

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 2 23 SHEETS
FAS 2801 IL 128	(102B) B-1	EFFINGHAM	51	24	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 74232

**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.

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).

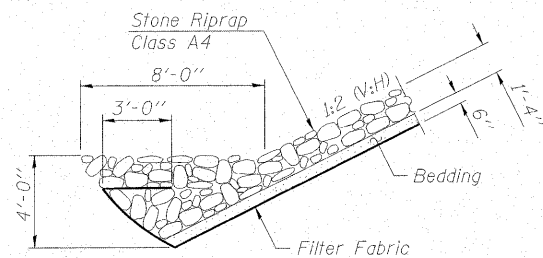
The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the structure.

In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.

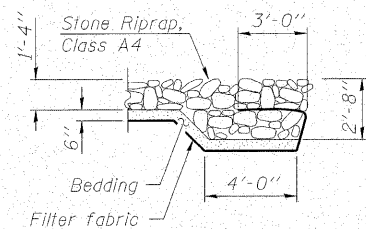
Slipforming of parapets is not allowed.

**TOTAL BILL OF MATERIAL**

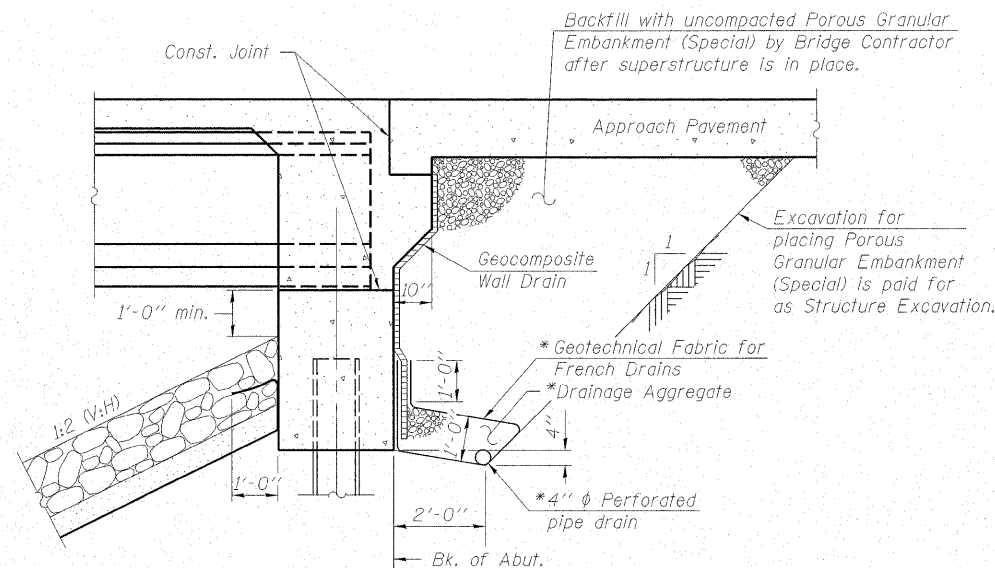
ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		116	116
Stone Riprap, Class A4	Sq. Yd.		1159	1159
Filter Fabric	Sq. Yd.		1159	1159
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		169	169
Concrete Structures	Cu. Yd.		115.0	115.0
Concrete Superstructure	Cu. Yd.	258.6		258.6
Bridge Deck Grooving	Sq. Yd.	837		837
Concrete Encasement	Cu. Yd.		8.6	8.6
Protective Coat	Sq. Yd.	839		839
Furnishing and Erecting Precast Prestressed Concrete I Beams, 54"	Foot	1136		1136
Reinforcement Bars, Epoxy Coated	Pound	58180	9960	68140
Bar Splicers	Each	603	72	675
Furnishing Steel Piles HP12x63	Foot		360	360
Furnishing Steel Piles HP14x89	Foot		308	308
Driving Piles	Foot		220	220
Test Pile Steel HP12x63	Each		1	1
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		84	84
Pipe Underdrains for Structures, 4"	Foot		154	154
Asbestos Bearing Pad Removal	Each		88	88
Temporary Shoring	Each		1	1
Temporary Soil Retention System	Sq. Ft.		218	218
Underwater Structure Excavation Protection, Location 1	Each		1	1
Setting and Driving Piles in Rock	Each		12	12
Setting and Driving Test Piles in Rock, HP12x63	Each		1	1
Setting and Driving Test Piles in Rock, HP14x89	Each		1	1



**SECTION A-A**



**SECTION B-B**



**SECTION THRU INTEGRAL ABUTMENT**

\*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).

A quantity for Pipe Drain 4" has been provided to extend the Pipe Underdrains for Structures, 4" from the edge of wingwalls to the toe of the proposed slope.



DESIGNED -	BAS
CHECKED -	KEF
DRAWN -	LAD
CHECKED -	RJA

**GENERAL NOTES,**  
**TOTAL BILL OF MATERIAL**  
**IL ROUTE 128 OVER WOLF CREEK**  
**F.A.S. RTE. 2801 - SECTION (102B)B-1**  
**EFFINGHAM COUNTY**  
**STATION 974+76.00**  
**STRUCTURE NO. 025-0105**