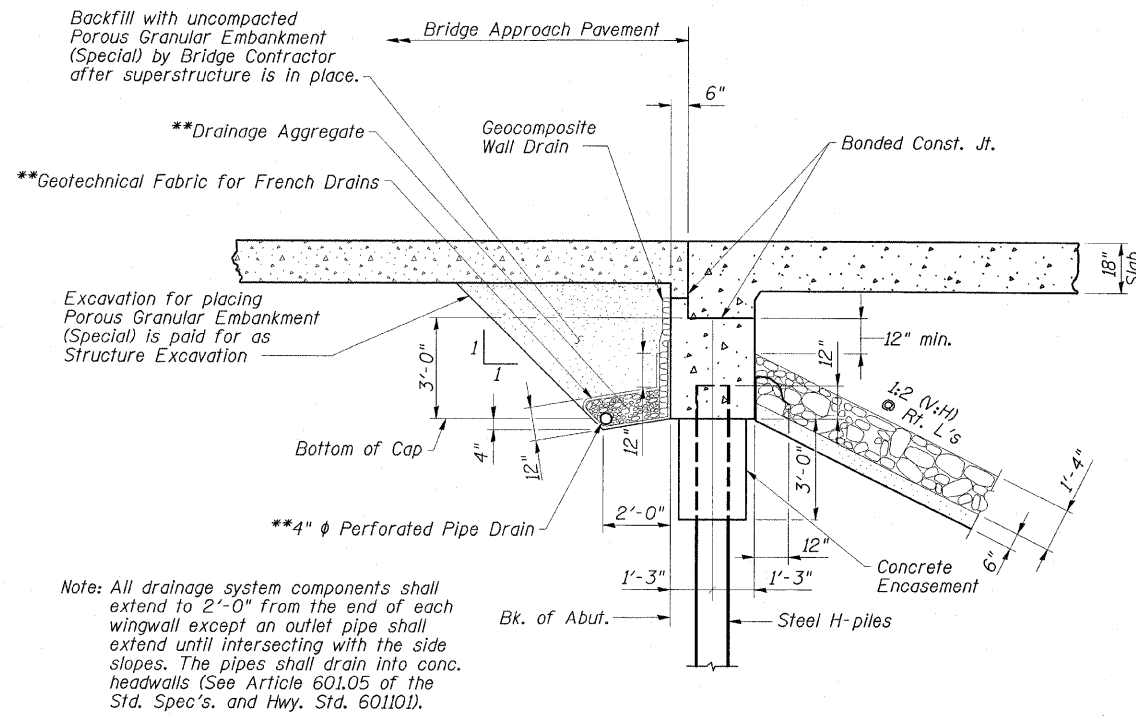


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

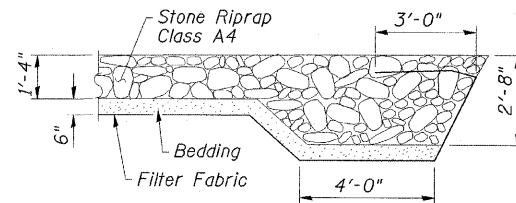
ROUTE NO.	SECTION	COUNTY	STATE SHEETS	SHEET	SHEET NO. 2
FAP 328	*	CLAY	109	79	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 74107 * (8BR-4)B-1		



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 conc. headwalls (See Article 601.05 of the Std. Spec's. and Hwy. Std. 601101).

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

**SECTION THRU ABUTMENT**  
(Horizontal Dim. @ Rt. L's)



**SECTION A-A**

**GENERAL NOTES**

- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach pavement.
- 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 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.
- Layout of the 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 procedure for existing deck beam removal involves placement of cranes or other heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included in Removal of Existing Structures No. 4.
- The existing expansion bearing pads contain asbestos. See Special Provisions for Asbestos Bearing Pad Removal.
- The cost of the removal of existing precast concrete units, approach caps and existing or new subseal materials at the approach shoulders is included in the cost of Removal of Existing Structures No. 4.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		54	54
Stone Riprap, Class A4	Sq. Yd.		1100	1100
Filter Fabric	Sq. Yd.		1100	1100
Removal of Existing Structures No. 4	Each	1		1
Structure Excavation	Cu. Yd.		225	225
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		129.4	129.4
Concrete Superstructure	Cu. Yd.	277.6		277.6
Bridge Deck Grooving	Sq. Yd.	428		428
Concrete Encasement	Cu. Yd.		12.6	12.6
Protective Coat	Sq. Yd.	536		536
Reinforcement Bars, Epoxy Coated	Pound	47610	13560	61170
Bar Splicers	Each	242	80	322
Furnishing Steel Piles HP12x53	Foot		2817	2817
Driving Piles	Foot		2817	2817
Test Pile Steel HP12x53	Each		4	4
Temporary Sheet Piling	Sq. Ft.		1015	1015
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		40	40
Pipe Underdrains for Structures 4"	Foot		150	150
Underwater Structure Excavation Protection-Location 1	Each		1	1
Underwater Structure Excavation Protection-Location 2	Each		1	1
Asbestos Bearing Pad Removal	Each		22	22

**ESCA**  
CONSULTANTS, INC.

DESIGNED BY:	MTD	04/08
DRAWN BY:	DWH	04/08
CHECKED BY:	DAJ	05/08
APPROVED BY:	RDP	08/08

GENERAL DATA  
US 45 OVER SEMINARY CREEK  
FAP ROUTE 328 - SECTION (8BR-4)B-1  
CLAY COUNTY  
STATION 968+56.00  
STRUCTURE NO. 013-0043