

New Parking Structure

Project Overview

Construction of the Long Beach Airport Parking Structure included a new 1,989-space parking structure, a 247-space surface parking lot, as well as utility and roadway improvements which were built on the existing surface of Parking Lot B and a portion of Lot C. This project was critical to the Long Beach Airport. Previously, nearly 50 percent of the Airport's vehicle parking was on leased land off Airport property. This new structure benefits customers by bringing all parking on-site and within walking distance of the terminal.

Project site-work began in December 2009 and included improvements to various utilities and rehabilitation of the terminal access roadway. This work resulted in an Airport access loop beginning and ending at Lakewood Boulevard immediately



north of the Long Beach Fire Department Headquarters. The extended road improves traffic circulation around the terminal and parking facilities. The Barbara London Drive return loop remained in operation throughout construction.

The parking structure project was awarded to ARB, Inc. as a design/build contract. The parking structure, designed by Watry Design, complements the historic terminal building, with curved corners and graduated frontage that maintain a line of sight to the historic terminal. The new structure also features glazed stairwells, decorative glass panels, and a stand-alone glass elevator intended to reduce the horizontal impact on the street.

A peaceful, tree-lined outdoor courtyard with drought resistant landscaping are key features of the design. The structural system consists of cast-in-place post-tensioned beams and columns with a movement resistant frame lateral system to maintain an open facade.

The parking structure was budgeted at \$58.6 million. The project was funded through a federal stimulus bill Build America Bond, General Airport Revenue Bond (GARB), and Passenger Facility Charges (PFC). Approximately \$4 million of the project cost is eligible for PFC Funds.

Construction

Improvements entailed a new parking structure with 1,989 vehicle spaces, a new surface parking lot with 247 vehicle parking spaces, necessary modifications to the roadways serving the Airport as well as the structure, and improvements to the terminal area utilities.



The site-work portion of the project began in December 2009 and included improvements to various utilities and rehabilitation of the terminal access roadway. The far right lane of Lakewood Boulevard between Donald Douglas Drive and Spring Street was closed to traffic from April through summer 2010 to allow for the lengthening of the terminal access roadway. This work resulted in an Airport access loop beginning and ending at Lakewood Boulevard immediately north of Long Beach Fire Department Headquarters. The Barbara London Drive return loop remained in operation throughout construction.

The project was completed in July 2011.

Green Components

The parking structure roof is designed to support solar panels. Additionally, the existing pavement was reused as select fill for the project.

Economic Impact

This project included over 50 different construction trades. Airport engineering staff estimate the project supported approximately 450 jobs through both the design and construction phases. The contractor was required to comply with Section 3 of the Housing and Urban Development Act of 1968 and worked to provide job training and employment opportunities for low and very low-income Long Beach residents.

Project Cost

The parking structure was budgeted at \$58.6 million. The project was funded through a federal Build America Bond, a General Airport Revenue Bond (GARB) and Passenger Facility Charges (PFC). Approximately \$4 million of the project cost was eligible for PFC Funds.

Contractors

ARB, Inc. was selected as the design/build contractor for the project. ARB Inc. is a multinational construction company headquartered in Lake Forest, California with satellite offices throughout the United States, South America, and Latin America. Founded in 1946, ARB is a construction contractor that also provides engineering, fabrication and maintenance services to public and private entities.