

GENERAL NOTES

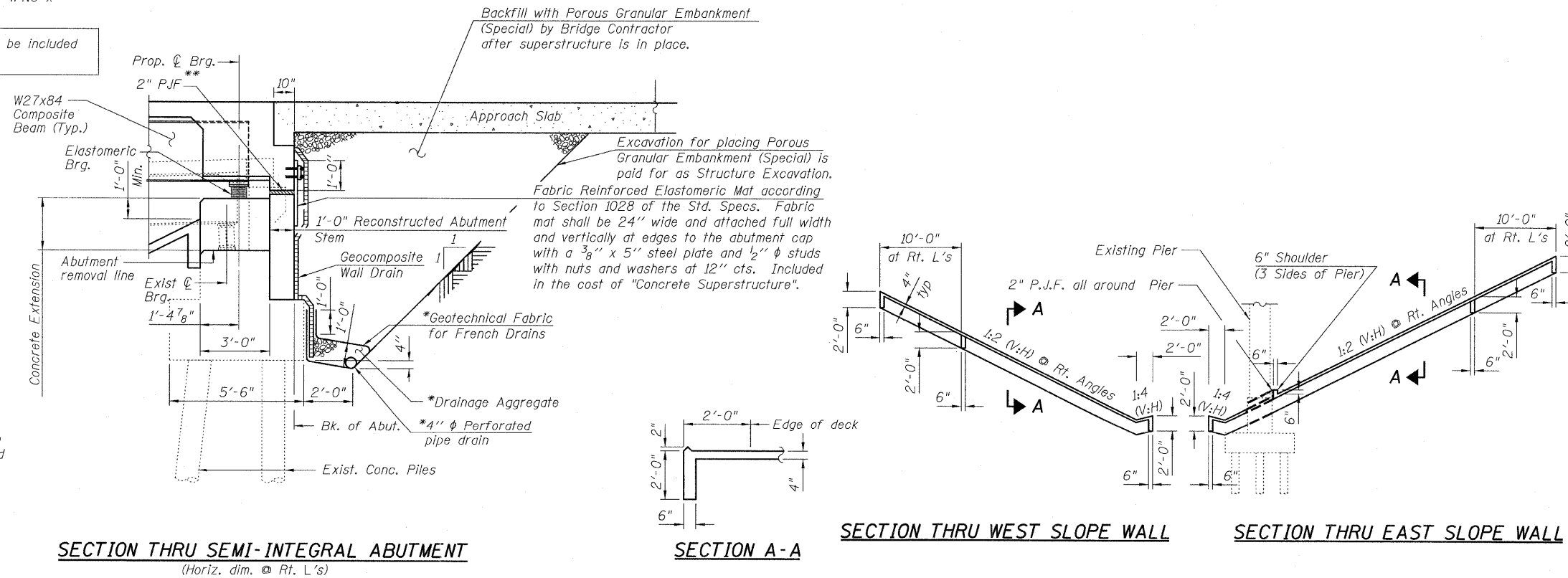
- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{1}{2}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 142,000 lb. AASHTO M270 Gr. 50
21,330 lb. AASHTO M270 Gr. 36
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
- Reinforcement bars designated (E) shall be Epoxy Coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the Piers.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- The Organic Zinc Rich Primer/Epoxy/Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that the exterior surfaces and bottom of the bottom flange of the fascia beams, masked off connection surfaces, and field installed fasteners, all of which shall be touched up and finish coated in field. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".
- Sloped wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
- Removal and disposal of existing slope protection aggregate shall be included in the cost of "Slope Wall 4 inch".

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TOTAL BILL OF MATERIAL

ITEM	UNIT	S.N. 006-0020		S.N. 006-0021		TOTAL
		SUPER	SUB	SUPER	SUB	
Porous Granular Embankment, Special	CU YD	-	117.1	-	129.3	246.4
Removal of Existing Superstructures No.1	EACH	1	-	-	-	1
Removal of Existing Superstructures No.2	EACH	-	-	1	-	1
Concrete Removal	CU YD	-	71.0	-	69.4	140.4
Protective Shield	SQ YD	251	-	251	-	502
Structure Excavation	CU YD	-	308.2	-	289.2	597.4
Concrete Structures	CU YD	-	132.8	-	140.3	273.1
Concrete Superstructure	CU YD	346.5	-	346.5	-	693.0
Bridge Deck Grooving	SQ YD	832	-	832	-	1664
Protective Coat	SQ YD	1,022	-	1,022	-	2,044
Furnishing and Erecting Structural Steel	L.SUM.	0.09	-	0.09	-	0.18
Stud Shear Connectors	EACH	3,744	-	3,744	-	7,488
Reinforcement Bars, Epoxy Coated	POUND	76,280	18,670	76,280	18,880	190,110
Bar Splicers	EACH	80	-	80	-	160
Mechanical Splicers	EACH	-	72	-	72	144
Slope Wall 4 inch	SQ YD	-	481	-	481	962
Name Plates	EACH	1	-	1	-	2
Elastomeric Bearing Assembly, Type I	EACH	18	-	18	-	36
Anchor Bolts, 1 1/4"	EACH	36	-	36	-	72
Anchor Bolts, 1 1/2"	EACH	12	-	12	-	24
Geocomposite Wall Drain	SQ YD	-	92	-	96	188
Pipe Underdrains for Structures 4"	FOOT	-	137	-	137	274
Furnishing Steel Piles HP14x73	FOOT	-	50	-	50	100
Driving Piles	FOOT	-	50	-	50	100
Concrete Sealer	SQ FT	-	1,680	-	1,720	3,400



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

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).

** 2" P.J.F (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.

FILE NAME =	USER NAME =	DESIGNED - DY	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 006-0020 EB AND 006-0021 WB	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
TYLIN INTERNATIONAL	PLOT SCALE =	CHECKED - PF	REVISIONS -			80	006-5HBR-1, VBR-06-6)RS-3&I	BUREAU	249	69	
	PLOT DATE = 09/13/2011	DRAWN - DY	REVISIONS -			CONTRACT NO. 66686					
		CHECKED - PF	REVISIONS -			ILLINOIS FED. AID PROJECT					