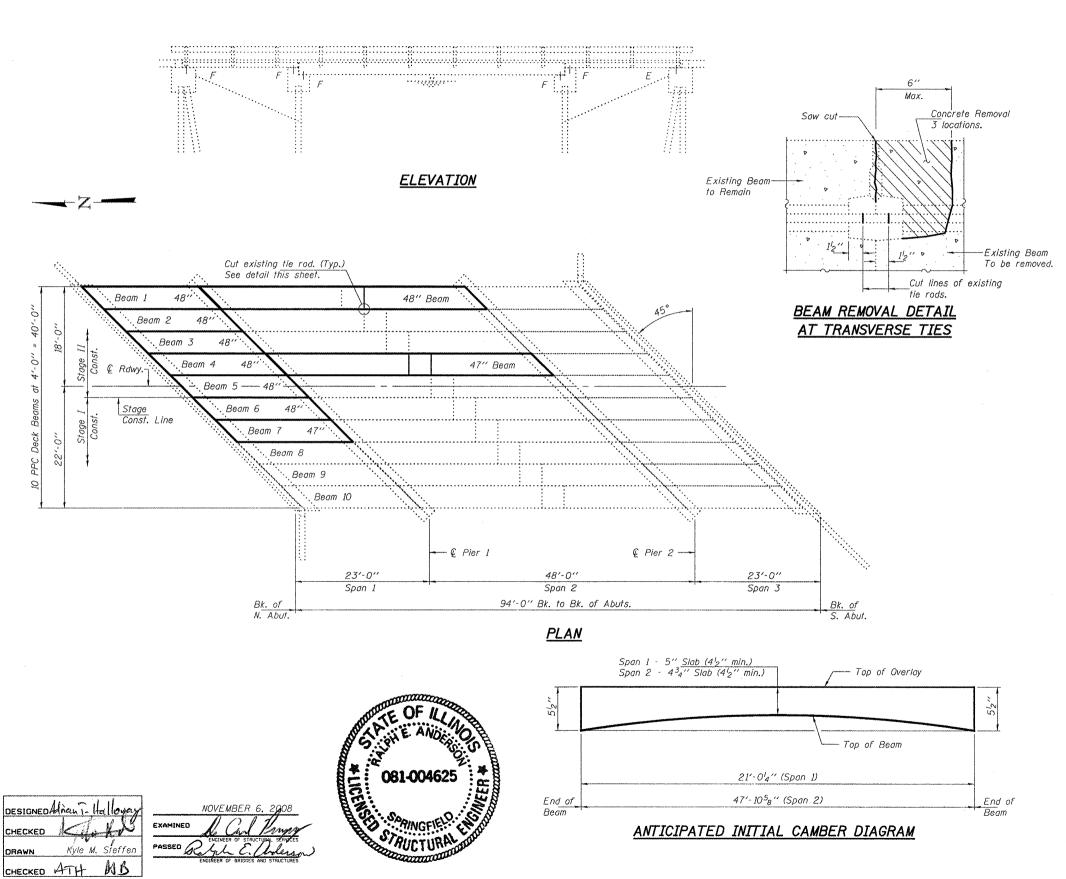
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



Expires: November 30, 2010

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

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.

If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, 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 or existing beams. To distribute load to multiple beams and protect the existing surface, 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. If heavy equipment will be placed on new PPC deck beams, the following shall be done prior to placement of the timber mats: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys.

Any damage done to the bridge during beam removal shall be repaird by

Any damage done to the bridge during beam removal shall be repaird the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams,

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

Temporary concrete barrier shall only be anchored into the overlay and not into the PPC Deck Beams.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with PPC Deck Beams.

The minimum thickness of the Concrete overlay shall be 4^l_2 " and varies as required to adjust for the new profile grade and beam camber.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Wearing Surface (5").

DESIGN STRESSES

PRECAST PRESTRESSED UNITS f'c = 6,000 psi

f'ci = 5,000 psi $f's = 270,000 \text{ psi} (\frac{l}{2})'' \text{ low lax strands})$ $f'si = 201,960 \text{ psi} (\frac{l}{2})'' \text{ low lax strands})$

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY	
Removal of Existing PPC Deck Beams	Sq. Ft.	972	
Precast Prestressed Concrete Deck Beams (11'' Depth)	Sq. Ft.	587	
Precast Prestressed Concrete Deck Beams (27'' Depth)	Sq. Ft.	379	
Concrete Removal	Cu. Yd.	1.3	
Concrete Wearing Surface (5")	Sq. Yd.	117	
Reinforcement Bars, Epoxy Coated	Pound	1210	
Removing & Re-erecting Existing Railing	Foot	69	
Mechanical Splicers	Each	102	
Protective Coat	Sq. Yd.	117	

PLAN & ELEVATION
US ROUTE 67 OVER
FARMER'S FORK
SN 055-0027

SHEET NO.1	F.A.P. RTE.	SE	CTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	310		-	McDONOUGH	16	10	
	7 SHEETS				CONTRACT	NO.	
		FED. RO.	AD DIST.NO.	ILLINOIS FED. A	ID PROJECT		