

Next Phase of \$4.1-billion LANext™ Airport Modernization Heralds Big Changes for Central Terminal Area

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Artist rendition of the completed canopies in front of the Tom Bradley International Terminal also show new roadway lighting.

Work on a dramatic, modern new look for the front of Los Angeles International Airport's (LAX) Tom Bradley International Terminal began June 5. More efficient cooling, heating and water utility service for travelers and visitors within all Central Terminal Area (CTA) facilities are also part of the next phase of the LANext™ airport modernization program. This new phase of construction necessitates rolling closures of traffic lanes on both the lower and upper level roadways, pedestrian walkways and elevator/escalators throughout the CTA.

Until now, most construction has taken place behind the scenes with minor impacts to travelers and motorists. Although airport personnel are carefully coordinating closures to ensure vehicular traffic flows as smoothly as possible, passengers, motorists, airport workers and vendors are advised to plan accordingly and allow more time to get to/from LAX. Up-to-date construction traffic alerts can be found at www.la-next.com and at LAX's social media sites

at www.Twitter.com/LAX_Official and www.Facebook.com/LAInternationalAirport.

Excavation and tunneling work will connect 8.7 miles of distribution and plant piping from the \$438-million replacement Central Utility Plant (CUP) to the nine passenger terminals and other facilities. This project will replace the 50-year-old existing CUP with a modern, energy-efficient facility featuring state-of-the-art computerized management systems.

Lane closures in the Upper/Departures Level are due to a \$43-million canopy project for the Tom Bradley International Terminal that will replace current glass entrance canopies with sleek-looking canopies that match the new architectural vision for LAX.

Closures of the escalators, elevators and moving walkways are part of an ongoing \$270-million project to replace aging units with energy-efficient models to improve passenger convenience and mobility.

LAX Modernization Earns Prestigious Construction Management Award



The future Great Hall within the New Tom Bradley International Terminal is scheduled for completion Spring 2013. The ENR *Owner of the Year* award is an affirmation that LAX is on the right track to creating a new and modern airport.

By Veronica Woo
Engineering News Record (ENR) recognized Los Angeles World Airports as *California's Owner of the Year* for construction management of the LAX modernization. The program's immense scope, its regional and national significance, and the level of work already completed in such a short time contributed to ENR's decision.

ENR is a renowned weekly magazine that provides news, analysis, data and opinion for the construction industry worldwide. Other criteria used to evaluate candidates were high standards for worker safety, innovative construction tech-

niques, and use of progressive approaches to carry out projects.

Since the beginning of the modernization program in 2006, eight major projects have been completed with six more underway including: the \$1.5-billion New Tom Bradley International Terminal, the \$438-million replacement Central Utility Plant, and the airport-wide In-line Baggage Handling and Screening System Project.

The program has reaped a host of industry awards and designations including:

- Engineering International Project Controls for 2010 *project of the Year TBIT Renovation*
- 2010 Associated General Contractors Award for *Meeting the Challenge of a Difficult Job-TBIT Renovation*
- Leadership in Energy and Environmental Design (LEED) Silver Certification-TBIT Renovation from the Green Building Council
- American Concrete Institute's *Excellence in Environmental Usage of Concrete Award* for Taxiway R project
- California Preservation Foundation Trustee Award for *Excellence in Historic Preservation and Preservation and Technology Award* for the LAX Theme Building
- LEED-Gold Certification for new Aircraft Rescue Firefighting Facility (ARFF Station 80)

LAWA is creating nearly 40,000 jobs and is expected to inject \$6.89 billion into the region's construction, manufacturing, real estate, finance, insurance, and retail industries — stimulating positive economic multiplier effects throughout the L.A. basin. Los Angeles World Airports is proud of these achievements and will continue to strive to provide comfortable and innovative facilities for all LAX travelers.

Veterans Working on New Tom Bradley International Terminal Honored

By Rachel Miller
Memorial Day is a time of remembrance and a time to honor those who have sacrificed for our nation. In a gesture of gratitude, LAX and contractor Walsh-Austin Joint Venture hosted a VIP tour and a brief, but poignant flag presentation ceremony at the New Tom Bradley International Terminal (New TBIT) construction site for veterans on May 24.

