

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 13,290 pounds (AASHTO M270 Grade 36)
= 261,650 pounds (AASHTO M270 Grade 50)

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.

If the Contractor elects to use cantilever forming brackets on the exterior beams, 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.

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 at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the 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 all exposed surfaces of new concrete in the Piers.

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 of the exterior surfaces and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up and finish coated 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 the bottom of the bottom flange of fascia beams shall be Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures."

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		507	507
Removal of Existing Superstructures	Each	2		2
Concrete Removal	Cu. Yd.		38.4	38.4
Slope Wall Removal	Sq. Yd.		1,356	1,356
Protective Shield	Sq. Yd.	559		559
Structure Excavation	Cu. Yd.		916	916
Concrete Structures	Cu. Yd.		214.4	214.4
Concrete Superstructure	Cu. Yd.	752.1		752.1
Bridge Deck Grooving	Sq. Yd.	1,863		1,863
Concrete Encasement	Cu. Yd.		2.8	2.8
Protective Coat	Sq. Yd.	2,331		2,331
Stud Shear Connectors	Each	10,332		10,332
Reinforcement Bars	Pound		3,350	3,350
Reinforcement Bars, Epoxy Coated	Pound	168,440	36,860	205,300
Bar Splicers	Each	184		184
Slope Wall 4 Inch	Sq. Yd.		1,204	1,204
Furnishing Steel Piles HP10x42	Foot		214.4	214.4
Driving Piles	Foot		214.4	214.4
Pile Shoes	Each		8	8
Name Plates	Each	2		2
Drilled Shaft in Soil	Cu. Yd.		40.5	40.5
Drilled Shaft in Rock	Cu. Yd.		1.6	1.6
Elastomeric Bearing Assembly, Type I	Each	36		36
Anchor Bolts, 1"	Each	48		48
Anchor Bolts, 1 1/4"	Each	48		48
Concrete Sealer	Sq. Ft.		1,749	1,749
Epoxy Crack Injection	Foot		28	28
Geocomposite Wall Drain	Sq. Yd.		263	263
Pipe Underdrains For Structures 4"	Foot		441	441
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		27	27
Furnishing and Erecting Structural Steel Bridge No. 3	L. Sum	1		1
Remove and Reinstall Landscape Block Wall	Sq. Ft.		1,390	1,390

* Quantity is for deck surface and inside face and top of parapets.

GENERAL NOTES AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 081-0022 (E.B.)
STRUCTURE NO. 081-0023 (W.B.)

DESIGNED
CHECKED
DRAWN ASJ
CHECKED SPK

3 REVISED 10/29/10



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SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	280	81-1(HB-2)R	ROCK ISLAND	503	284
54 SHEETS		CONTRACT NO. 64815			
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	