

PATTERSON ROAD BRIDGE — WILL COUNTY 2014

Client: Centerpoint Properties

Rempe-Sharpe was selected for the structural review and construction phase engineering requested by the City of Joliet on the Centerpoint Intermodal Center – North Patterson Road Bridge over the Union Pacific Railroad tracks, a privately owned and maintained bridge.

Project entailed the reconstruction of an existing single span structure over BNSF within the City of Joliet. The bridge is 277' back-to-back of abutments, 44' wide out-to-out of deck, constructed of 60" plate girders with 2" bituminous asphalt wearing surface supported by concrete stub abutments on "H" piles and concrete wingwalls.

The City of Joliet required the bridge be reconstructed and loading be increased to 90,000 lb truck weight to accommodate over weight vehicles within the Centerpoint Properties Intermodal facility. Reconstruction included the removal and replacement of the existing bridge deck, removal of the west ends of the abutment and widening the abutments and wingwalls to accommodate a new bridge 176' long and 44' wide.

Rempe-Sharpe provided:

Design Cycle

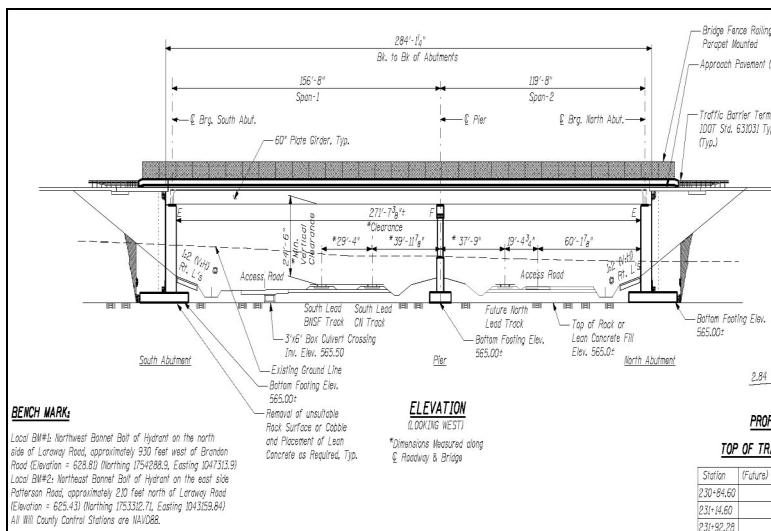
- ◆ Client Kickoff Meeting
- ◆ Outside Agency Permitting (Union Pacific)
- ◆ Review of geotechnical reports, calculations, plans, specifications, estimates and bond requirements.

Construction Cycle included:

- ◆ Full resident engineering
- ◆ Preconstruction meeting
- ◆ Shop Drawings reviews of reinforcing fabrication and bridge plate girders
- ◆ Inspection of footing, pier, abutment, framing, deck, parapets and curbs
- ◆ Witnessed pour of footings, pier, abutment, deck, curbs and parapets

REFERENCE::

Brian Sheehan
Centerpoint Properties
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Elevation Plan Sheet



Rempe-Sharpe Resident Construction Phase service insures compliance with plans and specifications, while adding value to project flow and coordination.