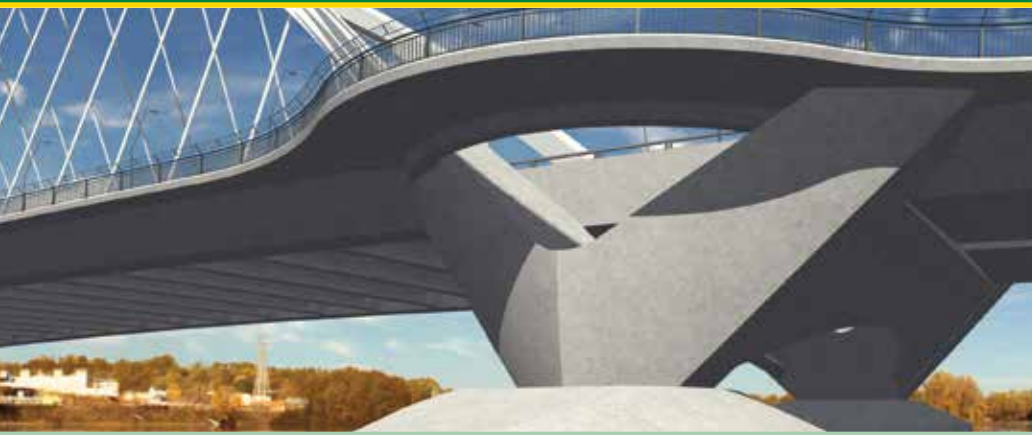


Lowry Avenue Bridge over the Mississippi River

Minneapolis, MN



The original Lowry Avenue Bridge crossing the Mississippi River was originally constructed in 1905. This bridge was demolished after 51 years and replaced in 1958 with a new 5-span truss bridge with a total length of 889 ft and a width of 57.2 ft with a 33 ft clearance. After 100 years, the piers for the bridge exhibited deterioration and the bridge was closed on April 25, 2008 due to safety concerns.

Construction began in 2010 on a new basket handle tied-arch bridge designed by T.Y. Lin. The new \$80 million bridge will be 1576 ft long and 107 ft wide, almost twice that of the 1958 era bridge.

The bridge features expanded sidewalks, high efficiency color adjustable LED lighting, an anti-icing system that senses the conditions for icing and automatically disperses anti-icing material across the surface that can be remotely controlled from the county's Public Works Facility and a new underground storm-water treatment facility that will also serve more than 80 acres of the surrounding community. Epoxy-coated reinforcing steel (ECR rebar) was used to provide corrosion protection to the reinforcing steel.

Team

Owner:
Hennepin County

Designer:
T.Y. Linn

Engineer:
McNary Bergeron & Associates

General Contractor:
Lunda Construction Inc.

Total Project Cost: \$80 million

Total Size:
LENGTH: 1576 ft

WIDTH: 107 ft

Epoxy-coated Reinforcing Steel:
2,000 tons

Photography:
lowryavenuebridge.com/ConstructionNews.