

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATE	SHEET NO.
FAP 869	(10IVB) B-1	FRANKLIN	46	31
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2  
18 SHEETS

Contract No. 98821

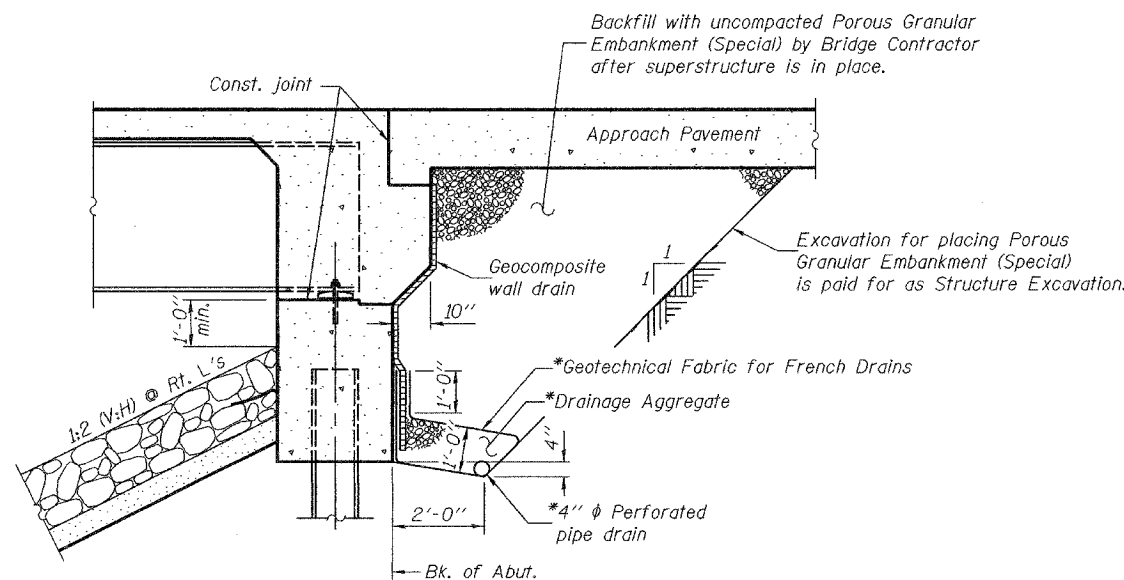
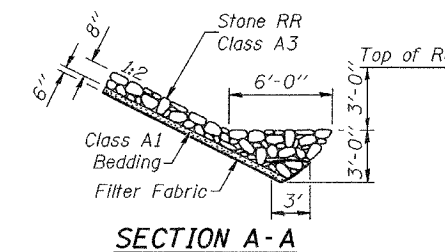
**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 3. Bolts 7/8" φ, holes 15/16" φ, unless otherwise noted.  
 Calculated weight of Structural Steel = 118,930 pounds  
 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 (IL Modified). See Special Provisions  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of 1/8 inch (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 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".  
 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.  
 All structural steel shall be AASHTO M 270 Grade 50W.  
 The Contractor is advised that the existing PPC Deck beams are in a deteriorated condition with reduce load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.  
 Slipforming of the parapets is not allowed.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		108	108
Stone Riprap, Class A3	Sq. Yd.		1150	1150
Filter Fabric	Sq. Yd.		1150	1150
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		756	756
Concrete Structures	Cu. Yd.		295.4	295.4
Concrete Superstructure	Cu. Yd.	209.0		209.0
Rock Excavation for Structures	Cu. Yd.		52	52
Floor Drains	Each		8	8
* Bridge Deck Grooving	Sq. Yd.		913	913
* Protective Coat	Sq. Yd.		1094	1094
Furnishing and Erecting Structural Steel	L. Sum		1	1
Stud Shear Connectors	Each		1944	1944
Reinforcement Bars, Epoxy Coated	Pound		49890	36610
Bar Splicers	Each		72	72
Furnishing Steel Piles HP10x42	Foot		230	230
Driving Piles	Foot		230	230
Test Pile Steel HP10x42	Each		2	2
Name Plates	Each		1	1
Anchor Bolts, 1"	Each		24	24
Anchor Bolts, 1/4"	Each		24	24
Geocomposite Wall Drain	Sq. Yd.		64	64
Pipe Underdrains for Structures 4"	Foot		155	155
Concrete Encasement	Cu. Yd.		4.2	4.2
Asbestos Bearing Pad Removal	Each		36	36

\* Includes approach pavements and connector pavements, see Roadway Plans.



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

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

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).

DESIGNED	Dewey H. Coultas
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	DHC/GRA

Nov. 30, 2007  
 EXAMINED *Thomas J. Damgalaki*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**GENERAL DATA**  
**F.A.P. RTE. 869 - SEC. (10IVB)B-1**  
**FRANKLIN COUNTY**  
**STATION 177+17.38**  
**STRUCTURE NO. 028-0077**

Rev. 12-31-07