

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	*	ST. CLAIR	111	25
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT- 1H-70		

* 82-3HVB-3R-3 SHEET S-2 OF S-44
CONTRACT NO. 76305

GENERAL NOTES:

1. 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 materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. 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.
3. 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.
4. Calculated weight of Structural Steel, Grade 50W: 40,540 Lbs.
Calculated weight of Structural Steel, Grade 36W: 7,940 Lbs.
5. 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. All bolts, threaded rods, wire rope, and hardware shall be galvanized according to IDOT galvanized bolt provisions. In bolted applications, threads shall not be permitted in shear planes, unless noted otherwise.
6. Threads on all bolts, rods, and dowels not installed per AISC specifications shall be peened.
7. Welding electrodes shall be low hydrogen E70XX, unless noted otherwise.
Weld metal shall have a minimum CVN of 25 Ft.-Lb. at 20°F.
8. All turnbuckles, clevises, and pins shall be galvanized and capable of developing the ultimate strengths of the corresponding assemblies.
9. Field welding of construction accessories will not be permitted to beams or girders.
10. Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.
The roadway expansion plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.
11. Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.
12. All construction joints shall be bonded.
13. 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 acrylic finish coat shall be Interstate Green, Munsell No. 7.5 G 4/B. See Special Provision "Cleaning and Painting New Metal Structures."
14. 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".
15. Prior to pouring the new concrete deck, all loose rust, loose mill scale, and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04.

All existing construction accessories welded to the top flange over the pier(s) between the quarter points of the beams or girders shall be removed. The remaining weld shall be ground smooth and inspected for cracks using magnetic particle testing. Any crack that can not be removed by grinding approximately 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of this work will be paid for according to Article 109.04.
16. The existing structural steel coating contains lead. The contractor should take appropriate precautions to deal with the presence of lead on this project.
17. 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."
18. 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".
19. 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 220 existing floor drains on Roadway D.

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DESIGNED	JEL
CHECKED	JPD
DRAWN	CLK
CHECKED	JEL

REVISIONS	
NAME	DATE

GENERAL NOTES

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

STRUCTURE NO. 082-0142 (RAMP S)

SCALE:

DATE: 02/28/2006