

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	53
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
30 SHEETS

Contract # 97351

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 in. Ø, holes 19/16 in. Ø, unless otherwise noted.
- Calculated weight of structural steel = 169,204 lbs. (M270 Grade 50)
13,881 lbs. (M270 Grade 36)
- 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete sealer shall be applied to the designated areas of the abutments.
- 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 Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- 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 the piles.
- In lieu of the hammer selection criteria and use of the FWA Modified Gates formula specified in Section 512 of the Standard Specifications, the contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.
- Slipforming of parapets is not allowed.

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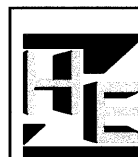
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TOTAL BILL OF MATERIALS

	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	465	465
Structure Excavation	Cu. Yd.	-	1057	1057
Concrete Structures	Cu. Yd.	-	350.2	350.2
Concrete Superstructure	Cu. Yd.	350.6	-	350.6
* Bridge Deck Grooving	Sq. Yd.	959	-	959
Concrete Encasement	Cu. Yd.	-	5	5
Form Liner Textured Surface	Sq. Ft.	-	2656	2656
* Protective Coat	Sq. Yd.	2628	-	2628
Furnishing and Erecting Structural Steel	L Sum	1	-	1
Stud Shear Connectors	Each	2232	-	2232
Reinforcement Bars, Epoxy Coated	Pound	63623	30824	94446
Pedestrian Rail	Foot	229	-	229
Slope Wall 4 Inch	Sq. Yd.	-	66	66
Furnishing Steel Piles HP12X53	Foot	-	646	646
Furnishing Steel Piles HP12X74	Foot	-	1938	1938
Furnishing Steel Piles HP12X84	Foot	-	768	768
Driving Piles	Foot	-	3333	3333
Test Pile Steel HP12X53	Each	-	1	1
Test Pile Steel HP12X74	Each	-	2	2
Test Pile Steel HP12X84	Each	-	2	2
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	77	-	77
Elastomeric Bearing Assembly, Type 1	Each	-	12	12
Anchor Bolts, 1"	Each	-	24	24
Anchor Bolts, 1 1/2"	Each	-	12	12
Concrete Sealer	Sq. Ft.	-	173	173
Geocomposite Wall Drain	Sq. Yd.	-	111	111
Pipe Underdrains for Structures 6"	Foot	-	76	76
Granite Block Slope Wall, Special	Sq. Yd.	-	192	192

* Quantity Includes Approach Slab

DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



Hoelscher Engineering, P.C.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES, BILL OF MATERIALS, INDEX OF SHEETS
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851