

COUNTY SECTION SHEETS NO. SHEET 1 241BR 516 CHAMPAIGN 82 15 OF 5 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 70359

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer. The concrete cylinders at the north abutment slope shall be removed and replaced with riprap.

All construction joints shall be bonded.

Attach new Name Plate to the backside of 8" rail element. Existing Name Plate is to be removed, cleaned and relocated adjacent to the new Name Plate. Cost included in the cost of Name Plates.

The minimum thickness of the concrete wearing surface shall be 5" and varies as required to adjust for the new profile grade and beam camber.

The existing aluminum bridge rail shall be removed and salvaged for used by IDOT District 5 Operations. The Contractor shall coordinate with the Engineer. The existing expansion bearing pads at the piers contain asbestos. The Contractor shall take appropriate precautions to deal with the presence and

disposal of asbestos on this project. (See Special Pravisions)

Repair of the substructure (Pier 2) shall be complete prior to placement of the

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

If the Contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on new 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 that the equipment and procedure used will not overstress the new beams. To distribute load to multiple beams and protect the concrete, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. Prior to placement of the timber mats the following shall be done: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys. A temporary means of lateral restraint will be required for fascia beams at expansion ends of beams to prevent movement of the beams.

TOTAL BILL OF MATERIAL

ПЕМ	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu Yd		34	34
Stone Riprap, Class A4	Sq Yd		606	606
Filter Fabric	Sq Yd		606	606
Removal of Existing Superstructures	Each	1		1
Structure Excavation	Cu Yd	~ ~	42	42
Concrete Structures	Cu Yd	~~	1.2	1.2
Bridge Deck Grooving	Sq Yd	374		374
Protective Coat	Sq Yd	400		400
Precast Prestr. Conc. Deck Beams (21" Depth)	Sq Ft	3600		3600
Reinforcement Bars, Epoxy Coated	Pound	5040	180	5220
Steel Bridge Rail, Type SM	Foot	240		240
Name Plates	Each	1	~ ~	1
Geocomposite Wall Drain	Sq Yd		24	24
Pipe Underdrains For Structures, 4"	Foot		106	106
Structural Repair of Concrete (Depth =< 5")	Sq Ft		2	2
Concrete Wearing Surface, 5"	Sq Yd	400		400
Asbestos Bearing Pad Removal	Each		22	22

GENERAL PLAN FAS 516 (CH 12) OVER UPPER SALT FORK DITCH FAS ROUTE 516 SECTION 241BR CHAMPAIGN COUNTY STATION 3+56.00 STRUCTURE NO. 010-0221