

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 308	#	ROCK ISLAND	210	149
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #64814 * I(HB,HB-1,VB,HB-2)R

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in. dia., holes 15/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel M270 Grade 36 = 23,560 lbs.
Calculated weight of Structural Steel M270 Grade 50 = 170,830 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 (IL Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to their 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.
- Concrete Sealer shall be applied to the designated areas of the Piers.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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 that 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 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 Blue, Munsell No. 10B, 3/6. See Special Provision for "Cleaning and Painting New Metal Structures".
- In lieu of the hammer selection criteria and use of the FHWA 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.
- Slip forming of the parapets and median barrier is not allowed.
- See Electrical Plans for Bridge Underpass Lighting details.
- All concrete for "Concrete Structures" in the area of the Form Liner Limestone Surface shall be Self-Consolidating Concrete. See Special Provisions for "Self-Consolidating Concrete for Cast-in-Place Construction."

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub		Total
			Piers	Abuts.	
Porous Granular Embankment, Special	Cu. Yd.			310	310
Removal of Existing Structures No. 2	Each	1			1
Protective Shield	Sq. Yd.	944			944
Structure Excavation	Cu. Yd.		67	127	194
Concrete Structures	Cu. Yd.		239.6	70.1	309.7
Rubbed Finish	Sq. Ft.		3,132		3,132
Concrete Superstructure	Cu. Yd.	341.0			341.0
Bridge Deck Grooving	Sq. Yd.	875			875
Concrete Encasement	Cu. Yd.		14.2	9.2	23.4
Protective Coat	Sq. Yd.	1,179			1,179
Furnishing and Erecting Structural Steel	L. Sum	0.3			0.3
Stud Shear Connectors	Each	3,471			3,471
Reinforcement Bars, Epoxy Coated	Pound	68,650	16,800	11,280	96,730
Bar Splicers	Each	489	84	20	593
Furnishing Steel Piles HP12x53	Foot			1,482	1,482
Furnishing Steel Piles HP14x89	Foot		1,014		1,014
Driving Piles	Foot		1,014	1,482	2,496
Pile Shoes	Each		26	26	52
Name Plates	Each	1			1
Anchor Bolts, 1"	Each		52	52	104
Concrete Sealer	Sq. Ft.		5,042		5,042
Geocomposite Wall Drain	Sq. Yd.			138	138
Pipe Underdrains for Structures 4"	Foot			224	224
Textured Slopewall	Sq. Yd.			587	587
Form Liner Limestone Surface	Sq. Ft.		1,757		1,757
Drainage Scuppers, DS-11	Each	8			8
Temporary Soil Retention System	Sq. Ft.			160	160
Ornamental Railing	Foot	225			225
Drainage System	L. Sum	0.3			0.3

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GENERAL NOTES, BILL OF MATERIAL &
INDEX OF SHEETS
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER 18th AVENUE
FAP ROUTE 308 SEC. 1(HB-1)R
ROCK ISLAND COUNTY
STATION 1517+79.41
STRUCTURE NO. 081-0171

DESIGNED	AMK
CHECKED	CMM
DRAWN	OS
CHECKED	RWC

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS