



FULL CIRCLE
NEWSLETTER

An e-Newsletter for the Clients and Friends of C.T. Hsu + Associates, P.A.

August 2010

FEATURED PROJECT

ORLANDO INTERNATIONAL AIRPORT AIRSIDES 1 & 3



In April 2010, CTH+A completed the \$197 million renovation and rehabilitation of Orlando International Airport's Airsides 1 and 3 to coordinate with the newer Airsides 2 and 4. One of the planning challenges for this project involved performing the renovations while allowing OIA to maintain 24/7 airline operations and passenger service for the traveling public.

The first phase of the project began in earnest five years earlier when OIA sustained significant damage from the multiple hurricanes of 2004. The design/build team mobilized just hours after the eye of the first storm passed over the airport with sustained winds of 105 miles per hour, joining forces with airport staff to perform an airport-wide conditions assessment and provide emergency protection to the unsecured areas. The subsequent rehabilitation included the roofing and glazing of the two Airsides.

Phase II of the project completed the rehabilitation of Airsides 1 and 3 to a level equivalent to the newer Airsides 2 and 4 facilities in terms of passenger circulation, additional concession space, public seating, building systems improvements, building envelope improvements, and upgrade and replacement of interior finishes. Specific renovations included upgrading the mechanical and electrical infrastructure; modifying the central energy plant with a new chiller; expanding and updating the hubs in each of the four quadrants; creating shell space for a new food court/gift shop; and upgrading the wings with new carpet, tile, wall finishes and a new roof skylight.

"C.T. Hsu + Associates took on the challenge and worked with all stakeholders, including the Aviation Authority staff, contractors, airlines, and tenants, to bring the project to successful conclusion without any significant incidences or operational disruptions," said Steve Gardner, P.E., Executive Director of the Greater Orlando Aviation Authority. "The C.T. Hsu team was successful in also accomplishing all of our goals in the project. Particularly important to the Aviation Authority was the creation of parity space with our newer air sides, remaining within the budget, and maintaining the original schedule commitments. These were no small accomplishments on a project of the size and complexity of this undertaking."

"A primary focus of our design intent for this rehabilitation was to improve the facility's ability to provide a first-class passenger experience - and by extension, Orlando experience - while minimizing disruptions to the airlines, concessions and passengers," explained Jim Hughes, AIA, LEED AP, CTH+A's Principal Project Manager. "This was accomplished with a new modernized airside that provides an aesthetically-pleasing experience with state-of-the-art systems, interiors and furniture."

The construction spanned two and a half years and was completed in April 2010.

The firm's other transportation-related projects include:

- LYNX Downtown Orlando Regional Intermodal Center Master Plan
- Florida's Turnpike Turkey Lake Headquarters and Pompano Beach Operations Center
- Orlando - Orange County Expressway Authority Administration Center
- Universal Studios Transportation Center
- Amway Center Parking Complex

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