

Rich Street Bridge

Columbus, OH



Columbus is graced by a number of elegant arch bridges and the Rich Street Bridge was designed to provide an attractive gateway to the city. Rich Street provides visual link between traditional Broad Street and contemporary Main Street. Large 10-foot sidewalks grace the structure.

The precast arch bridge was designed with a 100-year life with minimal maintenance. Epoxy-coated reinforcing steel (ECR rebar) was used within the structure to provide corrosion protection to the reinforcing steel and to facilitate the 100-year life requirement. In addition, the cast-in-place deck was overlaid using a 1 1/2-inch micro-silica modified concrete overlay.

Team

Owner:

Ohio Department of Transportation
District 6, Delaware, OH

Bridge Designer / Engineer:

Burgess and Niple, Columbus, OH

Construction Engineering:

Finley Engineering Group, Tallahassee, FL

General Contractor:

Kokosing Construction Company, Inc.,
Columbus, OH

Design Criteria:

- Provide an arched bridge to provide a visual link with existing structures.
- Provide 100-year design life with minimal maintenance.

Total Project Cost:

\$13 million

Total Size:

LENGTH: 562 ft

WIDTH: 60 ft

Photography:

Shutterstock

Ohio Department of Transportation



Epoxy-Coated Reinforcing Steel

COST-EFFECTIVE CORROSION PROTECTION

A Better Product Using More Than 40 Years of Improved Manufacturing and Coating Technologies.