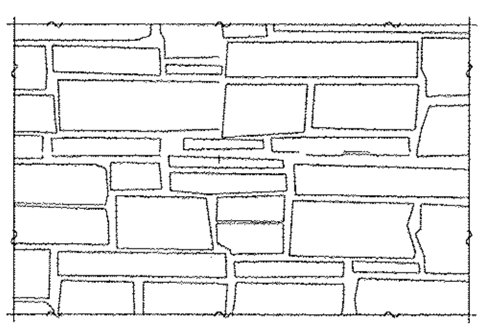
GENERAL NOTES

1. Fasteners shall be ASTM A325 Type I, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ, holes $\frac{15}{16}$ in. ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel = 184,130 pounds (AASHTO M 270 Grade 50) Calculated weight of Structural Steel = 23,840 pounds (AASHTO M 270 Grade 36)
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. 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 addional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
6. 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 of masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
8. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
9. 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.
10. The Contractor is advised that the existing structure is in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the structure when developing construction procedures for removal and replacement of the structure.

TOTAL BILL OF MATERIAL

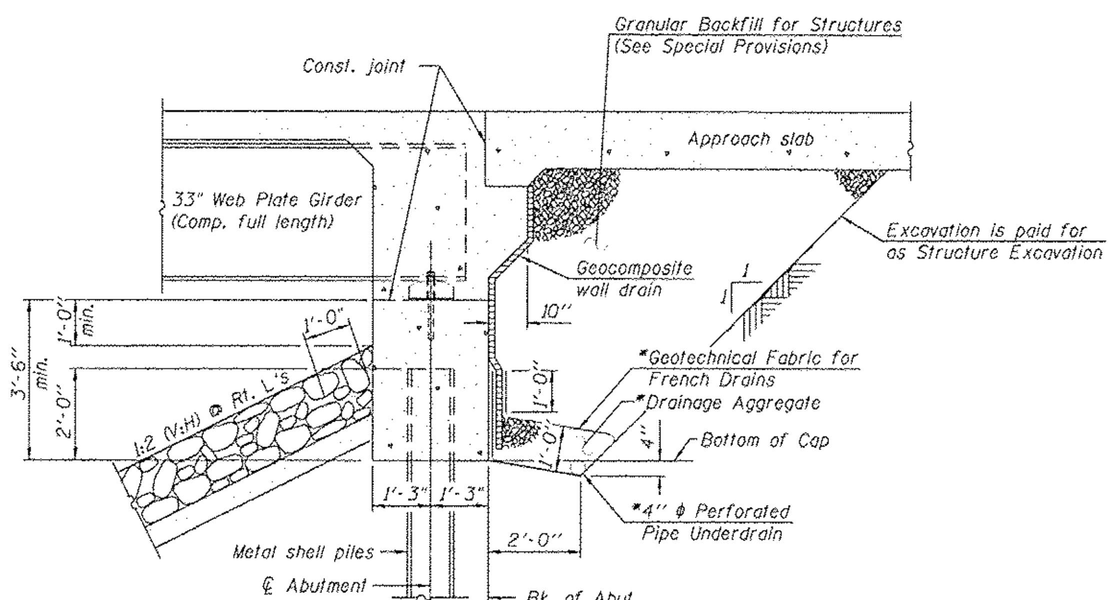
Item	Unit	Super	Sub	Total
Stone Riprap, Class A4	Sq. Yd.		577	577
Filter Fabric	Sq. Yd.		746	746
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		445	445
Concrete Structures	Cu. Yd.		102.6	102.6
Concrete Superstructure	Cu. Yd.	507.1		507.1
Bridge Deck Grooving	Sq. Yd.	707		707
Form Liner Textured Surface	Sq. Ft.	1645		1645
Protective Coat	Sq. Yd.	1293		1293
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	4191		4191
Reinforcement Bars, Epoxy Coated	Pound	108,530	17,980	126,510
Bar Splicers	Each	581	112	693
Furnishing Metal Shell Piles 14" x 0.312"	Foot		1734	1734
Driving Piles	Foot		1734	1734
Test Pile Metal Shells	Each		2	2
Pile Shoes	Each		30	30
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		44	44
Box Culvert End Sections, Culvert No. 1	Each		1	1
Box Culvert End Sections, Culvert No. 2	Each		1	1
Precast Concrete Box Culverts 5'x'5'	Foot		56	56
Precast Concrete Box Culverts 6'x'5'	Foot		56	56
Geocomposite Wall Drain	Sq. Yd.		140	140
Construction Vibration Monitoring	L Sum			1
Parapet Railing, Special	Foot	168		168
Granular Backfill for Structures	Cu. Yd.		187	187
Staining Concrete Structures	Sq. Yd.		183	183
Architectural Precast Concrete Panel	Each	20		20
Steel Railing (Special)	Foot	272		272
Temporary Sheet Piling	Sq. Ft.		520	520
Pipe Underdrains for Structures 4"	Foot		184	184
Temporary Soil Retention System	Sq. Ft.		259	259

INDEX OF SHEETS



FORM LINER TEXTURED SURFACE

Note:
Form Liner Textured Surface shall meet the requirements of Custom Rock Pattern #12010 Minnehaha Blend or approved equal (See Special Provision).
Form liner textures or patterns of any shape and length shall be inset into the face of the parapet up to $\frac{1}{2}$" deep and 1" wide.



*Included in the cost of Pipe Underdrains for Structures.

SECTION THRU INTEGRAL ABUTMENT

Notes:
All drainage system components shall extend to 2'-0" from the end of each wingwall except on 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).

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12/21/2012

TranSystems	USER NAME = jrmichor	DESIGNED - JRM	REVISED ⚠1 12/19/2012 JRM	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 016-2844
		CHECKED - MDS	REVISED -		
	PLOT SCALE = 2:0.0000 ' / in.	DRAWN - DMG	REVISED -		SHEET NO. 2 OF 30 SHEETS
	PLOT DATE = 12/21/2012	CHECKED - MDS	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0305	(1920.01,1518,2022&1922.4B)R	COOK	919	452
		CONTRACT NO. 60T35		
		ILLINOIS FED. AID PROJECT		