

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 21 SHEETS
FAP 328	(10BR-2)B-1	WAYNE		101	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 74040

GENERAL NOTES

- Fasteners shall be AASHTO M 164 Type I, mechanically galvanized bolts. Bolts $7/8"$ ϕ , holes $15/16"$ ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 72,860 lbs., Grade 50
7,260 lbs., Grade 36
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $1/8$ in. (0.01 ft.). Adjustment shall be made by grinding the surface or by shimming the bearings.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr.60 (IL Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- All construction joints shall be bonded.
- The contractor shall drive test piles in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles. The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.
- The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures.
- 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 Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
- Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		972	972
Underwater Structure Excavation Protection, Location 3	Each		1	1
Underwater Structure Excavation Protection, Location 4	Each		1	1
Porous Granular Embankment (Special)	Cu. Yd.		112	112
Geocomposite Wall Drain	Sq. Yd.		68	68
Pipe Underdrains for Structures, 4"	Foot		127	127
Filter Fabric	Sq. Yd.		234	234
Stone Riprap, Class A4	Sq. Yd.		234	234
Concrete Structures	Cu. Yd.		117.5	117.5
Concrete Superstructure	Cu. Yd.	210		210
Concrete Encasement	Cu. Yd.		9.8	9.8
Furnishing and Erecting Structural Steel	L. Sum	0.42		0.42
Stud Shear Connectors	Each	2394		2394
Reinforcement Bars, Epoxy Coated	Pound	44150	12660	56810
Bridge Deck Grooving	Sq. Yd.	570		570
Protective Coat	Sq. Yd.	713		713
Floor Drains	Each	18		18
Temporary Sheet Piling	Sq. Ft.		1580	1580
Temporary Support System	Each	1		1
Furnishing Steel Piles, HP 12x53	Foot		1583	1583
Driving Piles	Foot		1583	1583
Test Pile Steel, HP 12x53	Each		4	4
Pile Shoes	Each		28	28
Anchor Bolts, 1"	Each	48		48
Bar Splicers	Each	509	84	593
Name Plates	Each	1		1

STA. 384+59.40
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 328
SEC. (10BR-2)B-1
LOADING HS20
STR. NO. 096-0068

NAME PLATE
See Std. 515001

BENTON & ASSOCIATES, INC.

DESIGNED	MBH
CHECKED	NRF
DRAWN	MBH
CHECKED	NRF

GENERAL NOTES & QUANTITIES
US 45 / DEER CREEK
F.A.P. RT. 328
WAYNE COUNTY
SN. 096-0068