

**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 the slope protection system may be varied to suit ground conditions in the field 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 the piles.

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 superstructure.

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

The steel beam shown in the optional parapet slipforming details on sheet 13 of 27 is conceptual only. All appropriate details for the overhang and concrete parapet on sheet 13 of 27 shall be applied to the details for the concrete beams on the subject contract if the Contractor elects to utilize the slipforming option.

Underwater structure excavation protection - Location 1 shall be at Pier No. 1.  
Underwater structure excavation protection - Location 2 shall be at Pier No. 2.

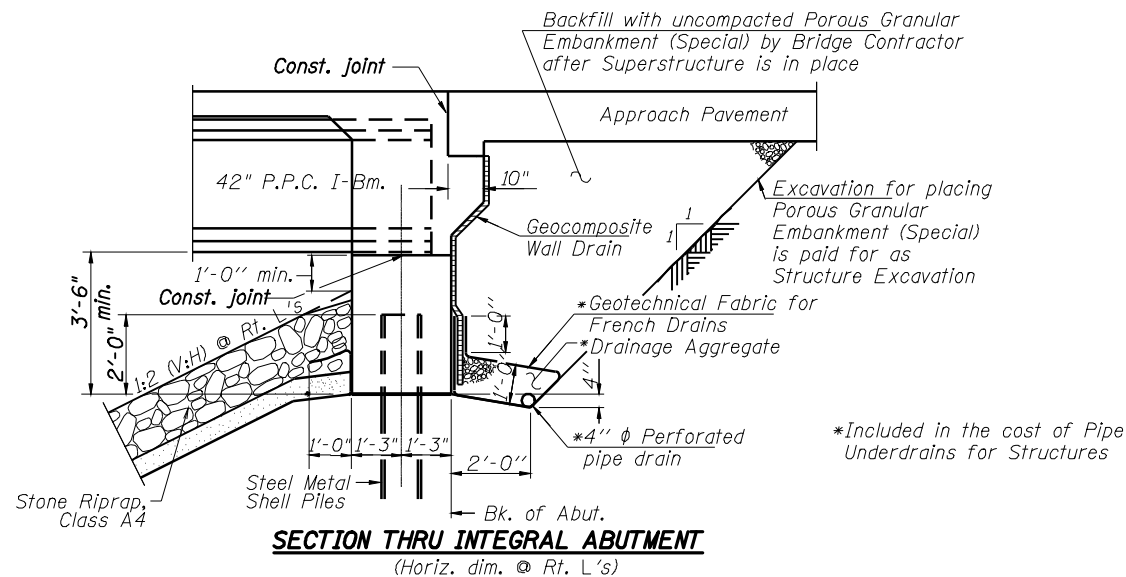
Temporary shoring of the existing pier shall occur prior to beginning Removal of Existing Structures and shall be in accordance with the Special Provisions.

