

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

DEMOLITION NOTES

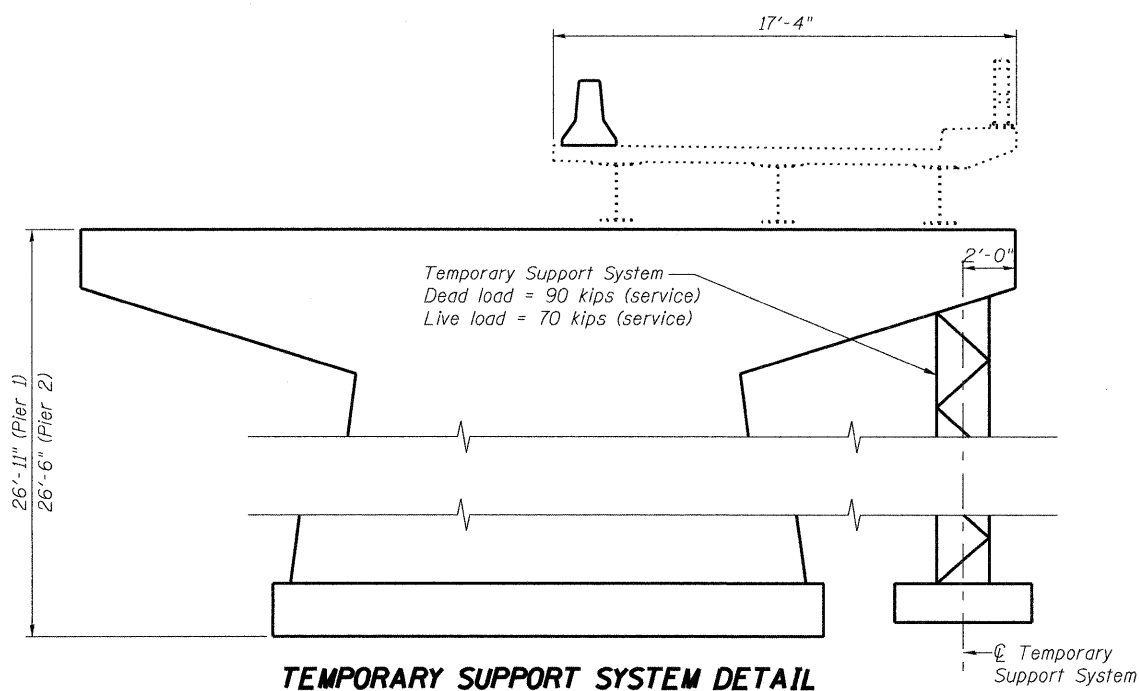
1. The existing piles at the south abutment may be left in place and buried within the new Furnished Excavation fill. The existing piles at the north abutment shall be removed to 1'-0" below the bottom of the proposed stone riprap bedding grade. The cost of this work shall be included with Removal of Existing Structures.
2. Prior to removal of the superstructure in Stage 1, Contractor shall verify the bearing pressure beneath the existing pier footings. The unbalanced staged loading condition on the hammerhead pier would generate a bearing pressure of approximately 8,700 psf. The maximum allowable bearing pressure for the existing footings is 7,000 psf. Contractor shall be responsible for temporary measures required to ensure the maximum allowable bearing pressure is not exceeded. A Temporary Support System shall be installed before superstructure removal in Stage 1. See Temporary Support System Detail below. Bearing pressure beneath the footing shall be addressed in the demolition plans. The cost of this work shall be paid for as Temporary Support System.
3. The cost of concrete slopewall removal shall be included with Removal of Existing Structures.

