

# Port Columbus Crossover Taxiway and Service Bridges

Columbus, OH

Type: **Post-Tensioned Cast-in-Place Frame**  
Services: **Conceptual Design, Visualizations, and Final Design**  
Cost: **\$10.5 Million**  
Completion Date: **2008**  
Client: **Columbus Regional Airport Authority**  
**7250 Star Check Drive #100**  
**Columbus, OH 43217**

The Port Columbus International Airport in Columbus, Ohio, needed a crossover taxiway so that aircrafts could travel from the terminal building to the outer runways. The bridge is designed to carry a 747-400 aircraft weighing 894,900 pounds. A post-tensioned cast-in-place concrete structural system with integral abutments was selected. A hydronic deicing system consisting of tubes containing glycol from a pump and heater was embedded into the deck to keep it from icing during Ohio winters. Two additional narrower service bridges were also built following the same architectural language. A system of striking blue linear lights were integrated into the underside of the bridge and inclined abutments. The clean and elegant spans create a new gateway into the airport with their understated architecture and visual consistency.

