbing - IWBT, City Tax, CMAR Fee  |
| DA-4337/CGMP02       | 0070               | \$28,528   |                 |          | CD 0140 IWBT East Egress H027R1, CMAR Fee, City Tax, CD 0215<br>IWBT Payphone and Furr Out Wall   |
| DA-4337/CGMP02       | 0071               | \$49,658   |                 |          | IWBT RFI 2028 Condensate Line Changes, CD 0037 IWBT Underground<br>Plumbing Changes, IWBT Drinking Fountain Changes, CMAR Fee, City<br>Tax  |
| DA-4337/CGMP02       | 0072               | \$12,057   |                 |          | IWBT Temp Loading Dock Staging Area, Painting of the Loading Dock<br>Deck and Ramp, CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0073               | \$7,762    |                 |          | Sump and Sewage Ejector Pit Depths, IWBT Connector Separation Wall, CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0074               | \$68,081   |                 |          | CD 0060 Interim Temp Loading Dock at IWBT, IWBT IFC Plumbing<br>Drawings and Specs., CMAR Fee, City Tax   |
| DA-4337/CGMP02       | 0075               | (\$37,395) |                 |          | IWBT Quality Production Services OCIP Credit, IWBT Largo OCIP Credit<br>CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0076               | \$22,385   |                 |          | All Area Plumbing - IWBT, CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0077               | \$10,633   |                 |          | Herrick Steel, CMAR Fee, City Tax   |
| DA-4337/CGMP02       | 0078               | \$2,875    |                 |          | CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0079               | (\$125)    |                 |          | CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0080               | (\$64,237) |                 |          | IWBT Progressive Flooring OCIP Credit, IWBT Paramount Tile OCIP<br>Credit, IWBT RFI 1034 Defibrilator Cabinets, Fuel Line Removals Not<br>Performed by ARB within the IWBT Limits, CMAR Fee, City Tax |
| DA-4337/CGMP02       | 0082               |            | \$263,143       |          | Conflicts with Chilled and Hot Water Piping at Gate 119, IWBT Sasco<br>OCIP Credit - Electrical, Modifications to AOA Fence (CCP1), CMAR<br>Fee, City Tax   |
| DA-4337/CGMP02       | 0083               | (\$1,558)  |                 |          | IWBT RFI 1411 Duct Color Change Cost - Key Air, CMAR Fee, City Tax  |
| DA-4337/CGMP02       | 0084               | \$62,477   |                 |          | Additional Curb Cuts at IWBT Loading Platform, IWBT Signage - Re-Face<br>Existing, IWBT East Egress H027R1 - Concrete, CMAR Fee, City Tax,<br>IWBT Bulletin 27A Emergency Egress - Doors              |
| DA-4337/CGMP02       | 0086               |            | \$316,611       |          | Portland Cement Concrete (PCC) Restoration at Gate 106 and 119 (CCP1), CMAR Fee, City Tax   |
| DA-4337/CGMP02       | 0087               | \$4,507    |                 |          | IWBT Miscellaneous Fire Inspector Items, Re-design of Connector -<br>Concrete, Abandonment of existing West egress doors (Electrical<br>demolition at Gate 122 only), CMAR Fee, City Tax              |
| DA-4337/CGMP03       | 0009               | \$41,345   |                 |          | Griffith - Excavation CCP/2, CMAR Fee, City Tax   |