Nearly 50 veterans working on the New TBIT project, as well as veterans working in other LAWA divisions attended the program in the Great Hall, where a large U.S. flag was displayed. Among the distinguished persons in attendance were decorated World War II U.S. Army combat infantryman Pete Howenstein, who stormed the beaches of Normandy and fought at the Battle of the Bulge. LAWA Deputy Executive Director of Facilities Engineering and Maintenance and retired Marine Corps Brigadier General David V. Shuter conducted the tour and helped present a smaller flag that once flew over a U.S. base in Afghanistan.

"On Memorial Day, it is so important to stop and thank the countless servicemen and women who have sacrificed to serve us," said Shuter. "This



In commemoration of Memorial Day, veterans were honored at the New TBIT construction site with the presentation of two U.S. flags in appreciation of their service to their country and their efforts to rebuilding the local economy.

is our small way of saying "thank you" to the veterans who are working on this historic project, as well as all our LAWA vets."

The \$1.5-billion New TBIT project will have 18 new gates, nine of which will be able to accommodate large, new-generation aircraft.

The "Great Hall" will have 150,000 square feet of new space for retail, dining, airline lounges and other passenger amenities.

For a short video of the Memorial Day event, go to: <http://www.youtube.com/watch?v=EQa29VFWiXI>.

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LAX is in the midst of an historic and exciting period of construction and modernization, The LAnExT™ Capital Improvement Program Newsletter is committed to bringing you the latest news and we want to know how to better serve your informational needs. Please take a few minutes to tell us your views on this newsletter. Your answers will be greatly appreciated and as thanks, we will send you a pair of LAnExT™ lenticular luggage tags.

Simply click on the link below or copy the address into your web browser:

<http://www.surveymonkey.com/s/8DZ5MXD>



Albert Rodriguez

Making Connections: Replacement Central Utility Plant Enters Complex New Phase

The \$438-million replacement Central Utility Plant (CUP) project has entered a complex phase with the start of excavation and installation of a new underground hot/cold water piping network to serve passenger terminals and other LAX facilities.

The installation of the system means a more comfortable terminal environment for passengers, more efficient and better lighting, and more reliable utility service. The majority of the work is taking place beneath the surface of the Lower/Arrivals Level roadway in the Central Terminal Area, but it necessitates the intermittent closure of various traffic lanes.

Smaller utility lines are installed on the north side of Parking Structure 3 headed to Terminal 3. Water will be used for air conditioning, hot water, and the fire sprinkler system.



Albert Rodriguez

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Making Connections: Replacement Central Utility Plant Enters Complex New Phase

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Alaska Airlines

Top

A precast utility vault located in Center Way North on the south side of Parking Structure 3 is installed by Los Angeles Department of Water and Power work crew.

Right

A utility distribution vault located at the southwest corner of Parking Structure 3 in front of TBIT isolates utilities that are fed from the New CUP and distributed in different directions. These utilities will meet in the vault and service the New Tom Bradley International Terminal, existing TBIT, and Terminal 3.

**PLEASE SEND
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For the latest visual progress of the Central Utility Replacement Project, please visit our "CUP Cam" at <http://www.earthcam.com/clients/lax/?project=cam3>. For the latest traffic alerts and the overall LAX modernization, please visit: <http://la-next.com/index2.html>.

Crews have been working diligently behind-the-scenes of the construction barriers to first assess the soil in which construction takes place, followed by installation of large concrete vaults which will help provide access to pipes for future maintenance and eliminate the need to excavate again. Work is followed by fitting in pipes ranging in diameters of 12, 24 and 36 inches for approximately 18 miles worth of piping and ductwork that will extend throughout the terminal area.

The intricate placement and connection of these utility lines require patience and careful planning, especially when transferring the flow of water from the old system to the new one in procedures called "cut overs." This is part of a major effort to not only modernize the aesthetic elements of LAX, but also its crucial infrastructure.



Albert Rodriguez

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