

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.P. 304	5BR-2	CALHOUN	60	26	28 SHEETS
FED. ROAD DIST. NO. 7	ILL. DIST.	FED. AID PROJECT			

Contract #76948

**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.  
Bolts  $\frac{7}{8}$  in.  $\phi$ , holes  $\frac{9}{16}$  in.  $\phi$ , unless otherwise noted.  
Calculated weight of Structural Steel = 60,570 lbs. of Grade 50 and 5,150 lbs. of Grade 36.  
No field welding is permitted except as specified in the contract documents.  
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions  
Reinforcement bars designated (E) shall be epoxy coated.  
If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.  
Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of  $\frac{1}{8}$  inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shiming the bearings.  
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 interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5 G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".  
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.  
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.  
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.  
The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		126	126
Stone Riprap, Class A5	Sq. Yd.		1,479	1,479
Filter Fabric	Sq. Yd.		1,479	1,479
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		424	424
Floor Drains	Each	7		7
Concrete Structures	Cu. Yd.		168.0	168.0
Concrete Superstructure	Cu. Yd.	155.4		155.4
Bridge Deck Grooving	Sq. Yd.	402		402
Concrete Encasement	Cu. Yd.		10.8	10.8
Protective Coat	Sq. Yd.	576		576
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2,376		2,376
Reinforcement Bars, Epoxy Coated	Pound	35,670	16,480	52,150
Bar Splicers	Each	415	102	517
Furnishing Steel Piles HP 12x53	Foot		575	575
Furnishing Steel Piles HP 14x89	Foot		620	620
Driving Piles	Foot		1,195	1,195
Test Pile Steel HP 12x53	Each		2	2
Test Pile Steel HP 14x89	Each		2	2
Temporary Sheet Piling	Sq. Ft.		673	673
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		48	48
Geocomposite Wall Drain	Sq. Yd.		79	79
Pipe Underdrains for Structures 4"	Foot		106	106
Underwater Structure Excavation Protection, Location #1	Each		1	1
Underwater Structure Excavation Protection, Location #2	Each		1	1
Asbestos Bearing Pad Removal	Each	48		48

DESIGNED	YSS
CHECKED	RLM
DRAWN	PRC
CHECKED	RLM



02/27/08

**GENERAL STRUCTURE DATA**  
**IL. ROUTE 100 OVER**  
**CRAWFORD CREEK**  
**F.A.P. ROUTE 304 - SECTION 5BR-2**  
**CALHOUN COUNTY**  
**STATION 467+59.00**  
**STRUCTURE NO. 007-0027**