



Quincy Memorial Bridge over the Mississippi River

Project Description

Rehabilitation of the 3,600-foot long, 37-span bridge carrying US 24 [eastbound] over the Mississippi River, at Quincy, Illinois.

The scope of work included:

- structural steel repairs in the river truss spans
- new floor beam structural steel in the approach spans
- new wearing surface
- deck repairs
- new roadway
- new navigation lighting



Owner -- Illinois Department of Transportation
 Architects -- Illinois Department of Transportation
 Completion Date -- June 2003
 Contract Value -- \$5,800,000



Project Details

- Fabrication and erection of 40 tons of structural steel, for repairs in the truss spans over the river.
- Fabrication and erection of new steel for floor system repairs in the approach spans.
- 86,000 SF of bituminous wearing surface removal and replacement.
- 3,000 square feet of Shotcrete repairs to substructure piers.
- Rehabilitation of 37 existing bridge expansion joints with new silicone and polymer concrete.
- Repair of 20,000 square feet of existing concrete filled steel grid bridge deck.
- Cleaning and painting of the entire bridge -- 500,000 square feet.

Unique Challenges

- Structural steel repairs to the bridge` using the safe-span platform system suspended from the bottom chord of the bridge.
- Logistics planning in order to complete the work on a 24-foot wide bridge without the use of barges.
- Use of under-bridge platform equipment to perform steel repairs in order to minimize impact with river traffic.
- Design and installation of a temporary shoring system for the floor system steel repairs.

Contact Information

Halverson Construction Co., Inc.
 620 North 19th Street
 Springfield, Illinois 62702
 Phone: 217-753-0027 | Fax: 217-753-1904