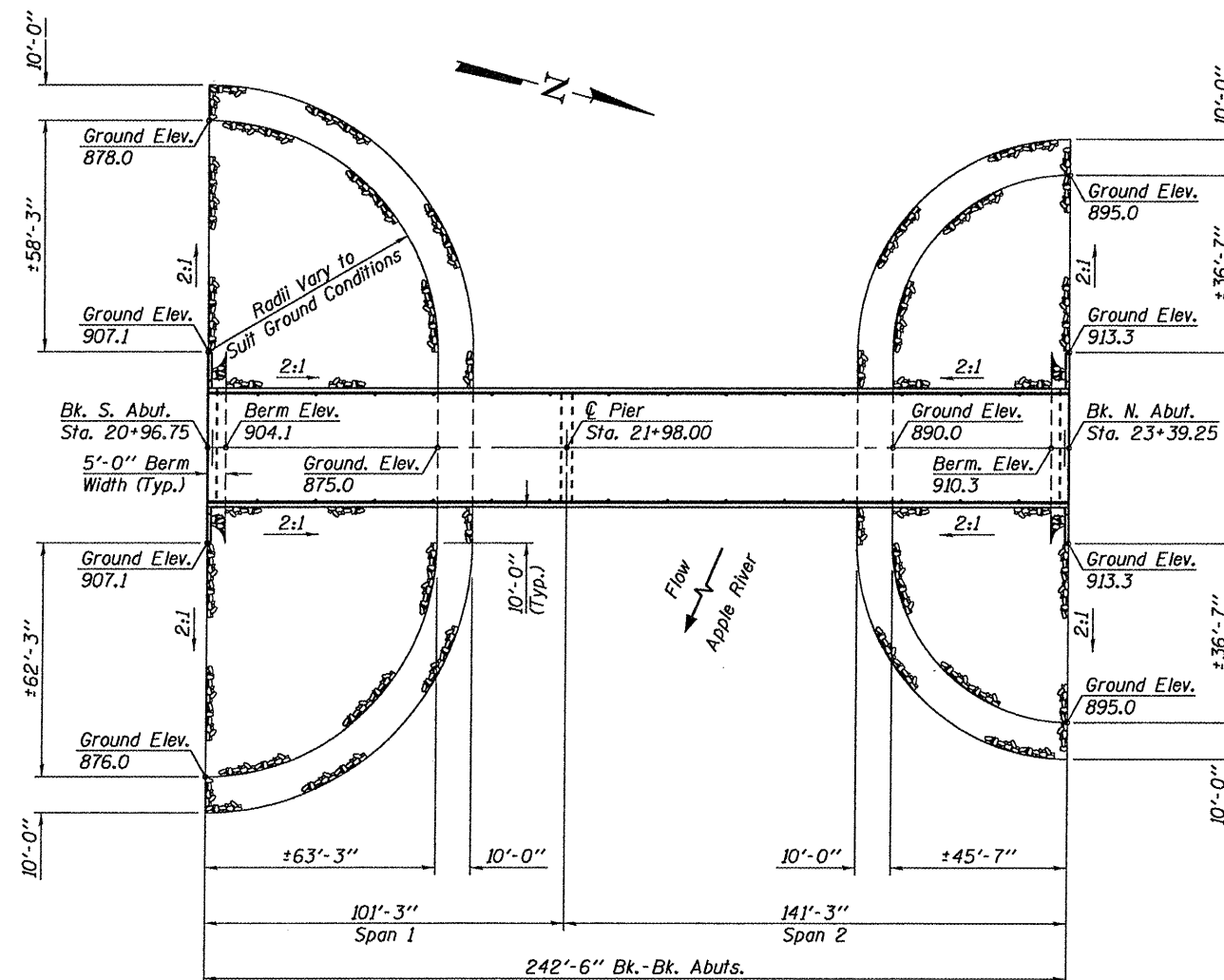


GENERAL NOTES

- See Proposal Booklet for Boring Data.
- Fasteners shall be AASHTO M164 Type 3, mechanically galvanized bolts. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.
- Calculated weight of Structural Steel = 276,360 Pounds
- All structural steel shall be AASHTO M 270 Grade 50W.
- 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.
- If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of the parapets is not allowed.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The Contractor shall drive one steel HPI2x63 test pile in a permanent location at the South Abutment as directed by the engineer before ordering the remainder of the piles. The test pile shall be driven to 110 percent of the Nominal Required Bearing specified in production at the South Abutment.
- All exposed portions of the abutments, wing walls, and pier shall receive a rubbed-finish in accordance with Article 503.15(b) of the Standard Specifications. Cost to be included in cost of Concrete Structures.



RIPRAP AND EMBANKMENT PLAN

Note: Horizontal dimensions for limits of riprap and embankment were derived from the Berm Elevations and assumed Ground Elevations shown in the Riprap and Embankment Plan. Horizontal dimensions may vary to suit existing ground conditions.

