

# new directions

*Building on Excellence*

spring 2009  
improvement program information from john wayne airport



## Terminal C and Parking Structure C

Originally designed to accommodate 8.4 million annual passengers, today's 448,000 square-foot Thomas F. Riley Terminals A and B have served millions of passengers since they opened in 1990. Construction of a new multi-level Terminal C will add 282,000 square-feet to the terminal complex and a new Parking Structure C will provide 2,000+ much-needed parking spaces.

Design of these state-of-the-art structures has been completed by Gensler – the same firm that designed the Riley Terminal more than 20 years ago. To take advantage of the striking aesthetics and functionality of the current facilities, Terminal C has been designed to look and feel much like Terminals A and B. In addition to aesthetic continuity, the Airport's design goals included flexibility, efficiency of use and affordability.

"It's been nearly two decades since we designed the Riley Terminal so the opportunity to design the third Terminal at JWA was exciting, but it also presented some unique challenges," said Keith Thompson, Principal, Gensler. "The Airport made it clear that equality between the facilities was a top priority. We needed to make the new terminal fit in seamlessly with the existing terminals, while reflecting contemporary terminal design characteristics where possible."

One of Gensler's goals for Terminal C was to include a unique design element – thus the introduction of the "horizontal curve." This feature is intended to reflect and continue the existing curved design of the vaulted ceilings in Terminals A and B. Use of the curve in a horizontal fashion in Terminal C is subtle, but it appears throughout the design. An enclosed bridge features the curved design connecting Terminal B to Terminal C. Beyond security screening, a centralized concession area, which includes a new marketplace with a variety of food, beverage, news and gift stores, also features curved walls and prominent overhangs for signage. The horizontal curve is also featured at the southerly end of the Terminal C concourse, as the frame of the new permanent commuter holdroom.



In addition to structural aesthetics, the Airport is focusing on the design of operational systems as well. Terminal C has been designed to support state-of-the-art technologies that facilitate a safe, secure and efficient experience for the traveling public. A Common Use Passenger Processing System (CUPPS) will be implemented in all three terminals to provide a standard platform that will allow any airline to use any gate, thus maximizing the efficiency of our terminals. Passenger-friendly work areas and charging stations will be included in the gate areas. New LCD monitors will be installed in all three terminals to improve the quality of our flight information and baggage information displays. A new computer-based system is being installed in the parking structures that will allow passengers to know which structures have spaces available and where those spaces are located.

The good news is that these facilities and amenities are moving closer to reality. Last December, the Orange County Board of Supervisors approved the construction documents for Terminal C and Parking Structure C and authorized the Airport to invite bids for both projects. Strong and competitive bids were received in April and once contracts are awarded by the Board, scheduled for Summer 2009, construction will begin! ▼

## Recent Accomplishments:

### *The Board of Supervisors:*

- Awarded a contract to Citigroup as underwriter to assist the Airport in issuing Airport Revenue Bonds;
- Authorized the Airport to issue a Request for Proposals for Design-Build Services for the Central Utility Plant;
- Adopted the list of Prequalified General Contractors and specialty Sub-contractors and authorized the Airport to issue a Notice Inviting Bids for construction of Terminal C, Improvements to Terminals A & B, and construction of a South Commuter Holdroom;
- Authorized the Airport to issue a Notice Inviting Bids for construction of Parking Structure C;
- Awarded a contract to Heery International, Inc. for Commissioning Services for Terminal C and the Central Utility Plant;
- Authorized the Airport to issue a Request for Qualifications for Design-Build Services for design and construction of Common Use Passenger Processing System (CUPPS) and Multi-User Flight Information Display Systems (MUFIDS) for Terminals A, B and C.

### *Construction:*

- Completed removal of a general aviation (GA) hanger to create more ramp parking for GA aircraft;
- Completed about two-thirds of deconstruction of Parking Structure B1, which closed permanently September 2, 2008 to make way for Terminal C;
- Installed an underground hydrant fuel line to be used for aircraft fueling at Terminal C.

Amendments to the "Settlement Agreement" – the regulatory framework that governs operations at JWA – allowed the County to increase passenger capacity at JWA and to build the new facilities necessary to accommodate additional passengers, while maintaining an environmentally sensitive operation.

The Airport Improvement Program includes construction of a new multi-level terminal building with six new commercial passenger gates, six new security checkpoints, greater baggage screening capability, 2,000+ new parking spaces, new commuter facilities at the north and south ends of the extended terminal.

With the major policy, environmental and financial foundation in place, JWA is moving forward with the Airport Improvement Program and is committed to providing those who live in and visit Orange County with safe, efficient, and attractive airport facilities. ▼▼

## Looking Ahead:

### *Staff will recommend the Board of Supervisors:*

- Authorize the Airport to utilize Design-Build Services and issue a Request for Proposals for the design and construction of an Automated Baggage Handling System upgrade in Terminals A and B, and a new system in Terminal C;
- Award a contract for construction of Terminal C and Improvements to Terminals A & B;
- Award a contract for construction of Parking Structure C;
- Award a contract for Design-Build Services and for construction of a Central Utility Plant.

### *Construction:*

- Complete the deconstruction of Parking Structure B1;
- Begin construction of Terminal C and Parking Structure C;
- Begin construction of the Central Utility Plant.

## South RON Complete

The John Wayne Airport Improvement Program is moving full steam ahead! With some low-profile, but important construction behind us, the Airport is looking forward to the start of construction on Terminal C, Parking Structure C and our new Central Plant.

One of the first major projects of the Airport Improvement Program has now been completed. Construction of the South Remain-Over-Night (South RON) aircraft parking area was wrapped up in January 2009. This was considered a major enabling project because it had to be completed before the Airport could move on to construction of the new terminal and parking structure. The project included the relocation of the South RON aircraft parking area further south to make room for construction of the new Terminal C. Other components of the project included the construction of a replacement general aviation aircraft hangar, temporary Parking Lot C (which is being used for passenger vehicle parking during construction), installation of an underground aircraft fueling hydrant system, and a new guard gate at the air field's Dove Street entrance. To see more about the new South RON area and Parking Lot C, please visit [www.ocair.com/improvements](http://www.ocair.com/improvements).



John Wayne Airport  
Eddie Martin Administration Building  
3160 Airway Avenue  
Costa Mesa, CA 92626  
949.252.5171  
[www.ocair.com/improvements](http://www.ocair.com/improvements)