



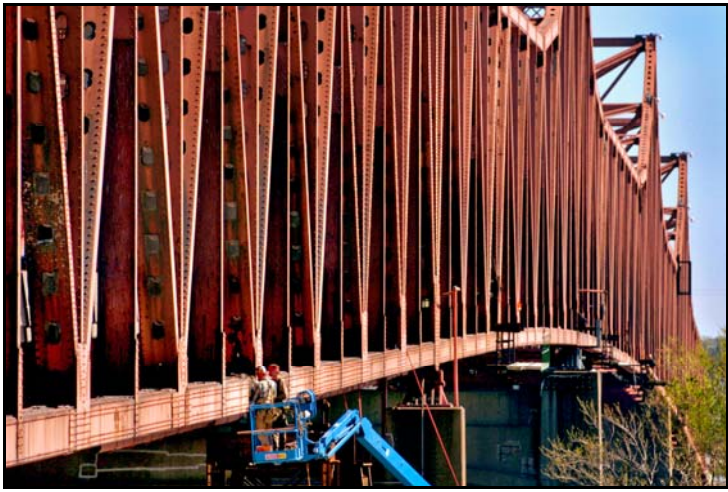
# Murray Baker Bridge over the Illinois River at Peoria

## Project Description

Removal and replacement of the North approach spans to the Murray Baker Bridge carrying Interstate 74 over the Illinois River in Peoria, Illinois.

The scope of work includes:

- reconstruction of the approach spans
- rehabilitation of the truss spans
- replacement of 16 truss pins
- replacement of a truss bearing
- complete removal and shoring of 180' of the truss span, to accommodate the construction of reconfigured on/off ramps to Interstate 74



Owner -- Illinois Department of Transportation  
 Architects -- Alfred Benesch & Company  
 Completion Date -- October 2005  
 Contract Value -- \$11,500,000



## Project Details

- Furnish and erect 1,325 tons of new structural steel for the approach spans
- 90 tons of structural steel repair in the truss spans
- Installation of 350 tons of steel piling for new substructure work
- Placement of 445 tons of reinforcing steel
- 1,765 cubic yards of reinforced concrete for new substructure in the approach spans
- 2,500 cubic yards of reinforced concrete for the new superstructure

## Unique Challenges

- Design and installation of a falsework system capable of supporting the existing truss, during removal of a 180' truss section, to facilitate construction of a new interchange.
- Jacking and removal of an existing bridge bearing, using eight 565 ton jacks, for a total load of 2,000 tons.
- Design and installation of a temporary support method to replace sixteen 12" diameter pins in the existing truss.

## Contact Information

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