

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

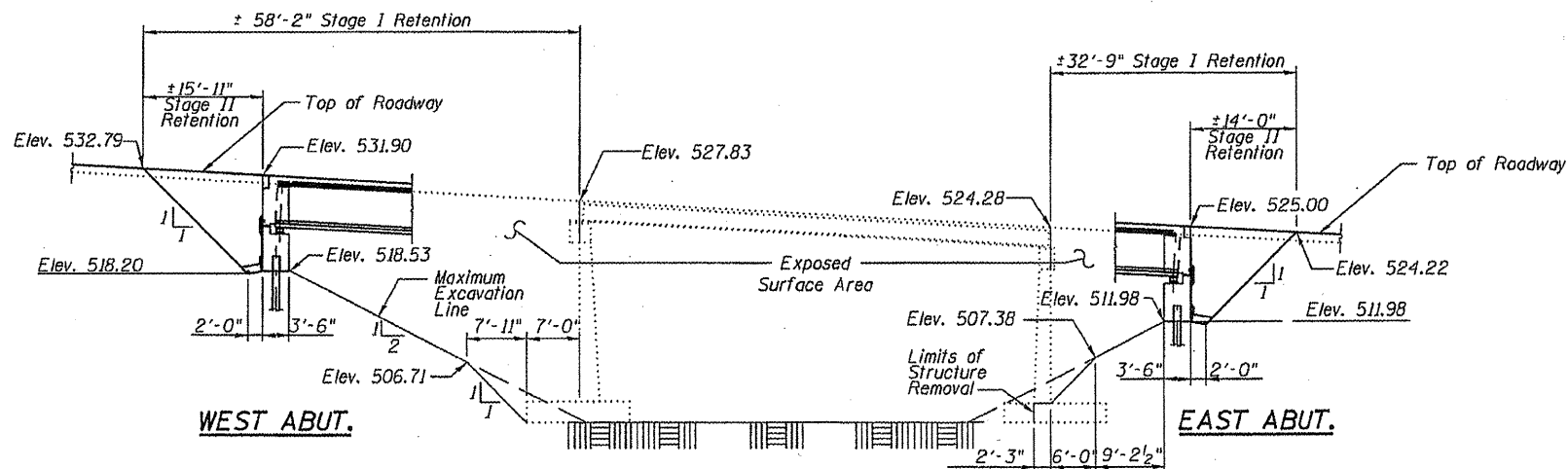
Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

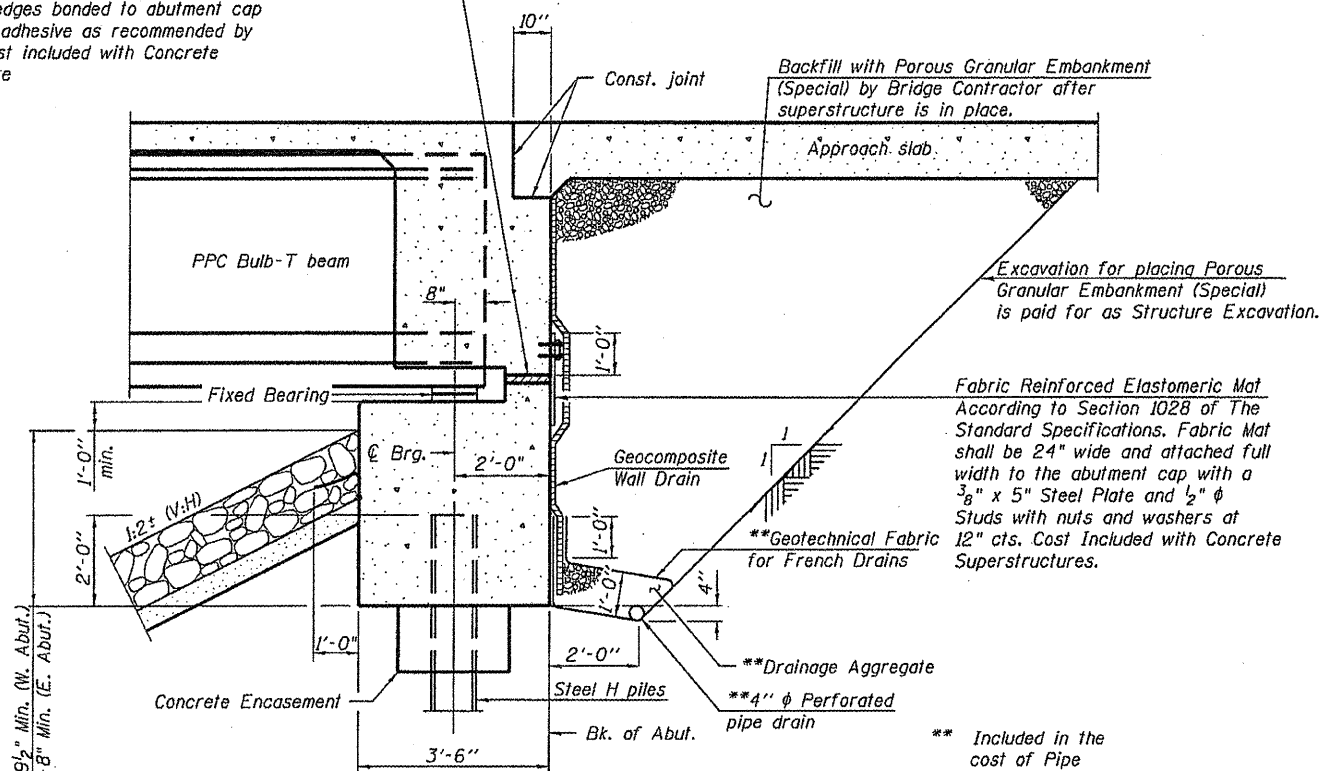
Slipforming of Parapets is not allowed.



