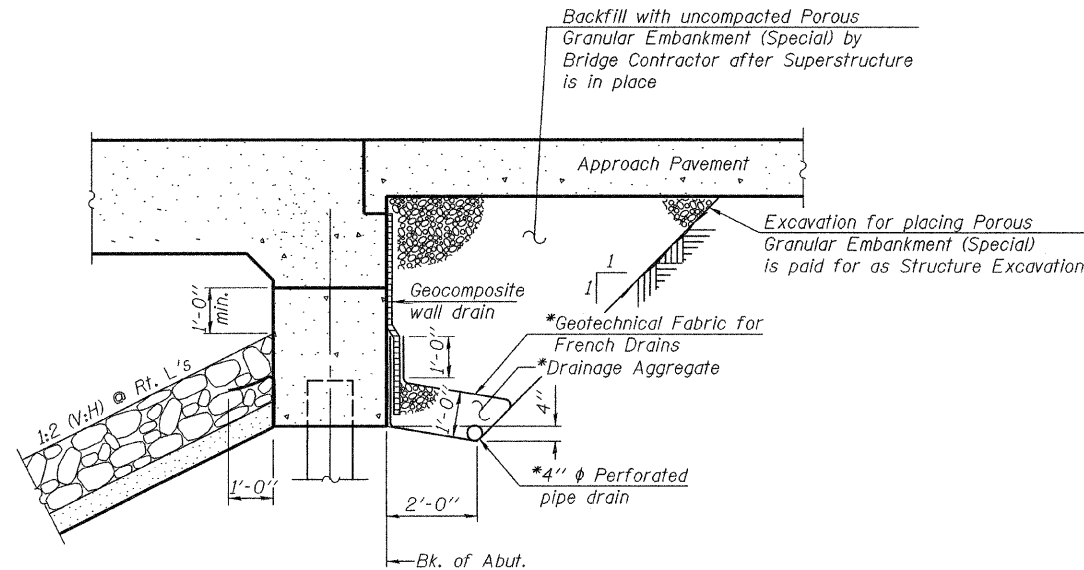


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAP 308	109BR-5	WHITESIDE	83	36	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

Contract #64C25



**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).

**GENERAL NOTES**

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.

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.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework. Forms for deck slab shall be removed prior to placement of bridge approach pavement.

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 existing superstructure.

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

Slipforming of the parapets is not allowed.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		83	83
Stone Riprap, Class A4	Sq. Yd.		1,255	1,255
Filter Fabric	Sq. Yd.		1,255	1,255
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		148	148
Concrete Structures	Cu. Yd.		182.4	182.4
Concrete Superstructure	Cu. Yd.	310.4		310.4
Bridge Deck Grooving	Sq. Yd.	439		439
Concrete Encasement	Cu. Yd.		11.0	11.0
Protective Coat	Sq. Yd.	548		548
Reinforcement Bars, Epoxy Coated	Pound	57,000	14,420	71,420
Bar Splicers	Each	193	92	285
Furnishing Metal Shell Piles 14"x0.312"	Foot		1,867	1,867
Driving Piles	Foot		1,867	1,867
Test Pile Metal Shells	Each		2	2
Temporary Sheet Piling	Sq. Ft.		967	967
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		52	52
Pipe Underdrains for Structures 4"	Foot		160	160
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Asbestos Bearing Pad Removal	Each			40

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008  
 EXAMINED *Thomas J. Domagala*  
 ENGINEER OF PUBLIC DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA  
 F.A.P. ROUTE 308 - SECTION 109BR-5  
 WHITESIDE COUNTY  
 STATION 344+76.69  
 STRUCTURE NO. 098-0114