

**GENERAL NOTES**

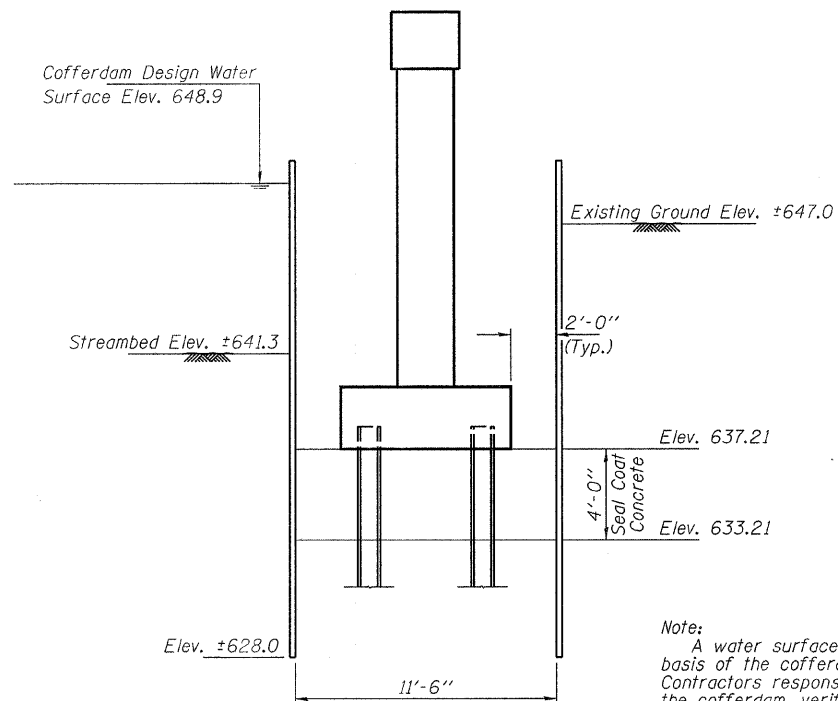
Fasteners shall be AASHTO M164 Type 3, mechanically galvanized bolts.  
 Bolts  $\frac{3}{8}$ " $\phi$ , holes  $\frac{1}{8}$ " $\phi$ , unless otherwise noted.  
 Calculated weight of Structural Steel = 387,070 lbs.  
 All structural steel shall be AASHTO M 270 Grade 50W, (except expansion joints which shall be AASHTO M270 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. See Special Provisions  
 Reinforcement bars designated (E) shall be epoxy coated.  
 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 shimming the bearings.  
 Concrete Sealer shall be applied to the abutment backwalls and bearing seats.  
 Structural steel shall only be painted for a distance of 10.0 ft. each way from the deck joints. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".  
 All exposed structural steel of the bearings shall be cleaned and shop painted as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".  
 Layout of slope protection system may be varied to suit ground conditions in the field 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 the South Abutment and Pier 3 before ordering the remainder of piles.  
 Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.  
 All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

SANGAMON RIVER  
 BUILT 200\_ BY  
 PIATT COUNTY  
 SANGAMON ROAD DISTRICT  
 SEC. 03-06130-00-BR  
 STR. NO. 074-3296  
 LOADING HL 93

**NAME PLATE**  
 See Std. 515001

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			1,300
Porous Granular Embankment	Cu. Yd.		123	123
Stone Riprap, Class A4	Ton		3,070	3,070
Filter Fabric	Sq. Yd.		3,865	3,865
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		579	579
Cofferdam Excavation	Cu. Yd.		223	223
Cofferdam	Each		1	1
Concrete Structures	Cu. Yd.		295.1	295.1
Concrete Superstructure	Cu. Yd.	377.8		377.8
Bridge Deck Grooving	Sq. Yd.	1,351		1,351
Seal Coat Concrete	Cu. Yd.		64.7	64.7
Protective Coat	Sq. Yd.	1,486		1,486
Concrete Encasement	Cu. Yd.		6.3	6.3
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	5,052		5,052
Reinforcement Bars, Epoxy Coated	Pound	100,430	33,060	133,490
Steel Railing, Type SM	Foot	933		933
Furnishing Steel Piles HP12x84	Foot		1,604	1,604
Furnishing Steel Piles HP12x63	Foot		628	628
Driving Piles	Foot		2,232	2,232
Test Pile Steel HP12x84	Each		1	1
Test Pile Steel HP12x63	Each		1	1
Name Plates	Each		1	1
Preformed Joint Strip Seal	Foot	65		65
Elastomeric Bearing Assembly Type II	Each		8	8
Anchor Bolts, 1 $\frac{1}{4}$ "	Each		16	16
Anchor Bolts, 1 $\frac{1}{2}$ "	Each		24	24
Concrete Sealer	Sq. Ft.		657	657
Geocomposite Wall Drain	Sq. Yd.		57	57
Concrete Headwall for Pipe Drains	Each		4	4
Pipe Underdrains for Structures, 4"	Foot		122	122



Note:  
 A water surface elevation of 648.9 will be the basis of the cofferdam design. It is the Contractor's responsibility to provide a design for the cofferdam, verification of seal coat thickness shown and all other required appurtenances, subject to approval of the Engineer. Plan dimensions of cofferdam are 11'-6" x 38'-0".

**COFFERDAM DETAIL**  
 (Pier 2 End View)

DESIGNED - M.D.C.
CHECKED - S.M.S.
DRAWN - D.A.B.
CHECKED - M.G.B.

**GENERAL DETAILS**  
 STRUCTURE NO. 074-3296

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 548-3400	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	154	03-06130-00-BR	PIATT	57	14
SANGAMON ROAD DISTRICT			CONTRACT NO. 91385		
PROJECT NUMBER: 12-75-0001-1		DATE: 12/22/08		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	