

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

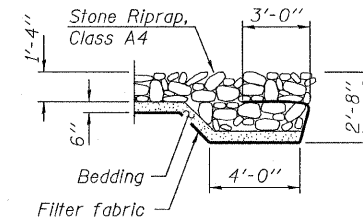
Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts  $\frac{3}{4}$ "  $\phi$ , holes  $\frac{15}{16}$ "  $\phi$  unless otherwise noted.  
Calculated weight of Structural Steel = 39,010 lbs.  
No field welding is permitted except as specified in the contract documents.  
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
Reinforcement bars designated (E) shall be epoxy coated.  
The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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".  
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 piles.  
Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.  
The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.  
Slipforming of parapets is not allowed.

TOTAL BILL OF MATERIAL

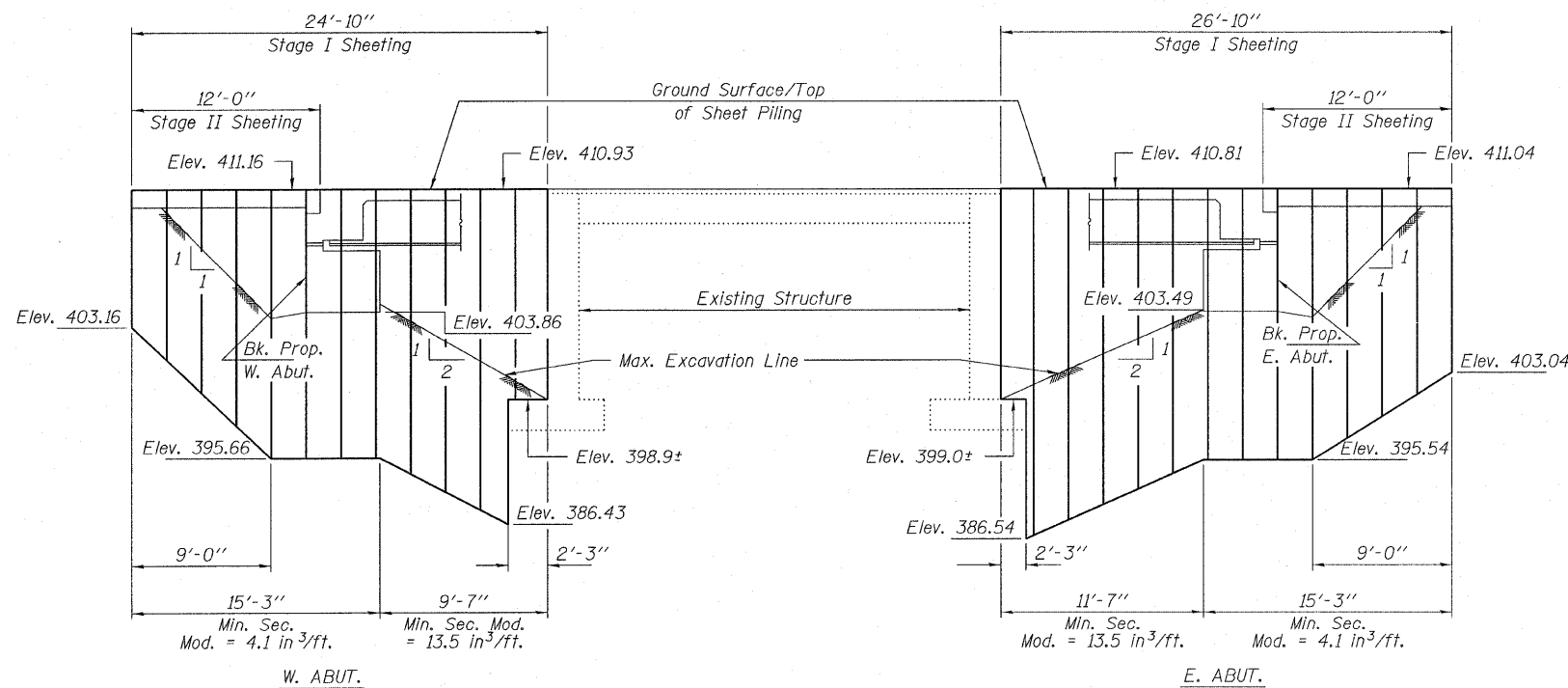
ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		122	122
Stone Riprap, Class A4	Sq. Yd.			460
Filter Fabric	Sq. Yd.			578
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		350	350
Floor Drains	Each	3		3
Concrete Structures	Cu. Yd.		60.6	60.6
Concrete Superstructure	Cu. Yd.	84.1		84.1
Concrete Encasement	Cu. Yd.		6.3	6.3
Protective Coat	Sq. Yd.	264		264
Bridge Deck Grooving	Sq. Yd.	205		205
Elastomeric Bearing Assembly, Type 1	Each	6		6
Furnishing And Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1,026		1,026
Reinforcement Bars, Epoxy Coated	Pound	17,370	5,490	22,860
Furnishing Steel Piles HP10x42	Foot		720	720
Driving Piles	Foot		720	720
Test Pile Steel HP10x42	Each		2	2
Temporary Sheet Piling	Sq. Ft.			356
Name Plates	Each	1		1
Bar Splitters	Each	260	22	282
Geocomposite Wall Drain	Sq. Yd.		71	71
Pipe Underdrain for Structures, 4"	Foot		146	146
Anchor Bolts, 1"	Each	24		24

