Columbus Airport Bridges

Columbus, OH

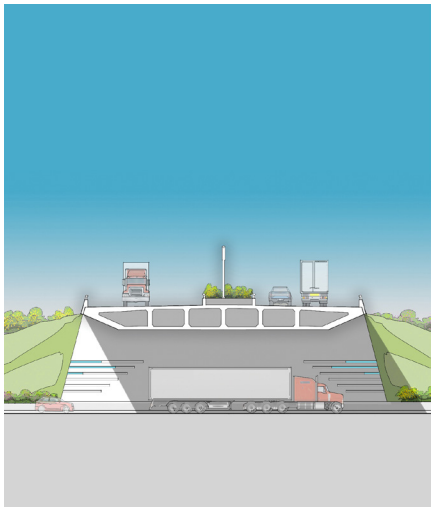
Type: **Post-tensioned cast-in-place frame**

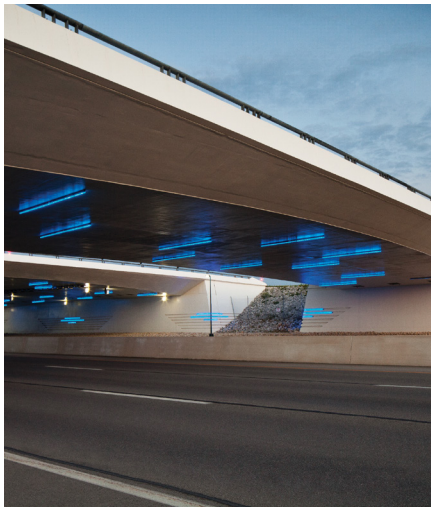
Services: **Conceptual, preliminary, and final design**
Aesthetic lighting design

Cost: **$10.5 million**

Client: **Columbus Regional Airport Authority**
7250 Star Check Drive #100
Columbus, OH 43217

The John Glenn Columbus International Airport in Columbus, Ohio, needed a crossover taxiway so that aircraft 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 was integrated into the underside of the bridge and inclined abutments. The clear, elegant spans create a gateway into the airport with understated architecture and visual consistency.





ROSALES
BRIDGES AS STRUCTURAL ART

84 Mount Vernon Street
Boston, MA 02108

t 617 247 7499
m 617 501 6202

info@rosalespartners.com
rosalespartners.com