ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 693	19BR-1	FORD	50	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 2
20 SHEETS

Contract #66697

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts $^{7}/_{8}$ in. diameter, holes $^{15}/_{16}$ in. diameter, unless otherwise noted.

Calculated weight of Structural Steel = 69,210 pounds.

All structural steel shall be AASHTO M 270 Grade 50W.

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.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Layout of slope protection system may be varied in the field to suit ground conditions in the field as directed by the Engineer.

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 piles.

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 for removal and replacement of the superstructure.

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Asbestos Bearing Pad Removal	Each	32		32
Structure Excavation	Cu. Yd.		229.4	229.4
Concrete Superstructure	Cu. Yd.	160.9		160.9
Concrete Structures	Cu. Yd.		106.5	106.5
Concrete Encasement	Cu. Yd.		18.6	18.6
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2,232		2,232
Reinforcement Bars, Epoxy Coated	Pound	36,460	8,340	44,800
Furnishing Metal Shell Piles 14"x.312"	Foot		916	916
Driving Piles	Foot		916	916
Test Pile Metal Shells	Each		2	2
Anchor Bolts, 1"	Each		48	48
Name Plates	Each	1		1
Bridge Deck Grooving	Sq. Yd.	447		447
Protective Coat	Sq. Yd.	608		608
Bar Splicers	Each	460	80	540
Stone Riprap, Class A4	Sq. Yd.		950	950
Filter Fabric	Sq. Yd.		950	950
Porous Granular Embankment (Special)	Cu. Yd.		89.8	89.8
Geocomposite Wall Drain	Sq. Yd.		56	56
Pipe Underdrains for Structures, 4"	Foot		95	95
Underwater Structure Excavation Protection, Location 1	Each		1	1
Underwater Structure Excavation Protection, Location 2	Each		1	1
Temporary Sheet Piling	Sq. Ft.		1,097	1,097

INDEX OF SHEETS

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, Il 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND TOTAL BILL OF MATERIAL
IL RTE 9 OVER DRUMMER CREEK
FAP RTE 693 - SECTION 19BR-1
FORD COUNTY
STATION 810+73.11
STRUCTURE NO. 027-0096

DATE: 8/7/2007
DRAWN BY LCM
CHECKED BY BLB

8/3/2007 K:\1208226\Structure\Final Plans\Final.dgn