

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = AASHTO M270, Grade 50, 97190 lbs.
AASHTO M270, Grade 36, 7380 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 (IL Modified). See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.
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. See Special Provision for "Cleaning and Painting New Metal Structures".

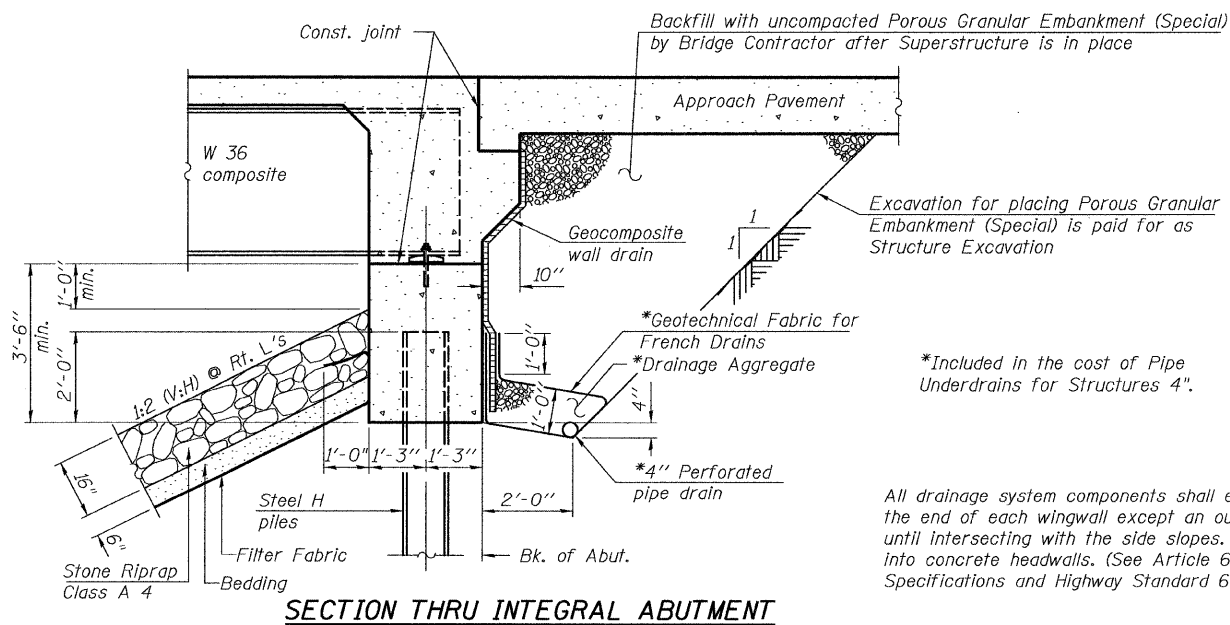
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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 of the superstructure. If the Contractor's procedures for existing beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The contractor shall sawcut the upper portion of the existing abutment at the Stage Removal Line before Stage 1 removal to ensure the remaining portion will not be prematurely damaged.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		138	138
Stone Riprap Class A4	Sq. Yd.		1155	1155
Filter Fabric	Sq. Yd.		1155	1155
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		154	154
Concrete Structures	Cu. Yd.		37.8	37.8
Concrete Superstructure	Cu. Yd.	144.2		144.2
Bridge Deck Grooving	Sq. Yd.	359		359
Protective Coat	Sq. Yd.	449		449
Furnishing and Erecting Structural Steel	Lump Sum			1
Stud Shear Connectors	Each	1638		1638
Reinforcement Bars, Epoxy Coated	Pound	30590	5940	36530
Furnishing Steel Piles, HP12x63	Foot		396	396
Driving Piles	Foot		396	396
Name Plates	Each		1	1
Floor Drains	Each		10	10
Temporary Sheet Piling	Sq. Ft.		470	470
Temporary Soil Retention System	Sq. Ft.		136	136
Concrete Encasement	Cu. Yd.		4.2	4.2
Anchor Bolts, 1" ϕ	Each		24	24
Geocomposite Wall Drain	Sq. Yd.		88	88
Pipe Underdrains for Structures, 4"	Foot		135	135
Bar Splicers	Each	396	20	416



All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

**GENERAL NOTES AND TOTAL
BILL OF MATERIAL
U.S. ROUTE 45 OVER MARTIN CREEK
F.A.P. RT. 328 SEC. (9BR1-10BR1) B-1
WAYNE COUNTY
STATION 139+10.00
STRUCTURE NO. 096-0069**

PLOT DATE = 10/14/08
FILE NAME = \Users\jmc\p10000\p10000.dgn
PLOT SCALE = 0x10000 1" = 100'
USER NAME = JMC

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

PROJECT NO. 07053-8
SCALE
DATE 10/14/08
DRAWN BY TFG
CHECKED BY CME/RM/MCB

SHEET NO. 2
17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	(9BR1-10BR1) B-1	WAYNE	67	25
CONTRACT NO. 74214				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				