

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. II	10-00962-00-BR	CHAMPAIGN	40	10
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., holes 15/16" dia., unless otherwise noted.

Calculated weight of Structural Steel = 63,501 pounds.
 All structural steel shall be AASHTO M270 Grade 50W.
 All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

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.

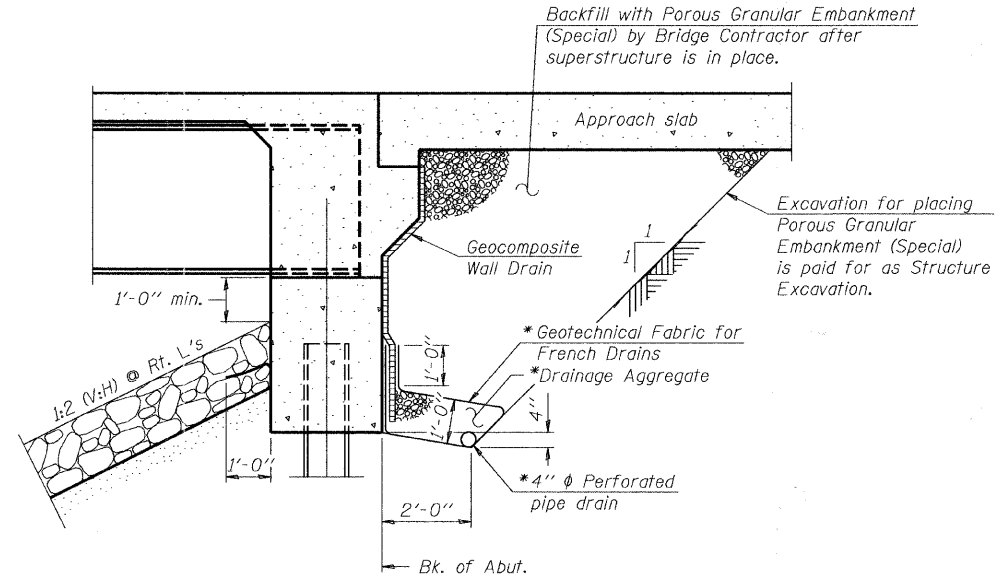
Reinforcement bars designated (E) shall be epoxy coated.

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 601101).

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1		1
Bridge Deck Grooving	Sq. Yd.	605		605
Concrete Superstructures	Cu. Yd.	263.1		263.1
Concrete Structures	Cu. Yd.		138.2	138.2
Reinforcement Bars, Epoxy Coated	Pound	62,790	11,260	74,050
Protective Coat	Sq. Yd.	561		561
Name Plates	Each	1		1
Structure Excavation	Cu. Yd.		220	220
Porous Granular Embankment	Cu. Yd.		77	77
Stud Shear Connectors	Each	3528		3528
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing Steel Piles HP 10x42	Foot		1577	1577
Driving Piles	Foot		1577	1577
Pile Shoes	Each		28	28
Test Pile Steel HP 10x42	Each		4	4
Grouted Riprap	Sq. Yd.		427	427
Concrete Cut-Off Wall	Cu. Yd.		6.2	6.2
Floor Drains	Each	14		14
Underwater Structure Excavation Protection - Location 1	Each		1	-1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Bar Splicers	Each		68	68
Anchor Bolts, 1"	Each		48	48
Geocomposite Wall Drain	Sq. Yd.		45	45
Pipe Underdrains for Structures 4"	Foot		120	120

GENERAL PLAN AND ELEVATION
 SECTION: 10-00962-00-BR
 CHAMPAIGN COUNTY
 Q STATION 10+00