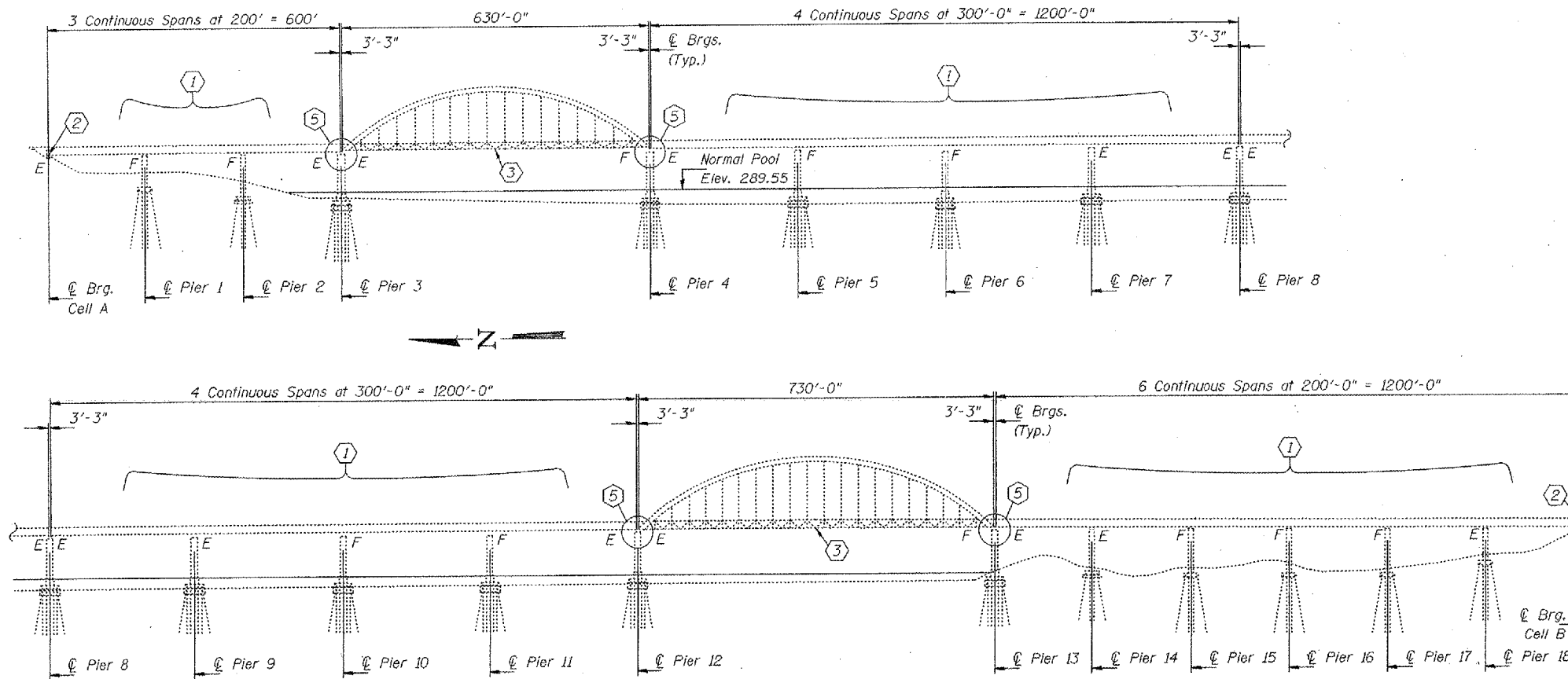


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

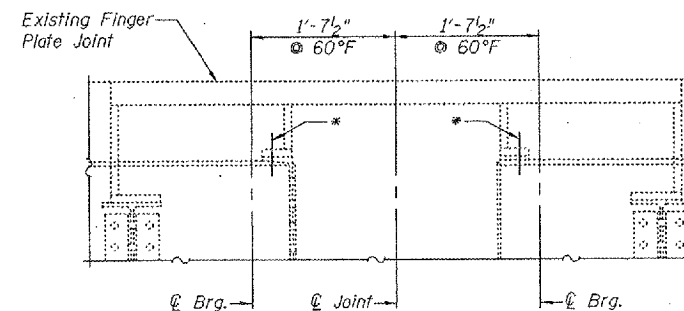
CONTRACT: 98990
ROUTE: INTERSTATE 24
SECTION: (64-3B) I-6
COUNTY: MASSAC, IL; McCRACKEN, KY
SHEET 81 OF 99
FOR INFORMATION ONLY



ELEVATION

- ① Core drill longitudinal stiffeners. See repair detail "P" on sheet 18 of 22. See framing plans on sheets 2 thru 9 of 22 for exact locations and quantity.
- ② Remove and replace existing Rocker Bearings with Pot Bearings and Concrete Pedestals. See repair detail "Q" on Sheets 19 and 20 of 22.
- ③ Cable retrofit in bottom chord of arched spans. See repair detail "R" on Sheet 21 of 22.
- ④A Thru Stringer end repairs. See framing plans on sheets 2 thru 9 of 22 for specific repair types and locations.
- ④M
- ⑤ Remove and Replace broken bolts at finger plates. See Repair Detail "S" on this sheet.

* Missing or broken 7/8" ϕ bolts at these locations shall be replaced. Contractor must verify shim pack thickness in order to determine appropriate bolt length at each location. (Estimated number of bolts required = 35). Cost included with Structural Steel Repair.



REPAIR DETAIL "S"

GENERAL NOTES

- All new structural steel shall conform to AASHTO Classification M-270 Gr. 36. Unless otherwise noted.
- All new fasteners shall be high strength bolts. Holes shall be 1/16" ϕ for 3/4" high strength bolts (except as noted on the plans).
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the 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 should take appropriate precautions to deal with the presence of lead on this project.
- Existing Structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".
- All stringer and repairs shall be considered to be primary connections.
- The Contractor shall ensure that no infringement of the navigational underclearance or channel occurs while doing the work. Any infringement shall be approved by the Coast Guard. The Contractor shall contact Mr. Roger Wlebusch, Eighth Coast Guard District, 1222 Spruce Street, St. Louis, Mo. 63103, (314)-539-3900 for requirements needed to obtain the necessary permits.
- Contractor must ensure that no debris remains inside the bottom chords after the Post-Tension Cable Retrofit work is completed.
- Direction indicator barricades shall be required on all lane closure tapers.
- The inorganic zinc rich primer / acrylic / acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1. See special provisions for Cleaning and Painting New Metal Structures. Cost included with Structural Steel Repair.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	11070
Stiffener Intersection Modification	Each	1055
Post-Tension Cable Retrofit	Each	912
Concrete Structures	Cu. Yd.	3.4
Reinforcement Bars, Epoxy Coated	Pound	450
Removal of Existing Bearings	Each	4
Jacking and Cribbing	Each	4
Floating Bearings, Guided Exp. 700 K.	Each	4

DESIGNED *Paul J. Moran*
CHECKED *VICTOR H. VELLEZ*
DRAWN *[Signature]*
CHECKED *PSSJ VHV*

March 27, 2003
EXAMINED *John A. Morris*
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

REVISED PLAN SHEETS

ELEVATION
F.A.I. 24 OVER OHIO RIVER
MASSAC COUNTY
S.N. 064-0035