

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
F.A.P. 308	#	ROCK ISLAND	210	86	31 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

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

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. dia., holes $\frac{15}{16}$ in. dia., unless otherwise noted.
- Calculated weight of Structural Steel M270 Grade 36 = 26,020 lbs.
Calculated weight of Structural Steel M270 Grade 50 = 159,700 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 $\frac{1}{8}$ 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 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.			276	276
Removal of Existing Structures No. 3	Each	2			2
Protective Shield	Sq. Yd.	1,104			1,104
Structure Excavation	Cu. Yd.		80	160	240
Concrete Structures	Cu. Yd.		327.5	82.4	409.9
Rubbed Finish	Sq. Ft.		3,400		3,400
Concrete Superstructure	Cu. Yd.	103.8			403.8
Bridge Deck Grooving	Sq. Yd.	1,079			1,079
Concrete Encasement	Cu. Yd.		19.6	11.2	30.8
Protective Coat	Sq. Yd.	1,349			1,349
Furnishing and Erecting Structural Steel	L. Sum	0.3			0.3
Stud Shear Connectors	Each	3,744			3,744
Reinforcement Bars, Epoxy Coated	Pound	88,620	19,990	13,370	121,980
Bar Splicers	Each	160			160
Furnishing Steel Piles HPI2x53	Foot			1,952	1,952
Furnishing Steel Piles HPI4x89	Foot		2,304		2,304
Driving Piles	Foot		2,304	1,952	4,256
Pile Shoes	Each		36	32	68
Name Plates	Each	2			2
Anchor Bolts, 1"	Each		48	48	96
Concrete Sealer	Sq. Ft.		6,490		6,490
Geocomposite Wall Drain	Sq. Yd.			171	171
Pipe Underdrains for Structures 4"	Foot			340	340
Textured Slope Wall	Sq. Yd.			993	993
Form Liner Limestone Surface	Sq. Ft.		2,913		2,913
Ornamental Railing	Foot	482			482

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GENERAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER 31st AVENUE
FAP ROUTE 308 SEC. 1(HB-2)R
ROCK ISLAND COUNTY
STATION 1470+70.31
STR. 081-0172 (SB) STR. NO. 081-0173 (NB)

DESIGNED CMM
CHECKED AMK
DRAWN OS
CHECKED RWC

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

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