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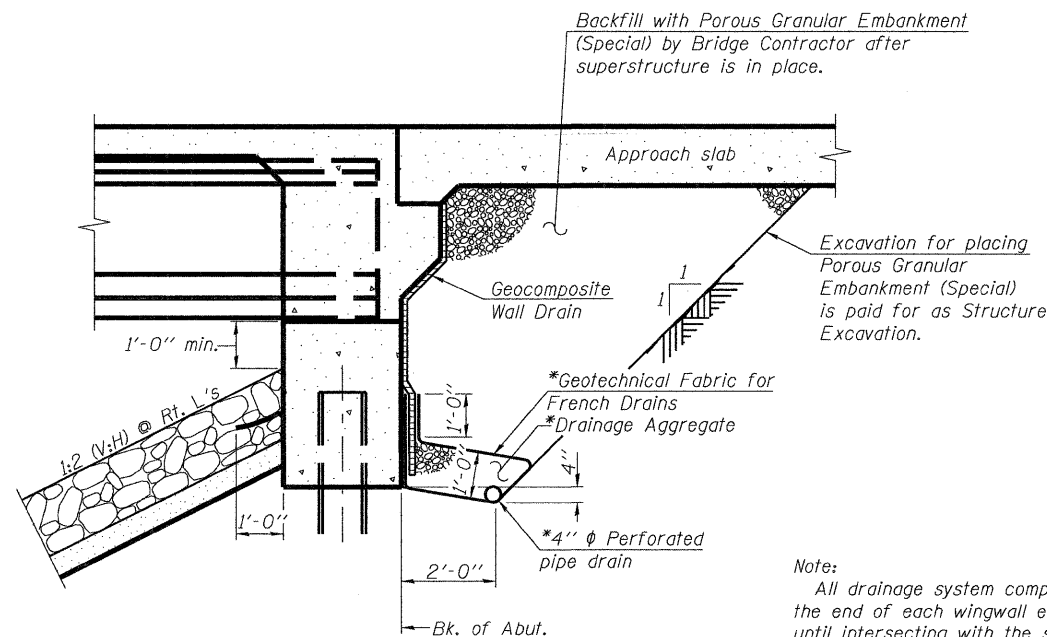
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TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL	SUPER	SUB
Stone Riprap, Class A4	Sq. Yd.	2,190		2,190
Filter Fabric	Sq. Yd.	2,190		2,190
Removal of Existing Structures	Each	1	0.5	0.5
Structure Excavation	Cu. Yd.	195		195
Cofferdam Excavation	Cu. Yd.	54		54
Cofferdam (Type 1) (Location - 1)	Each	1		1
Cofferdam (Type 1) (Location - 2)	Each	1		1
Concrete Structures	Cu. Yd.	246.5		246.5
Concrete Superstructure	Cu. Yd.	343.3	343.3	
Bridge Deck Grooving	Sq. Yd.	760	760	
Concrete Encasement	Cu. Yd.	4.4		4.4
Protective Coat	Sq. Yd.	953	953	
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42 in.	Foot	822	822	
Reinforcement Bars, Epoxy Coated	Pound	101,890	75,990	25,900
Bar Splicers	Each	895	683	212
Furnishing Steel Piles HPI2x53	Foot	1,457		1,457
Driving Piles	Foot	1,457		1,457
Test Pile Steel HPI2x53	Each	4		4
Pile Shoes	Each	32		32
Name Plates	Each	1	1	
Geocomposite Wall Drain	Sq. Yd.	85		85
Temporary Sheet Piling	Sq. Ft.	253		253
Pipe Underdrains For Structures, 4"	Foot	128		128
Temporary Soil Retention System	Sq. Ft.	190		190
Temporary Support System	L Sum	1		1
Porous Granular Embankment, Special	Cu. Yd.	129		129



TEMPORARY SUPPORT SYSTEM DETAIL



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 60110). Cost of concrete headwalls shall be included in the cost of Pipe Underdrains for Structures, 4".



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PLOT SCALE =	CHECKED - AJK	REVISIONS -	CONTRACT NO. 66A20							
PLOT DATE = 11/07/2011	DRAWN - RMG	REVISIONS -	ILLINOIS FED. AID PROJECT							
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