



# McKinley Bridge over the Mississippi River

## Project Description

Reconstruction and rehabilitation of the McKinley Bridge over the Mississippi River, from Ninth Street in St. Louis, Missouri, to Bremen Ave in Venice, Illinois. The project consists of:

- removal and replacement of the east and west approach spans
- structural steel repairs and replacement in the truss spans over the river
- pavement milling and resurfacing
- removal of the toll plaza
- guardrail replacement
- new roadway and navigation lighting



Owner -- Illinois Department of Transportation  
 Architects -- Hardesty & Hanover  
 Completion Date -- November 2007  
 Contract Value -- \$44,500,000



## Project Details

- 2,200 tons of new steel piling for the reconstruction of the approach spans
- 1,030 tons of new reinforcing steel for superstructure & substructure concrete
- 121 tons of structural steel repairs in the truss spans
- 4,200 cubic yards of reinforced concrete for the reconstruction of the substructure
- 5,900 cubic yards of reinforced concrete for the new superstructure
- Removal and disposal of contaminated soil
- Performance and coordination of multiple rehabilitation contracts occurring simultaneously on the bridge

## Unique Challenges

- Design & implementation of a method for replacement of the existing pins in the truss spans
- Coordination with active railroads and utilities under the bridge
- Coordination with the chemical plant property under the bridge on the west approach spans
- Protection of pedestrian and vehicle traffic under the work areas
- Design and installation of a rolling scaffolding system for access for structural steel repairs over the river

## Contact Information

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