

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 16	07-00944-00-BR	CHAMPAIGN	45	11
STA.	TO STA.			
F.H.W.A. REG.	ILLINOIS	PROJECT		

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" dia., nuts 5/8" dia., unless otherwise noted.
 Calculated weight of Structural Steel = 159,791 pounds.
 All structural steel shall be AASHTO M270 Grade 50W.

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.

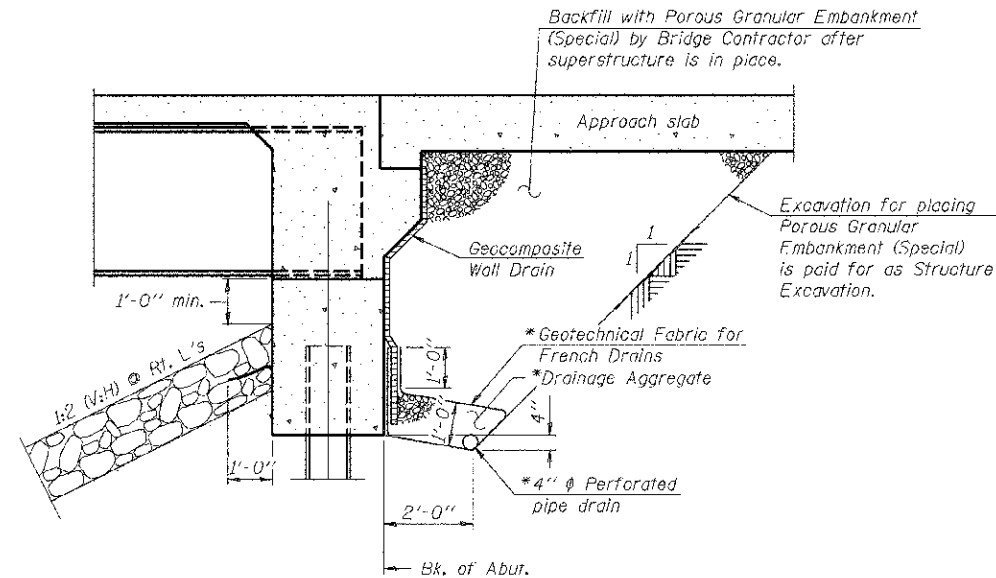
Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

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.



SECTION THRU INTEGRAL ABUTMENT
 (Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures 4".

Note:

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 60110).

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Notes, Total Bill of Material, and Details
- 3-4 Top of Slab Elevations
- 5-6 Top of Approach Slab Elevations
- 7-8 Superstructure
- 9 Concrete Parapet Slipforming Option
- 10-11 Framing Plan & Beam Details
- 12 Diaphragm Details
- 13-14 Abutments
- 15 Piers
- 16-17 Bridge Approach Slab Details
- 18 Cantilever Forming Brackets
- 19 HP Pile Details
- 20 Bar Splicer Assembly Details
- 21 Soil Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1		1
Bridge Deck Grooving	Sq. Yd.	646		646
Concrete Superstructures	Cu. Yd.	348.6		348.6
Concrete Structures	Cu. Yd.		107.7	107.7
Reinforcement Bars, Epoxy Coated	Pound	81,120	9,640	90,760
Protective Coat	Sq. Yd.	881		881
Name Plates	Each	1		1
Structure Excavation	Cu. Yd.		256	256
Porous Granular Embankment, Special	Cu. Yd.		135	135
Stud Shear Connectors	Each	3870		3870
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing Steel Piles HP 10x42	Foot		1510	1510
Driving Piles	Foot		1510	1510
Pile Shoes	Each		32	32
Test Pile Steel HP 10x42	Each		4	4
Grouted Riprap	Sq. Yd.		798	798
Concrete Cut-Off Wall	Cu. Yd.		6.2	6.2
Floor Drains	Each	26		26
Cofferdam Type 1, Location 1	Each		1	1
Cofferdam Type 1, Location 2	Each		1	1
Bar Splicers	Each	68		68
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		74	74
Pipe Underdrains for Structures 4"	Foot		240	240

GENERAL PLAN AND ELEVATION
 SECTION: 07-00944-00-BR
 CHAMPAIGN COUNTY
 Q STATION 10+00