

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 27 SHEETS
F.A.P. 857	101BR-6	WHITE	100	21	
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

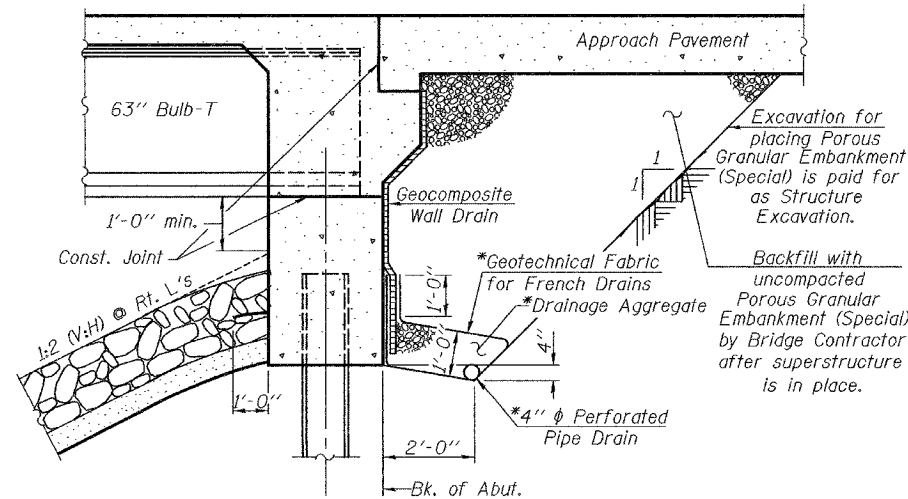
Contract #98960

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GENERAL NOTES

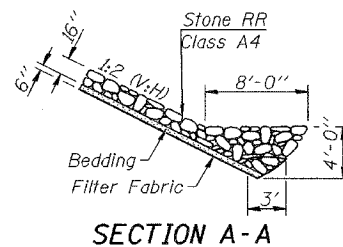
Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60 (IL Modified). See Special Provisions.
The embankment configuration shown shall be the minimum embankment that must be placed and compacted prior to construction of the abutments.
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
The Steel H-Piles shall be according to AASHTO M270 Gr.50.
The Contractor shall drive test piles to 110% of the nominal bearing specified in permanent locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
In addition to all other requirements of section 512 of the Standard Specifications, splices for HP10x57 and HP14x102 piles shall develop the full capacity of the steel's cross sectional area of the pile for tension, shear and bending forces. One approved method of achieving this requirement is full penetration butt welding of the entire cross section. Other types of splices meeting the full capacity requirement may be allowed subject to the approval of the Engineer.
Any proposal by the Contractor to use an alternate splice method must include adequate documentation demonstrating that the full tension, shear and bending capacities will be met. Appropriate welder qualifications will be required for the positions and processes used in splicing all piles. Nondestructive testing of completed welds will be limited to visual inspection.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
Reinforcement bars designated (E) shall be epoxy coated.



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures, 4".

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).



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Name Plates	Each	1		1
Reinforcement Bars, Epoxy Coated	Pound	131660	15480	147140
Concrete Superstructure	Cu. Yd.	550.2		550.2
Bridge Deck Grooving	Sq. Yd.	1353		1353
Protective Coat	Sq. Yd.	1784		1784
Drainage Scuppers DS-33	Each	6		6
Furnishing and Erecting Precast Prestressed Bulb T beams, 63"	Foot	2417		2417
Concrete Structures	Cu. Yd.		178.4	178.4
Porous Granular Embankment (Special)	Cu. Yd.		227.4	227.4
Furnishing Steel Piles HP 10 x 57	Foot		721	721
Furnishing Steel Piles HP 14 x 102	Foot		1339	1339
Test Pile, Steel HP 10x57	Each		1	1
Test Pile, Steel HP 14x102	Each		1	1
Driving Piles	Foot		2060	2060
Underwater Structure Excavation Protection, Location 1	Each	1		1
Underwater Structure Excavation Protection, Location 2	Each	1		1
Underwater Structure Excavation Protection, Location 3	Each	1		1
Stone Riprap, Class A4	Sq. Yd.		686	686
Filter Fabric	Sq. Yd.		686	686
Bar Splicers	Each	62		62
Structure Excavation	Cu. Yd.		145	145
Pipe Underdrain for Structures, 4"	Foot		150	150
Geocomposite Wall Drain	Sq. Yd.		80.8	80.8
Concrete Encasement	Cu. Yd.		11.7	11.7
Asbestos Bearing Pad Removal	Each		44	44

DESIGNED	Daniel H. Tobias
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CHECKED	WAB/FT

December 4 2006
EXAMINED *Thomas J. Domagalaki*
ENGINEER OF BRIDGES AND STRUCTURES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA
F.A.P. RT. 857 SEC. 101BR-6
WHITE COUNTY
STATION 171+58.50
STRUCTURE NO. 097-0071

Rev. 2-22-07