#### Bradley West Element

| DA-4337 - BRADLEY WES | T GATES (DA-4 | 4337)     |           |  |
|-----------------------|---------------|-----------|-----------|--|
| DA-4337/CGMP03        | 0010          |           | \$175,972 | CD 0021 Revisions to Domestic Water and Fire Water Systems (CCP2), CMAR Fee, City Tax  |
| DA-4337/CGMP04        | 0039          | \$75,731  |           | Changes at L3 and L4 Bathrooms, JAMA Structural Observation Report,<br>CMAR Fee, City Tax  |
| DA-4337/CGMP04        | 0040          | \$56,712  |           | RFI 3273 - Added Trim Bar at Slab on Grade Diamonds, RFI 1826<br>Knockout Panel at A between N6 - N7, CMAR Fee, City Tax   |
| DA-4337/CGMP04        | 0041          | \$7,015   |           | JT Wimsatt - Concrete BP-05, CMAR Fee, City Tax  |
| DA-4337/CGMP04        | 0042          | \$30,808  |           | JAMA Structural Observation Report, MEP Sleeves and Blockouts in walls N5, N6 and N7, Blockout for Fire Protection, CMAR Fee, City Tax   |
| DA-4337/CGMP04        | 0043          | \$11,264  |           | JT Wimsatt - Concrete, CMAR Fee, City Tax  |
| DA-4337/CGMP05        | 0012          |           | \$618,266 | Computer Simulation of Elevator Controller Operation, Elevator Interior<br>Finishes revisions per shop drawing review, Deletion of Moving Walk<br>Factory Test Requirement, CMAR Fee, City Tax |
| DA-4337/CGMP06        | 0007          |           | \$401,933 | System Restraint System - Crown Corr, CMAR Fee, City Tax   |
| DA-4337/CGMP06        | 0008          |           | \$538,107 | Troyer Contracting - PVC Roof - BWG, CMAR Fee, City Tax  |
| DA-4337/CGMP07        | 0016          | \$435     |           | Cosco - Fire Protection - BWG, CMAR Fee, City Tax  |
| DA-4337/CGMP07        | 0017          | \$18,239  |           | BWG RFI 2189 - Sizes of Floor Sinks and Floor Drains, CMAR Fee, City Tax   |
| DA-4337/CGMP07        | 0018          | \$12,640  |           | Binnacle Rated Enclosures - HVAC, Binnacle Rated Enclosures -<br>Plumbing, CMAR Fee, City Tax  |
| DA-4337/CGMP07        | 0019          | \$25,558  |           | South Concourse Tenant Plumbing Stubs, CMAR Fee, City Tax  |
| DA-4337/CGMP08        | 0008          |           | \$447,324 | BWG - Metering Switchgear Design Changes from LADWP and Submittal Review Comments, CMAR Fee, City Tax  |
| DA-4337/CGMP08        | 0009          | \$4,299   |           | Sasco - Electrical- BWG, CMAR Fee, City Tax  |
| DA-4337/CGMP10        | 0005          | \$24,255  |           | CMAR Fee, City Tax, PCI - Interior Framing & Drywall   |
| DA-4337/CGMP10        | 0006          | \$1,573   |           | PCI - Interior Framing & Drywall, CMAR Fee, City Tax   |
| DA-4337/CGMP10        | 0007          | \$84,103  |           | Interior Documents Modification for Gates, CMAR Fee, City Tax  |
| DA-4337/CGMP10        | 0008          | \$4,258   |           | 2 HR Rated Wall Infill at Mechanical Heat Exchanger Room, CMAR Fee,<br>City Tax  |
| DA-4337/CGMP10        | 0009          | \$118,221 |           | Binnacle Rated Enclosures - Enclosures, CMAR Fee, City Tax   |
| DA-4337/CGMP11        | 0001          | (\$587)   |           | Cyberlock Cores at Communications Rooms, CMAR Fee, City Tax  |
| DA-4337/CGMP12        | 0001          | \$450     |           | CMAR Fee, Environmental Interiors - Interior Glass, City Tax   |
| DA-4337/CGMP12        | 0002          | \$267     |           | Level 5 Artwork Design Assistance, CMAR Fee, City Tax  |

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

| DA-4382/CGMP03 | 0022 | \$4,509    | TPAR - Utilities, CMAR Fee, City Tax   |
|----------------|------|------------|--|
| DA-4382/CGMP03 | 0023 | (\$44,263) | TPAR: Ten Inch DIP Waterline Modifications, TPAR: Cut DWP Bollards<br>Flush with Slab, TPAR: Provide Blank Key Cores for LADWP Doors,<br>TPAR: Restripe Parking Spaces Located North of ATCT Building, CMAR<br>Fee, City Tax |



