



## Los Angeles International Airport Modernization at a Glance

Los Angeles World Airports (LAWA) is in the midst of a multi-billion-dollar capital improvement program at Los Angeles International Airport (LAX). The centerpiece of the program is the New Tom Bradley International Terminal (New TBIT) Project, which includes new gate and concourse areas and a Great Hall for luxury dining and retail. LAWA also completed a \$737-million renovation in 2010 of the existing TBIT that upgraded the facility with a new in-line baggage screening system and interior improvements to enhance service and convenience to passengers and tenants who use LAX's primary international terminal. Additionally, there are several major airfield and facility projects underway that are part of the LAX development program. These include a new Central Utility Plant, new taxiways and taxilanes, and renovations to other terminals.

### ■ The New Tom Bradley International Terminal

The architectural jewel of the LAX modernization program, this \$1.9-billion project will provide greater capacity to TBIT's west side with a total of 18 gates, nine of which will comfortably accommodate passenger loads for new-generation aircraft and a Great Hall for premier dining and retail shopping. It is considered to be the largest public works project in the history of the City of Los Angeles creating nearly 40,000 construction-related jobs over the course of the four-year project schedule. Completion of Phase 1 West Side Gates and Great Hall is scheduled for summer 2013. Phase 2 East Gates are scheduled to be completed in two phases 2014 and 2015 in order to maintain full air service operations..

### ■ Central Utility Plant Replacement

This \$438-million project will replace the 50-year-old existing Central Utility Plant (CUP) with a modern energy-efficient facility with state-of-the-art computerized management systems. The new CUP will enhance passenger comfort, and reliability of utility service and safety within the newly renovated and modernized terminals. Project completion is scheduled for 2014.

### ■ Elevator, Escalator, and Moving Walkway Modernization

This \$270-million project will replace or refurbish 212 outdated systems with new, modern units throughout the airport. New escalators, elevators, and walkways will speed travelers to their gates and baggage claim areas in a safe and efficient manner with energy-saving, sustainable technology. Replacement of all units is scheduled for completion in 2016.

### ■ In-line Baggage Handling and Screening System Program

The In-Line Baggage Handling and Screening System Program will improve and automate the security screening of checked baggage at all LAX terminals and will make travel through LAX safer, faster and more convenient. The total cost of the program covering all nine LAX terminals is estimated at \$613 million, with reimbursement expected to total \$460 million from the Transportation Security Administration. LAWA is responsible for the projects at Terminal 3 and the Tom Bradley International Terminal. The airlines in Terminals 1, 2, 4, 5, 6, 7 and 8 will pay for their respective systems. The TBIT, T-3 and T-5 projects are completed.

### ■ Terminal 5 Renovation

This \$229-million renovation/modernization will improve passenger service and security with a new in-line baggage screening system, expansion and streamlining of the federal passenger screening check points and international passenger processing facilities. A new baggage claim facility, new elevators and escalators, and new passenger amenities such as lounges and dining options reflecting Los Angeles culture and cuisine are currently under way. Completion is scheduled for 2015.

### ■ Runway Status Lights Project

This \$7-million, state-of-the-art system helps increase airfield safety by using a series of lights embedded in the pavement to warn pilots if it is unsafe to cross or enter a runway, or to take off. The installation of this system significantly reduces the possibility of airfield incursions, making LAX much safer for the traveling public. A prototype system was installed in June 2009 with this full system scheduled for completion by 2015.

## --- COMPLETED PROJECTS ---

### ■ Taxilane S

Completed November 2011, Taxilane S created a 3,785-foot-long taxilane to connect Taxiway B on the south airfield and Taxiway E on the north airfield to provide ramp access for aircraft using the west gates of the New Tom Bradley International Terminal. Taxilane S also alleviates aircraft congestion and reduces delays that occur at existing taxiways during peak operational periods. The cost of the project was \$175 million.

### ■ LAX Airport Response Coordination Center (ARCC)

Completed December 2010, the \$13.9-million Airport Response Coordination Center (ARCC) acts as a high-tech nerve center that streamlines operational efficiency and crisis management capabilities via one dedicated facility staffed by both airport and federal agency personnel. An adjacent room houses the Incident Management Center/Department Operation Center (IMC/DOC), that is activated in the event of a critical incident or airport emergency. The IMC/DOC acts as a command center and integrates all resources of responding airport divisions and federal agencies.

### ■ LAX LAFD Aircraft Rescue and Firefighting (ARFF) Station No. 80

Completed November 2010, the \$13.5-million ARFF Station improves airfield safety by doubling the size of the original facility with seven bays to house and maintain rescue vehicles and emergency-response equipment, as well as accommodate 14 firefighters per shift. Station 80 is centrally located on the LAX airfield to respond immediately to emergencies on both the north and south runway complexes.

### ■ Theme Building Renovation

Completed June 2010, this \$12.3-million project renovated the exterior of the iconic Theme Building and included a unique Tuned Mass Damper located on the roof of the structure to seismically retrofit the building.

### ■ Tom Bradley International Terminal Modernization

Completed May 2010, this \$737-million project upgraded the former facility with a new in-line baggage screening system and interior improvements to enhance customer service and convenience in LAX's primary international terminal. Among its most noticeable elements are upgraded information display systems; warmer, inviting ticketing lobby; a gleaming, redesigned Customs Hall; and unique video art installations in the Arrivals Lobby.

### ■ Crossfield Taxiway Project (Taxiway R)

Completed May 2010, the \$138-million Crossfield Taxiway Project connects the north and south airfield complexes at LAX and improves safety and efficiency. This project was one of the enabling projects needed to move aircraft movements away from construction zones associated with the New Tom Bradley International Terminal build out to the west.

### ■ South Airfield Improvement Project

Completed June 2008, this \$333-million project relocated Runway 25L/7R 55 feet to the south of its previous location to provide room for a new center taxiway to improve runway safety. The benefit of this project allows arriving aircraft to enter a center taxiway, slow down, and receive important instructions from the air traffic control tower before continuing onto more active lanes.

### ■ Terminal 6 Renovation

Completed summer 2012 this \$238-million renovation/modernization increased lobby space, replaced traditional ticketing counters with new check-in kiosks, bag-check stations, and a behind-the-scenes in-line baggage handling system. Additional security screening checkpoints were added to facilitate quicker screening, and the number of gates increased. Alaska Airlines also made improvements to its branding and décor, as well as to its club lounge.