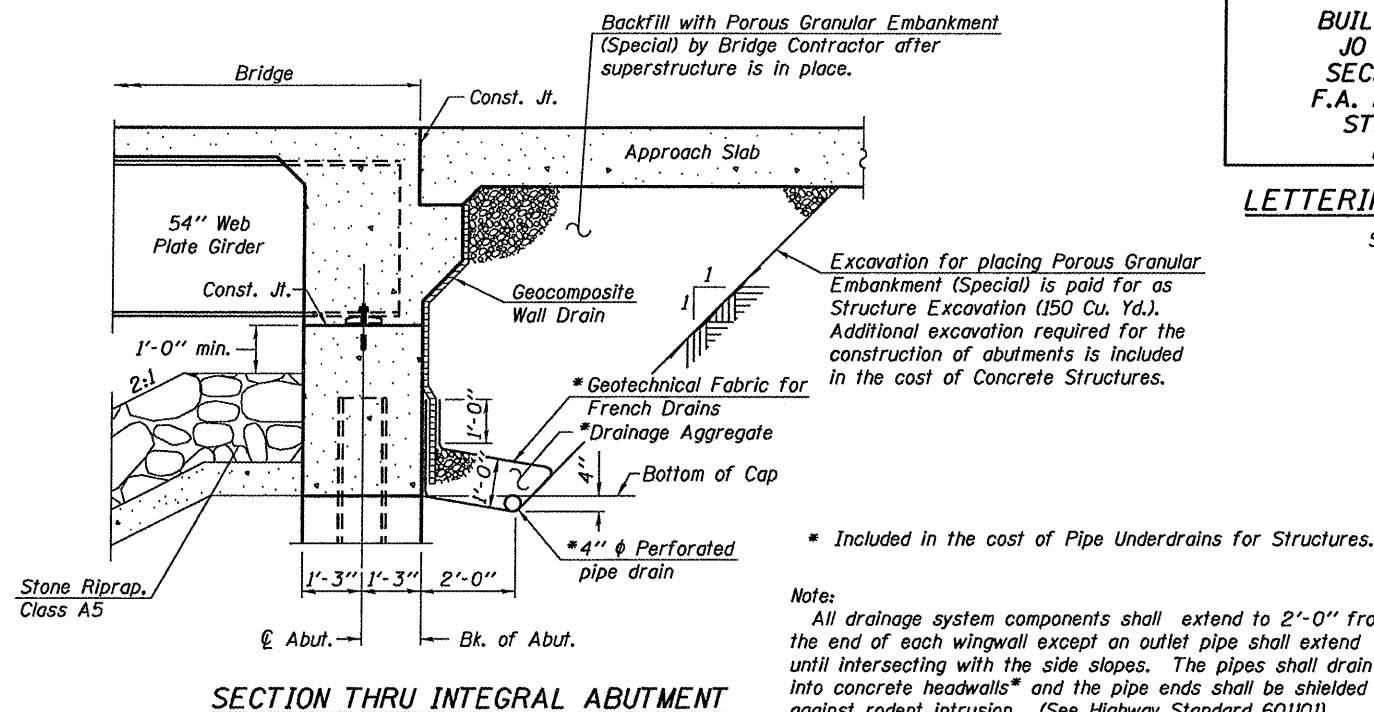
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.		116.1	116.1
Concrete Superstructure	Cu. Yd.	398.4		398.4
Reinforcement Bars	Pound		17,690	17,690
Reinforcement Bars, Epoxy Coated	Pound	97,960	22,360	120,320
Name Plates	Each	1		1
Furnishing Steel Piles HPI2x63	Foot		416	416
Driving Piles	Foot		200	200
Setting Piles in Rock	Each		6	6
Stone Riprap, Class A5	Ton		2,438	2,438
Filter Fabric	Sq. Yd.		2,292	2,292
Concrete Encasement	Cu. Yd.		3.9	3.9
Structure Excavation	Cu. Yd.		150	150
Removal of Existing Structures	Each		1	1
Protective Coat	Sq. Yd.	1,244		1,244
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2,280		2,280
Bridge Deck Grooving	Sq. Yd.	939		939
Bar Splicers	Each	72		72
Drainage Scupper, DS-11	Each	14		14
Pipe Underdrains for Structures 4"	Foot	161		161
Geocomposite Wall Drain	Sq. Yd.		91	91
Porous Granular Embankment, Special	Cu. Yd.		172	172
Drilled Shaft in Soil	Cy. Yd.		38.2	38.2
Drilled Shaft in Rock	Cy. Yd.		27.9	27.9
Test Pile Steel HPI2x63	Each		1	1
Cofferdam (Type 1) (Location - 1)	Each		1	1
Anchor Bolts, 1"	Each	20		20
Anchor Bolts, 1/2"	Each	10		10

APPLE RIVER
 BUILT 2011 BY
 JO DAVIESS COUNTY
 SEC. 06-00127-00-BR
 F.A. PROJ. BRS-073(103)
 STR. NO. 043-3270
 LOADING HS20

LETTERING FOR NAME PLATE

See Std. 515001



SECTION THRU 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* and the pipe ends shall be shielded against rodent intrusion. (See Highway Standard 601101)

DESIGNED	J.A.M.
CHECKED	A.L.S.
DRAWN	S.A.P.
CHECKED	J.A.M. & A.L.S.

GENERAL NOTES AND DETAILS

S.N. 043-3270

<p>FEHR-GRAHAM & ASSOCIATES, LLC ENGINEERING AND SCIENCE CONSULTANTS FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL</p>	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	9	06-00127-00-BR	JO DAVIESS	55	11
SCOUT CAMP ROAD			CONTRACT NO. 85539		
ILLINOIS					