

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Reinforcement bars designated (E) shall be epoxy coated.
 Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

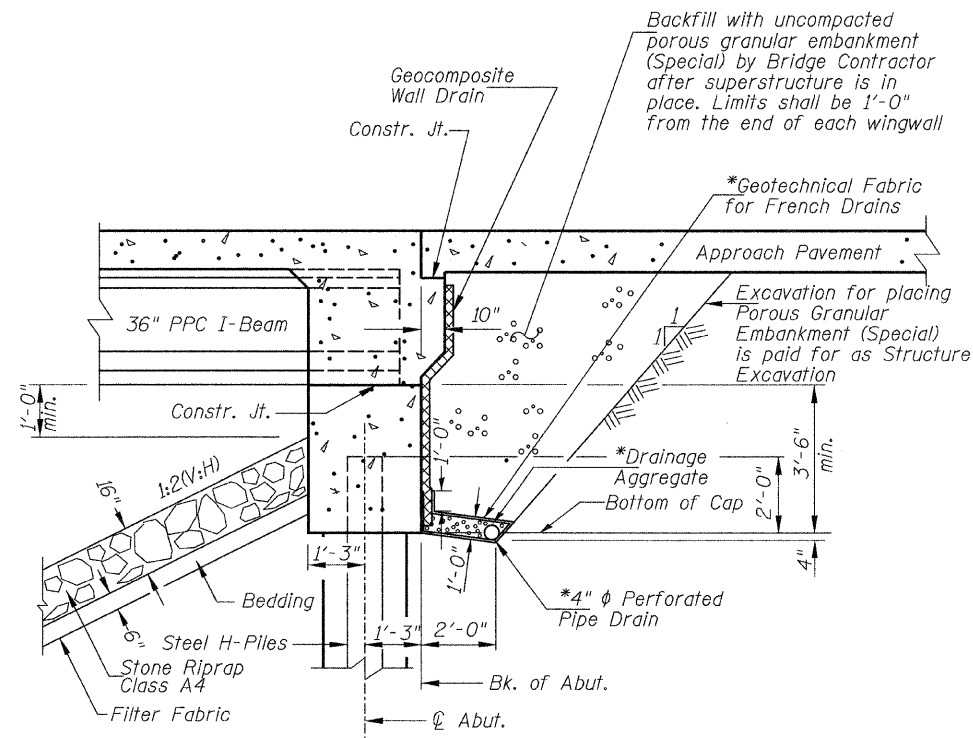
For Soil Borings, See Special Provisions.

Protective Coat shall be applied to the top of the deck, edge of deck, and approach pavement.

Bridge Deck Grooving is figured 1'-0" from rail face and includes the approach pavements.

All embedded and separate bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.



*Included in the cost of Pipe Underdrains for Structures. 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)

SECTION THRU INTEGRAL ABUTMENTS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
① Removal of Existing Structures No. 2	EACH	—	—	1
Structure Excavation	CU YD	—	295	295
Channel Excavation	CU YD	—	1,050	1,050
Concrete Superstructure	CU YD	180.1	—	180.1
Concrete Structures	CU YD	—	225.7	225.7
Furnishing Steel Piles HP12x53	FOOT	—	2,130	2,130
① Driving Piles	FOOT	—	2,130	2,130
① Test Pile Steel HP12x53	EACH	—	4	4
Concrete Encasement	CU YD	—	11.8	11.8
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	FOOT	858	—	858
Anchor Bolts, 1/2"	EACH	—	8	8
① Reinforcement Bars, Epoxy Coated	POUND	39,660	19,730	59,390
① Mechanical Splicers	EACH	—	88	88
Stone Riprap, Class A4	TON	—	710	710
① Filter Fabric	SQ YD	—	865	865
Steel Railing, Type SM	FOOT	293	—	293
Protective Coat	SQ YD	792	—	792
Bridge Deck Grooving	SQ YD	714	—	714
Name Plates	EACH	—	1	1
① Pipe Underdrains for Structures, 4"	FOOT	—	143	143
Bridge Approach Pavement	SQ YD	—	—	160
① Porous Granular Embankment (Special)	CU YD	—	115	115
Geocomposite Wall Drain	SQ YD	—	66	66
Bar Splicers	EACH	48	—	48
① Underwater Structure Excavation Protection, Location 1 (Pier #1)	EACH	—	1	1
① Underwater Structure Excavation Protection, Location 2 (Pier #2)	EACH	—	1	1

① See Special Provisions

**GENERAL NOTES, DETAILS, AND BILL OF MATERIAL
 C.H. 12 OVER JOES CREEK
 SECTION 07-00090-00-BR
 MACOUPIN COUNTY**

SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	CH 12	07-00090-00-BR	MACOUPIN	77	31
		SN 059-3557	CONTRACT NO. 93538		
		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT BRS-0732(148)		