

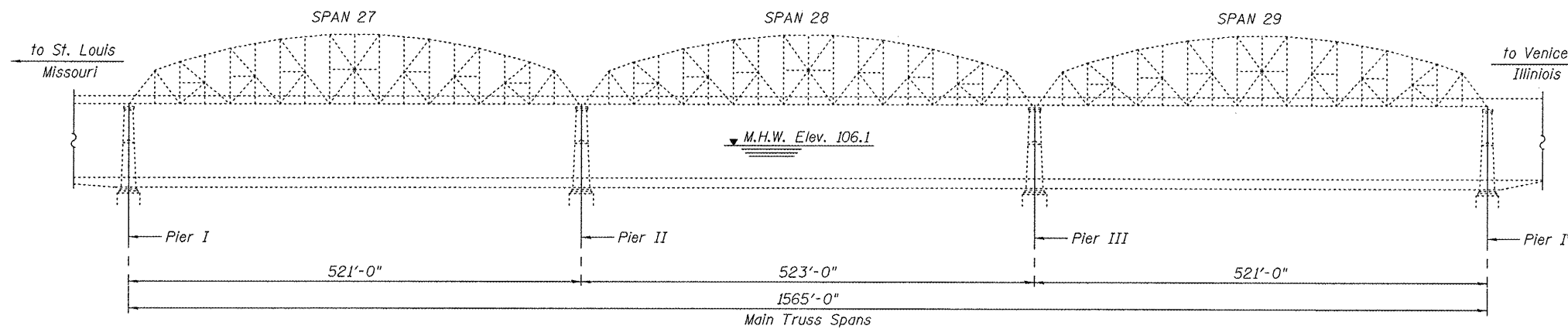
Bench Mark: Provided by District upon request.

Existing Structure: Built in 1910 and rehabilitated in 2007. The bridge consists of three through-truss main river spans with approach spans made of plate girders and rolled beams.

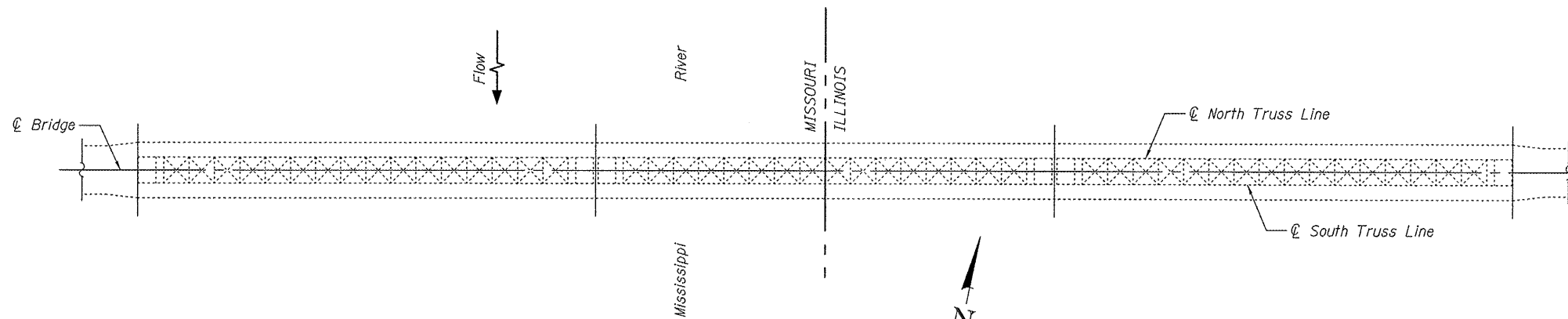
Proposed Repairs: Installation of eyebar restraint on Through-Truss Span 27 at Joint L14, North Truss. In addition, a beam shelf assembly shall be required at this location. Other work includes replacement of 34 pin collars at 21 locations.

No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN

GENERAL NOTES

Fasteners shall be ASTM A307, mechanically galvanized bolts. Bolts 1/2-in. ϕ , holes 9/16-in. ϕ , unless otherwise noted.

All structural steel shall be AASHTO M 270 Grade 50, unless noted otherwise. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all steel surfaces shall be Munsell Brown, color code V255. See Special Provision for "Cleaning and Painting New Metal Structures".

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision, "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Existing structural steel (pins) shall be coated as required by the Special Provision, "Cleaning and Painting Existing Steel Structures".

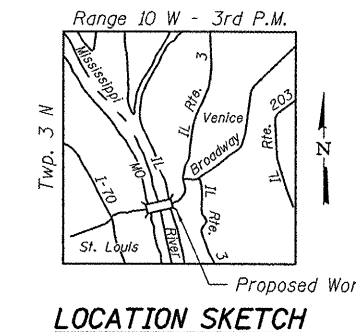
The fabricator shall provide 2 gallons of finish coat for final touch-up after erection.

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Main Span Truss Elevation and Table of Repair Locations
- 3 Eyebar Restraint Details
- 4 Existing Pin Collar Removal and Replacement Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Furnishing and Erecting Structural Steel	Pound	2034
Structural Steel Repair	Pound	1209

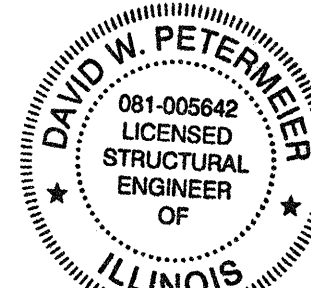


LOCATION SKETCH



DESIGNED - M.E.L.	200
CHECKED - D.W.P.	EXAMINED
DRAWN - P.R.C.	PASSED
CHECKED - M.E.L.	ENGINEER OF BRIDGES AND STRUCTURES

11/23/2009



David W. Petermeier, 3/14/11

DAVID W. PETERMEIER
EDWARDSVILLE, ILLINOIS
ILLINOIS LICENSED STRUCTURAL
ENGINEER NO. 081-005642
EXPIRES 11/30/2012

GENERAL PLAN AND ELEVATION
McKINLEY BRIDGE OVER MISSISSIPPI RIVER
BETWEEN VENICE, ILLINOIS AND ST. LOUIS, MISSOURI
MADISON COUNTY
STRUCTURE NO. 060-6002

SHEET NO. 1	F.A.U. RTE. 9105	SECTION 119 BR-I	COUNTY MADISON	TOTAL SHEETS 6	SHEET NO. 3
4 SHEETS	SN 060-6002		CONTRACT NO. 76E19		
FED. ROAD DIST. NO. 7 [ILLINOIS] FED. AID PROJECT					