TEMPORARY SOIL RETENTION SYSTEM

(Looking North)

2" PJF (per Article 1051.08 of the Standard Specifications) Full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier. Cost included with Concrete Superstructure



SECTION THRU SEMI-INTEGRAL ABUTMENT (MODIFIED)

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 slope at exterior ditches. The pipes shall drain into Concrete Headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	535	535
Stone RipRap, Class A4	Ton	-	150	150
Slope Mattress, 18"	Sq. Yd.	-	1166	1166
Filter Fabric	Sq. Yd.	-	1390	1390
Removal of Existing Structures	Each	1	-	1
Structure Excavation	Cu. Yd.	-	436	436
Concrete Structures	Cu. Yd.	-	109.9	109.9
Concrete Superstructure	Cu. Yd.	340.2	-	340.2
Bridge Deck Grooving	Sq. Yd.	469	-	469
Concrete Encasement	Cu. Yd.	-	6.6	6.6
Protective Coat	Sq. Yd.	865	-	865
Furnishing and Erecting Structural Steel	Pound	2,670	-	2,670
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 72"	Foot	728.0	-	728.0
Reinforcement Bars, Epoxy Coated	Pound	67,180	10,230	77,410
Bar Splicers	Each	608	32	640
Furnishing Steel Piles, HP14x89	Foot	-	207	207
Name Plates	Each	1	-	1
Anchor Bolts, 1"	Each	-	24	24
Geocomposite Wall Drain	Sq. Yd.	-	65	65
Pipe Underdrains for Structure, 4"	Foot	-	191.0	191.0
Asbestos Bearing Pad Removal	Each	22	-	22
Setting Piles in Rock	Each	-	12.0	12.0
Temporary Soil Retention System	Sq. Ft.	-	2,253	2,253

* Slope Mattress to be used on stream side of wingwalls. Stone RipRap to be placed in areas behind wingwalls. See Roadway Plans for further details.

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

HE
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FILE NAME = IL104 over Liehr Creek.dgn	USER NAME =	DESIGNED - CMW	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA F.A.P.-745 (IL 104) OVER LIEHR CREEK - S.N.075-0512	F.A.P. RTE. 745	SECTION 10BB-2	COUNTY PIKE	TOTAL SHEETS 64	SHEET NO. 26
	CHECKED - SAL	REVISOR -				CONTRACT NO. 72981				
	DRAWN - TJW	REVISOR -				FED. RD. DIST. NO. 6 ILLINOIS FED. AID PROJECT				
	CHECKED - SAL	REVISOR -								