

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / TOTAL SHEETS
IL 84	(1,218-2M)	HENRY and ROCK ISLAND	23	3	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	CONTRACT 64E1B		

**GENERAL NOTES**

No field welding is permitted except as specified in the contract documents.

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 based at the unit price bid for the work.

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 qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding  $\frac{1}{4}$  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.

All new structural steel shall conform to AASHTO M 270 Grade 50 unless otherwise noted.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 .  
See Special Provisions

Fasteners shall be high strength, bolts  $\frac{3}{4}$ " $\phi$ ,  
open holes  $\frac{13}{16}$ "  $\phi$  unless otherwise noted.

The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

All structural steel shall be shop painted with the Inorganic zinc rich primer per AASHTO M-300, Type 1. Cost shall be Included In the cost of Finger Plate Expansion Joint, 4".

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Calculated weight of new structural steel = 20,570 Lbs.

Reinforcement bars designated (E) shall be epoxy coated.

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".

Tapered shims shall be added under the stools, as required by the Engineer, to make a smooth finger joint. Cost shall be included with Finger Plate Expansion Joint.

Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved splicer or anchorage system. Cost shall be included with concrete removal.

The Contractor shall provide support for the finger plate while the concrete is green to account for the eccentric loads.

DESIGNED	M.H.
CHECKED	P.B.
DRAWN	C.L.
CHECKED	M.H./P.B.

**GENERAL NOTES**  
IL ROUTE 84 OVER ROCK RIVER  
FAP ROUTE 595 (IL 84), SECTION (1,218-2-M)  
HENRY COUNTIES  
STATION 189+44  
STRUCTURE NO. 037-0128

SCALE: DATE: July, 2009

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