STATION 131+16  
BUILT 200\_ BY  
STATE OF ILLINOIS  
F.A.S. 2881 - SECTION 30B-1  
LOADING HS20  
STR. NO. 083-0063

NAME PLATE  
See Std. 515001



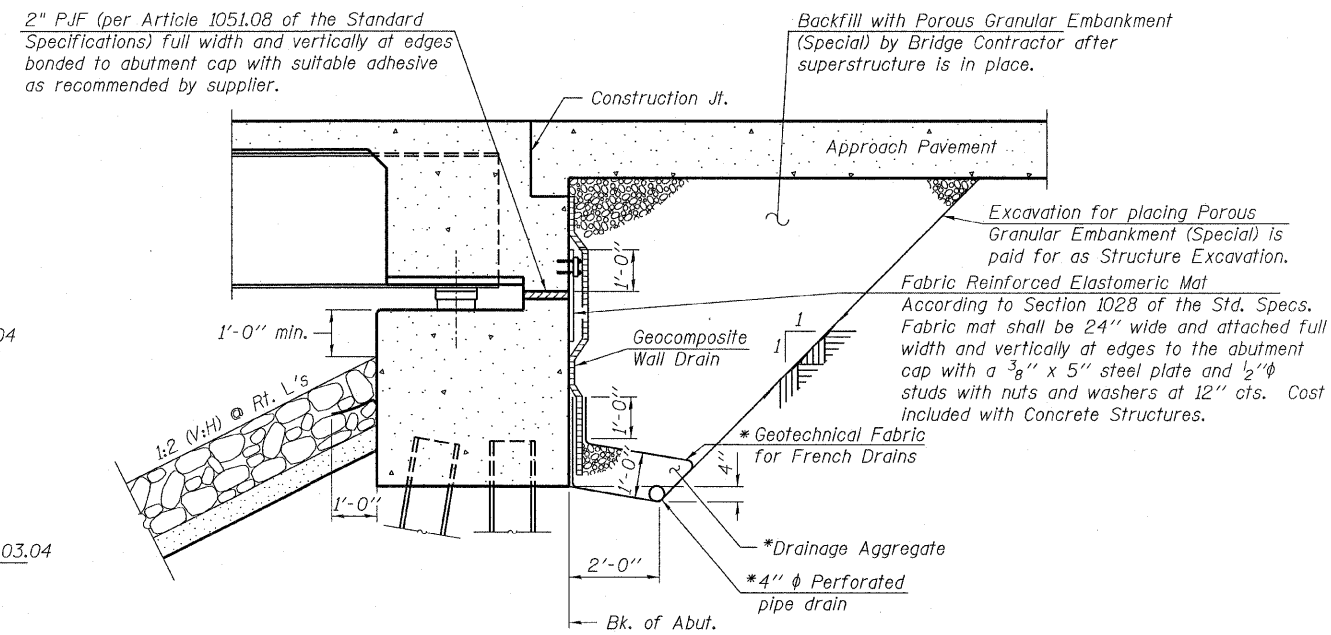
SECTION A-A



TEMPORARY SHEET PILING

Note:  
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 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.

DESIGNED - P.S.L.
CHECKED - M.D.C.
DRAWN - D.T.M.
CHECKED - S.W.M.



SECTION THRU SEMI-INTEGRAL ABUTMENT

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

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).

GENERAL DETAILS  
STRUCTURE NO. 083-0063

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS <b>HLR</b> 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 2  19 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2881	30B-1	SALINE	45	16
PROJECT NUMBER: 08 0045 130      DATE: 09/02/08		RALEIGH RD. OVER ELDORADO RESERVOIR SPILLWAY      CONTRACT NO. 98533				
		FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT				