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GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $^{7}/_{8}$ in. ϕ, holes $^{15}/_{16}$ in. ϕ, unless otherwise noted.

Calculated weight of Structural Steel =
3,082,866 lbs. of Grade 50
131,422 lbs. of Grade 36

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

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.

Plan dimensions and details relative to the existing structure are from the existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $^{1}/_{8}$ 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 designated areas of the abutments and piers.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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 gray, Munsell No. 5B 7/1.

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

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction. For this project, the anticipated construction activities within the water are limited to removal of existing piers and riprap placement.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.	-	1,026	1,026
Filter Fabric	Sq. Yd.	-	1,026	1,026
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	1,725	1,725
Concrete Structures	Cu. Yd.	-	935.2	935.2
Concrete Superstructure	Cu. Yd.	1576.8	-	1576.8
Bridge Deck Grooving	Sq. Yd.	4,855	-	4,855
Concrete Encasement	Cu. Yd.	-	13.1	13.1
Protective Coat	Sq. Yd.	5,853	-	5,853
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	11,718	-	11,718
Reinforcement Bars	Pound	-	1,700	1,700
Reinforcement Bars, Epoxy Coated	Pound	386,150	129,140	515,290
Bar Splicers	Each	-	168	168
Mechanical Splicers	Each	-	148	148
Furnishing Steel Piles HP14x89	Foot	-	1,248	1,248
Driving Piles	Foot	-	1,248	1,248
Name Plates	Each	1	-	1
Drilled Shaft in Soil	Cu. Yd.	-	141.6	141.6
Drilled Shaft in Rock	Cu. Yd.	-	55.8	55.8
Preformed Joint Strip Seal	Foot	38	-	38
Finger Plate Expansion Joint, 3"	Foot	36	-	36
Finger Plate Expansion Joint, 4"	Foot	36	-	36
Fabric Reinforced Elastomeric Trough	Foot	84	-	84
Elastomeric Bearing Assembly, Type II	Each	24	-	24
Anchor Bolts, 1"	Each	72	-	72
Anchor Bolts, $1^{1}/_{4}$"	Each	36	-	36
Anchor Bolts, $1^{1}/_{2}$"	Each	12	-	12
Concrete Sealer	Sq. Ft.	-	2,128	2,128
Geocomposite Wall Drain	Sq. Yd.	-	179	179
Drainage Scuppers, DS-11	Each	24	-	24
Pipe Underdrains for Structures 4"	Foot	-	176	176
Micro-piles	Each	-	94	94
Micropile Proof Load Test	Each	-	4	4
High Load Multi-Rotational Bearings, Guided Expansion, 550k	Each	12	-	12
Granular Backfill for Structures	Cu. Yd.	-	374	374
Tension Micropiles	Each	-	48	48
Tension Micropile Load Test	Each	-	4	4

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USER NAME =	DESIGNED - RLM	REVISED
	CHECKED - JTH	REVISED
PLOT SCALE =	DRAWN - PRC	REVISED
PLOT DATE = 2/1/2013	CHECKED - RLM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL STRUCTURE DATA
STRUCTURE NO. 014-0033
SHEET NO. 3 OF 61 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	1-1BR-2	CLINTON	159	72
		CONTRACT NO. 76479		
	ILLINOIS FED. AID PROJECT			