#### Bradley West Element

| DA-4382/CGMP03 | 0024 | \$10,005  |           | TPAR: Relocate Drainage Pipe at West Side of IS-2299, TPAR:<br>Manhole Lid Waterproof Seal, TPAR: Relocate Construction Fence in<br>Parking Structure 2B, TPAR: Work Area 3 Phasing Requirements<br>(Create Work Area 3A), CMAR Fee, City Tax |
|----------------|------|-----------|-----------|---|
| DA-4382/CGMP04 | 0029 | \$19,255  |           | Fire Protection Sprinkler Heads and Non-Compliant Electrical Conditions<br>Corrections, Replace Existing Door, Infill Drywall at Fire Hose Valve<br>location at Stair 10 between Levels 2 and 3, CMAR Fee, City Tax                           |
| DA-4382/CGMP04 | 0030 |           | \$170,691 | , CMAR Fee, City Tax  |
| DA-4382/CGMP04 | 0032 |           | \$535,451 | Otis- Conveyances BP-06, CMAR Fee, City Tax   |
| DA-4382/CGMP05 | 0007 | \$35,576  |           | Panels, Insulation, and Air Barriers (Crown Corr), CMAR Fee, City Tax   |
| DA-4382/CGMP05 | 0008 |           | \$326,233 | , CMAR Fee, City Tax  |
| DA-4382/CGMP08 | 0008 | \$130,069 |           | , CMAR Fee, City Tax  |
| DA-4382/CGMP08 | 0009 | \$50,981  |           | , CMAR Fee, City Tax  |
| DA-4382/CGMP08 | 0010 |           | \$248,265 | , CMAR Fee, City Tax  |
| DA-4382/CGMP08 | 0011 | \$3,436   |           | Plumbing Installation (Desert), Fire Protection Design and Labor (Cosco)<br>CMAR Fee, City Tax  |
| DA-4382/CGMP09 | 0004 | \$141,195 |           | Fascia Soffit Drops (OC Plastering), WAJV- Fee, WAJV- City Tax  |
| DA-4382/CGMP09 | 0005 |           | \$479,309 | Miscellaneous Metals, WAJV- Fee, WAJV- City Tax   |
| DA-4382/CGMP13 | 0001 | \$58,189  |           | Interior and Exterior Ceiling Panels (ISEC), CMAR Fee, City Tax   |



## **CHANGE ORDERS - Continued**

| Element                | _                  |          | _               |          |       | as of 4/30/20 |
|------------------------|--------------------|----------|-----------------|----------|-------|---------------|
| Project<br>Contract    | Change<br>Order No | < \$150K | \$150K - \$1Mil | > \$1Mil | Notes |               |
| CUP Replacement E      | lement             |          |                 |          |       |               |
| Utilities & Infrastruc | ure Element        |          |                 |          |       |               |
| Landside Element       |                    |          |                 |          |       |               |
| Residential/Soundpr    | oofing Element     |          |                 |          |       |               |
| Terminal Element       |                    |          |                 |          |       |               |
| TBIT Renovation Ele    | ment               |          |                 |          |       |               |



### Bradley West- Gates

| CHANGE TYPE         | EXECUTED<br>CHANGES<br>(CUMMULATIVE ) | APPROVED CHANGES<br>(CUMMULATIVE) | SUBTOTAL        | % OF CONTRACT<br>VALUE |
|---------------------|---------------------------------------|-----------------------------------|-----------------|------------------------|
| DESIGN EVOLUTION    | \$22,361,661.00                       | \$6,685,600.00                    | \$29,047,261.00 | 5.32%                  |
| DOCUMENT CORRECTION | \$4,007,076.00                        | \$1,134,090.00                    | \$5,141,166.00  | 0.94%                  |
| FIELD CONDITIONS    | \$1,183,968.00                        | \$662,273.00                      | \$1,846,241.00  | 0.34%                  |
| OWNER BETTERMENT    | \$381,589.00                          | \$360,573.00                      | \$742,162.00    | 0.14%                  |
| CODE REQUIREMENT    | \$266,935.00                          | \$99,352.00                       | \$366,287.00    | 0.07%                  |
| TOTAL               | \$28,201,229.00                       | \$8,941,888.00                    | \$37,143,117.00 | 6.81%                  |



### Bradley West- CORE

| TOTAL               | \$32,581,783.00                      | \$2,453,663.00                     | \$35,035,446.00 | 6.00%                  |
|---------------------|--------------------------------------|------------------------------------|-----------------|------------------------|
| CODE REQUIREMENT    | \$2,959,723.00                       | \$20,023.00                        | \$2,979,746.00  | 0.51%                  |
| OWNER BETTERMENT    | \$1,906,563.00                       | \$270,353.00                       | \$2,176,916.00  | 0.37%                  |
| FIELD CONDITIONS    | \$3,398,841.00                       | \$44,898.00                        | \$3,443,739.00  | 0.59%                  |
| DOCUMENT CORRECTION | \$74,930.00                          | \$1,341,686.00                     | \$1,416,616.00  | 0.24%                  |
| DESIGN EVOLUTION    | \$24,241,726.00                      | \$776,703.00                       | \$25,018,429.00 | 4.28%                  |
| CHANGE TYPE         | EXECUTED<br>CHANGES<br>(CUMMULATIVE) | APPROVED CHANGES<br>(CUMMULATIVE ) | SUBTOTAL        | % OF CONTRACT<br>VALUE |



# OCIP

as of 3/31/2011



### LAWA OCIP Workers Compensation Loss Performance - as of March 31, 2011 -

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# OCIP - Continued as of 3/31/2011