**TOTAL BILL OF MATERIAL**

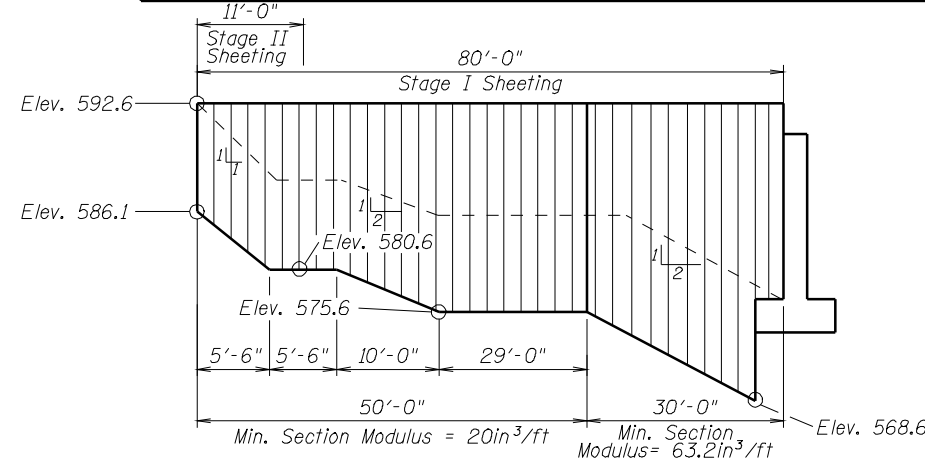
ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	-	-	1
Porous Granular Embankment, Special	Cu. yd.	-	173	173
Structure Excavation	Cu. yd.	-	500	500
Pipe Underdrains for Structures 4"	Foot	-	128	128
Geocomposite Wall Drain	Sq. Yd.	-	93.4	93.4
Stone Riprap, Class A4	Sq. Yd.	-	3478	3478
Filter Fabric	Sq. Yd.	-	3478	3478
Concrete Superstructure	Cu. yd.	380.2	-	380.2
Concrete Structures	Cu. yd.	-	178.8	178.8
Protective Coat	Sq. Yd.	823	-	823
Concrete Encasement	Cu. yd.	-	10.9	10.9
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42in.	Foot	999	-	999
Reinforcement Bars, Epoxy Coated	Pound	91,250	15,380	106,630
Temporary Sheet Piling	Sq. Ft.	-	1,984	1,984
Name Plates	Each	1	-	1
Bridge Deck Grooving	Sq. Yd.	642	-	642
Bar Splicers	Each	745	152	897
Furnishing Metal Shell Piles, 14" x 0.25"	Foot	-	1052	1052
Driving Piles	Foot	-	1052	1052
Test Pile Metal Shells	Each	-	4	4
Floor Drains	Each	22	-	22
Underwater Structure Excavation Protection - Location 1	Each	-	1	1
Underwater Structure Excavation Protection - Location 2	Each	-	1	1
Mechanical Splicers	Each	-	48	48
Temporary Shoring	Each	-	1	1

**INDEX OF SHEETS**

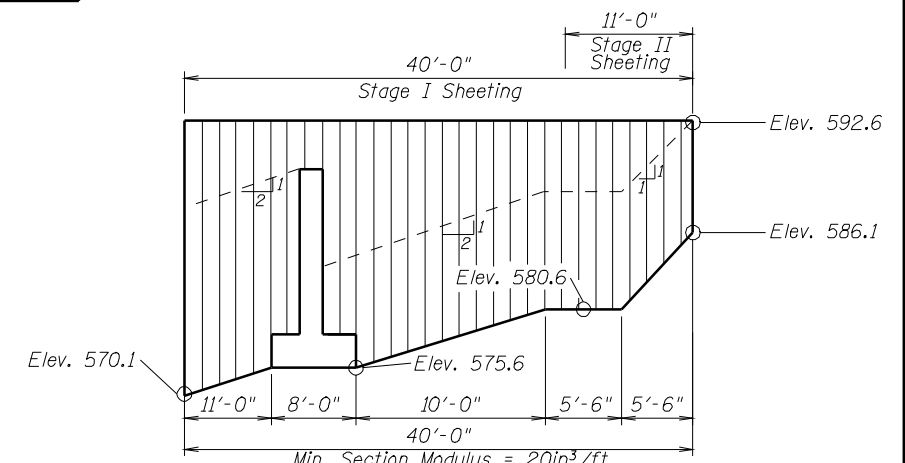
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Note:  
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



**ELEVATION - WEST ABUTMENT**  
(Along Roadway @)



**ELEVATION - EAST ABUTMENT**  
(Along Roadway @)

**TEMPORARY SHEET PILING DETAILS FOR STAGE CONSTRUCTION**

Hard driving may be encountered during the sheet piling installation. The contractor shall provide the appropriate driving equipment for the soil conditions indicated on the boring logs.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of the sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

**TEMPORARY SHEET PILING**

West Abutment = 1,369 Sq.Ft. (615 Sq.Ft. Min. Sx = 63.2in³/ft, 754 Sq.Ft. Min. Sx = 20in³/ft)  
East Abutment = 615 Sq.Ft. (Min. Sx = 20in³/ft)  
Total = 1,984 Sq. Ft.

**GENERAL DATA STRUCTURE NO. 054-0514**

USER NAME:	DESIGNED - RTM	REVISED -
	DRAWN - MSD	REVISED -
PLOT SCALE:	CHECKED - KEB	REVISED -
PLOT DATE:	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA SHEET**

SCALE: SHEET NO. 2 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	109B-3	LOGAN	73	37
CONTRACT NO. 72A88				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		