

ROLITE NO.	SECTION	CDUNTY		TOTAL SHEETS	SPREET NO.	SHEET NO. 1	
F.A.P. 693	(1198-3)1	TAZEWELL		31	10	14 SHEETS	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-			1	

Contract # 68415

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products. Reinforcement bars shall conform to the requirements of ASTM A 706

Gr 60 (IL Modified). See Special Provisions

All construction joints shall be bonded.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

The minimum thickness of the Bituminous overlay shall be 2" and varies as required to adjust for the new profile grade and beam camber.

The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractors responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

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.

UNIT SUPER ITEM TOTAL Removal of Existing Superstructures Each Concrete Remova u. Yd. 2.4 Preformed Joint Strip Seal 33 33 3.4 Foot Concrete Structures Cu. Yd. Structural Repair of Concrete 45.1 Sq. Ft. 45.1 (Depth Faual to or Less Than 5") Sq. Ft. Precast Concrete Bridge Slab 299 299 Precast Prestressed Concrete Deck Sq. Ft. 2066 2066 Beams (27" Depth) Reinforcement Bars, Epoxy Coated 450 207 Pound 450 Steel Railing, Type SM 207 Foot Fach Name Plates 1 Waterproofing Membrane System Sq. Yd. 230 230 PC Mortar Fairing Course Foot 626 626 Hot-mix Asphalt Surface Course 33.1 Топ 33.1 Mix "D". N50 Bar Splicers Each 8

TOTAL BILL OF MATERIAL

PLAN AND ELEVATION ILLINOIS ROUTE 9 OVER PRAIRIE CREEK F.A.P. ROUTE 693 SECTION (119B-3)1 TAZEWELL COUNTY SN 090-0061