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



# **OCIP - Continued**

as of 3/31/2011



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



## MWBE/DBE

# Subcontractor Utilization Summary Report

as of 3/31/2011

|  |              |                          |                              |   | Achieved Participation to Date* |     |       |   |                                     |
|--|--------------|--------------------------|------------------------------|---|---------------------------------|-----|-------|---|-------------------------------------|
| Firm   | Contract No. | DBE or M/WBE<br>Contract | Proposed Lev<br>Participatio |   | M/WBE                           |     | DBE   |   | Remarks                             |
| AECOM Technical Services, Inc.                           | DA-4260      | DBE                      | 12.00                        | % | N/A                             | %   | 19.72 | % |                                     |
| CH2M Hill  | DA-4414      | M/WBE                    | 22.00                        | % | 33.58                           | %   | N/A   | % |                                     |
| Clark / McCarthy Joint Venture                           | DA-4554      | M/WBE                    | 20.10                        | % | 4.40                            | %   | N/A   | % |                                     |
| Fentress Architects                                      | DA-4274      | DBE                      | 9.30                         | % | 16.73                           | %   | 6.96  | % |                                     |
| Flatiron West, Inc.                                      | DA-4398      | DBE                      | 1.00                         | % | 0.67                            | %   | 13.92 | % | Achieved Participation from 2/28/1  |
| Griffith Company   | DA-4338      | M/WBE                    | 6.60                         | % | 2.42                            | %   | N/A   | % | Achieved Participation from 2/28/11 |
| Griffith Company   | DA-4478      | M/WBE                    | 23.70                        | % | 25.00                           | %   | N/A   | % | Achieved Participation from 2/28/11 |
| Griffith Company   | DA-4498      | DBE                      | 0.35                         | % | 0.58                            | %   | 0.00  | % | Achieved Participation from 2/28/11 |
| Hatch Mott MacDonald, LLC                                | DA-4275      | DBE                      | 11.63                        | % | N/A                             | %   | 20.47 | % |                                     |
| Hellmuth, Obata + Kassabaum, Inc.                        | DA-4313      | M/WBE                    | 25.00                        | % | 38.56                           | %   | 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   | % |                                     |
| Paragon Project Resources, Inc.                          | DA-4332      | M/WBE                    | 16.00                        | % | 5.57                            | %   | N/A   | % |                                     |
| Parsons Transportation Group, Inc.                       | DA-4415      | M/WBE                    | 23.00                        | % | 53.61                           | %   | N/A   | % |                                     |
| Paslay Management Group                                  | DA-4324      | M/WBE                    | 10.00                        | % | 16.90                           | %   | N/A   | % |                                     |
| Post, Buckley, Schuh & Jernigan, Inc.                    | DA-4515      | DBE                      | 24.00                        | % | N/A                             | %   | 33.05 | % |                                     |
| Praxis Integrated Communications                         | DA-4541      | M/WBE                    | 10.00                        | % | 0.00                            | %   | N/A   | % | Achieved Participation from 2/4/11  |
| Technion Contractors                                     | DA-4462      | M/WBE                    | 0.16                         | % | 1.47                            | %   | N/A   | % |                                     |
| Tobo Construction  | DA-4354      | DBE                      | 0.00                         | % | 14.59                           | %   | 2.33  | % |                                     |
| Vanir Construction Management, Inc.                      | DA-4416      | M/WBE                    | 20.00                        | % | 18.41                           | %   | N/A   | % |                                     |
| W.E. O'Neil  | DA-4371      | M/WBE                    | 6.80                         | % | 10.20                           | %   | N/A   | % |                                     |
| Walsh Austin Joint Venture - Pre-Construction<br>(Gates) | DA-4337      | M/WBE                    | 20.00                        | % | 24.86                           | %   | N/A   | % |                                     |
| Walsh Austin Joint Venture - Construction<br>(Gates)     | DA-4337      | M/WBE                    | 14.00                        | % | 10.77                           | %   | N/A   | % |                                     |
| Walsh Austin Joint Venture - Pre-Construction<br>(Core)  | DA-4382      | M/WBE                    | 20.00                        | % | 25.98                           | %   | N/A   | % |                                     |
| Walsh Austin Joint Venture - Construction<br>(Core)      | DA-4382      | M/WBE                    | 14.00                        | % | 8.25                            | %   | N/A   | % |                                     |
| Total Participation:                                     | N/A          | N/A                      | N/A                          |   | 10.17%                          |     | 6.04% |   |                                     |
| Total Combined Participation                             | N/A          | N/A                      | N/A                          |   |                                 | 16. | 21%   |   |                                     |

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

