

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	*	ST. CLAIR	99	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT- 1M-70		
* 82-3HVB-3R-5		SHEET S-2 OF S-56		
CONTRACT NO. 76985				

GENERAL NOTES:

- Plan dimensions and details relative to existing plans are subject to routine 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
- Contractor shall be responsible for furnishing and installing all parts and materials necessary to complete the repairs indicated herein. Contractor shall also provide any tools, equipment, and machinery as necessary to complete the repairs indicated herein.
- Contractor shall locate all active and abandoned utilities, traffic signs, traffic observation cameras, and other traffic control devices and appurtenances that may interfere with the installation of repairs. The contractor shall either protect or temporarily relocate and restore all active utilities, signs, cameras, and other devices to the satisfaction of the Engineer. If abandoned utilities interfere with installation of repairs, contractor shall coordinate with Engineer, and shall remove and dispose of such utilities if so directed by Engineer.
- Calculated weight of Structural Steel, Grade 50W: 15,650 Lbs.
Calculated weight of Structural Steel, Grade 36W: 7,790 Lbs.
- Unless noted otherwise, Fasteners shall be high strength bolts. All threaded rods and dowels shall conform to the mechanical properties and thread configuration of AASHTO M164 bolts. In bolted applications, threads shall not be permitted in shear planes, unless noted otherwise.
- Threads on all bolts, rods, and dowels not installed per AISC specifications shall be peened with a hammer.
- Welding electrodes shall be low hydrogen E70XX, unless noted otherwise. Weld metal shall have a minimum CVN of 25 Ft.-Lb. at 20°F.
- All turnbuckles, clevises, and pins shall be galvanized and capable of developing the ultimate strengths of the corresponding assemblies.
- No field welding is permitted except as specified in the contract documents.
- Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
- 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 Interstate Green, Munsell No. 7.5 G 4/8. 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 Area of Existing Steel Structure".
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- The existing structural steel coating contains lead. The contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Any additional microsilica concrete, beyond the quantities shown in the plans, needed to fill partial depth repair areas or other depressions (e.g. due to previous milling of the bridge deck) shall be paid for at the Contractor's actual material cost for the microsilica concrete per cubic yard plus 15 percent. Refer to special provision "Bridge Deck Microsilica Concrete Overlay.
- Prior to initiating staged traffic control, the Contractor shall remove all debris and protruding reinforcing steel from all sections of existing sidewalks and parapets exposed to traffic. Associated cost shall be included with the pay item for "Concrete Removal)
- The Contractor shall remove stay-in-place forms in the vicinity of each existing floor drain as directed by the Engineer. Area of removal will be approximately 5 square feet at each existing floor drain and shall be considered included with the pay item for "Concrete Removal". There are approximately 325 existing floor drains on Roadway A.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (II Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.

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DESIGNED	VARIOUS
CHECKED	HH
DRAWN	CLK
CHECKED	JEL

GENERAL NOTES & INDEX OF DRAWINGS

REVISIONS	
NAME	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
REHABILITATION AND RETROFIT REPAIRS
FAI ROUTE 70
POPLAR STREET BRIDGE APPROACHES
ST. CLAIR COUNTY

STRUCTURE NO. 082-0141 (ROADWAY A)
SCALE: N.T.S.
DATE: 02/01/2007