GENERAL NOTES

Fasteners shall be ASTM A325 Type 1. mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts ${}^{3}_{4}$ " diameter, holes ${}^{13}_{16}$ " diameter, unless otherwise noted.

Calculated weight of Structural Steel = 891,630 Pounds

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

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 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 girder at each of these additional bracket locations.

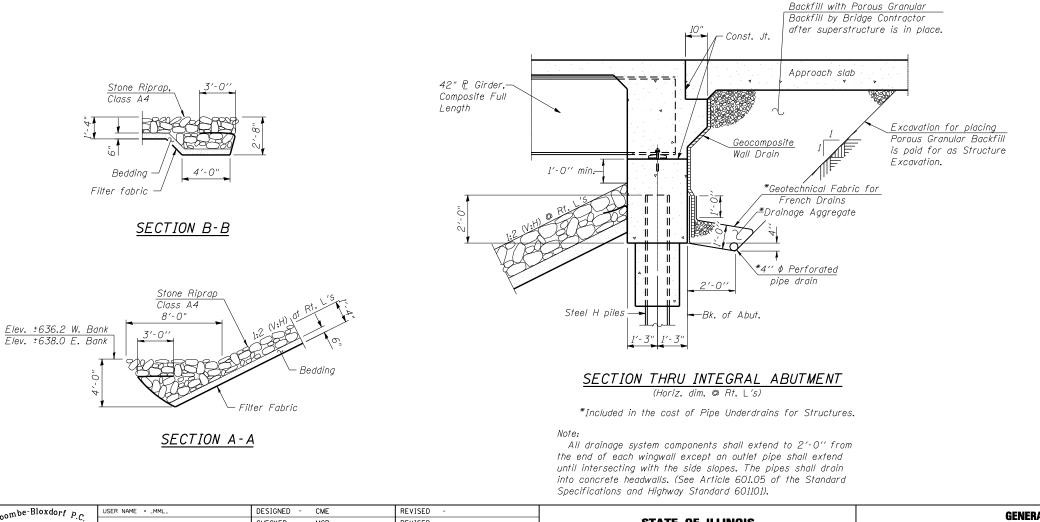
Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

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.

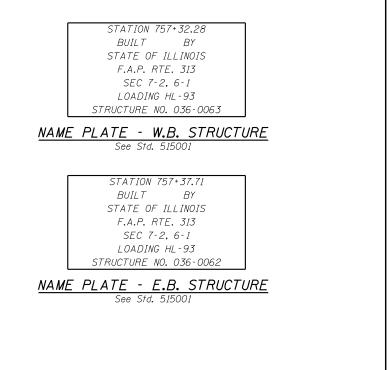
Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

Slipforming of parapets will not be allowed.



coombe-Bloxdorf P.C. **GENERAL D STATE OF ILLINOIS** B -CIVIL ENGINEERS--STRUCTURAL ENGINEERS-CHECKED MCB REVISED STRUCTURE NO. 036-0062 (E LOT SCALE = 8:0.000000 ':" / IN. RAWN MML REVISED **DEPARTMENT OF TRANSPORTATION** -LAND SURVEYORS-SHEET NO. 2 OF sign Firm LOT DATE = 11/28/2012 CHECKED REVISED License No. 184-002703 MCB

TOTAL BILL OF MATERIAL								
ITEM	UNIT	SUPER	SUB	TOTAL				
Porous Granular Backfill	Cu. Yd.		316	316				
Stone Riprap Class A4	Sq. Yd.		2526	2526				
Filter Fabric	Sq. Yd.		2526	2526				
Structure Excavation	Cu. Yd.		524	524				
Cofferdam Excavation	Cu. Yd.		602	602				
Concrete Structures	Cu. Yd.		424.6	424.6				
Concrete Superstructure	Cu. Yd.	1173.6		1173.6				
Bridge Deck Grooving	Sq. Yd.	3125		3125				
Seal Coat Concrete	Cu. Yd.		105.6	105.6				
Concrete Encasement	Cu. Yd.		13.2	13.2				
Protective Coat	Sq. Yd.	3874		3874				
Furnishing and Erecting Structural Steel	L. Sum	0.67		0.67				
Stud Shear Connectors	Each	14,076		14,076				
Reinforcement Bars, Epoxy Coated	Pound	293,350	49,420	342,770				
Bar Splicers	Each	172		172				
Furnishing Steel Piles HP 14x73	Foot		800	800				
Furnishing Steel Piles HP 14x89	Foot		1800	1800				
Driving Piles	Foot		2600	2600				
Test Pile Steel HP 14x73	Each		3	3				
Test Pile Steel HP 14x89	Each		5	5				
Pile Shoes	Each		58	58				
Anchor Bolts 1"	Each	72		72				
Anchor Bolts 14"	Each	24		24				
Name Plates	Each	2		2				
Geocomposite Wall Drain	Sq. Yd.		172	172				
Cofferdam (Type 2) - Location 1	Each		2	2				
Pipe Underdrains for Structures 4"	Foot		322	322				



DATA	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
E.B.) & 036–0063 (W.B.)	313	7-2, 6-1	HENDERSON	976	455			
			CONTRACT	NO. 6	8409			
45 SHEETS	ILLINOIS FED. AID PROJECT							