

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 7_8 in. ϕ , holes $^{15}_{16}$ in. ϕ , unless otherwise noted.

All structural steel shall be AASHTO M 270 Grade 50W.

Calculated weight of Structural Steel = 107,700 lbs.

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. Slipforming of the parapets is not allowed.

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.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $l_{\rm B}$ inch (0.01 ft.). Adjustment shall be made either by arinding the surface or by shimming the bearings.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

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 existing bearing pads at Pier 1 and both Abutments contain asbestos. The Contractor shall take appropriate precautions to deal with the presence and disposal of asbestos on this project. See Special Provisions.

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 structure.

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu Yd		108	108
Stone Riprap, Class A4	Sq Yd		1186	1186
Filter Fabric	Sq Yd		1186	1186
Removal Of Existing Structures	Each	1		1
Structure Excavation	Cu Yd		238	238
Floor Drains	Each	20		20
Concrete Structures	Cu Yd	23.3	115.0	138.3
Concrete Superstructure	Cu Yd	337.5	ş.	337.5
Bridge Deck Grooving	Sq Yd	820		820
Concrete Encasement	Cu Yd		6.8	6.8
Protective Coat	Sq Yd	1033		1033
Furnishing And Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	3744	~~	3744
Reinforcement Bars, Epoxy Coated	Pound	81370	9240	90610
Bar Splicers	Each	80	~ ~	80
Furnishing Metal Shell Piles 14" x 0.312"	Foot		1039	1039
Driving Piles	Foot		1039	1039
Test Pile Metal Shells	Each		2	2
Pile Shoes	Each		28	28
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		48	48
Geocomposite Wall Drain	Sq Yd		68	68
Pipe Underdrains For Structures 4"	Foot		144	144
Underwater Struct. Excav. Protection - Loc. 1	Each		1	1
Underwater Struct. Excav. Protection - Loc. 2	Each		1	1
Diamond Grinding (Bridge Section)	Sq Yd	772		772
Asbestos Bearing Pad Removal	Each		84	84

TOTAL BILL OF MATERIAL



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U.S. 136 OVER PRAIRIE CREEK STRUCTURE NO. 057-0245

[F.A.P. RTE.	SECTION		COUNTY	TOTAL	SHEET NO.
SHEET 1 315		120BR-	MCLEAN	49	12	
OF 17		STA. 126+95.70		CONTRACT	NO. 7	0524
	FED. RO	AD DIST. NO. ILL	NOIS FED. AI	D PROJECT		