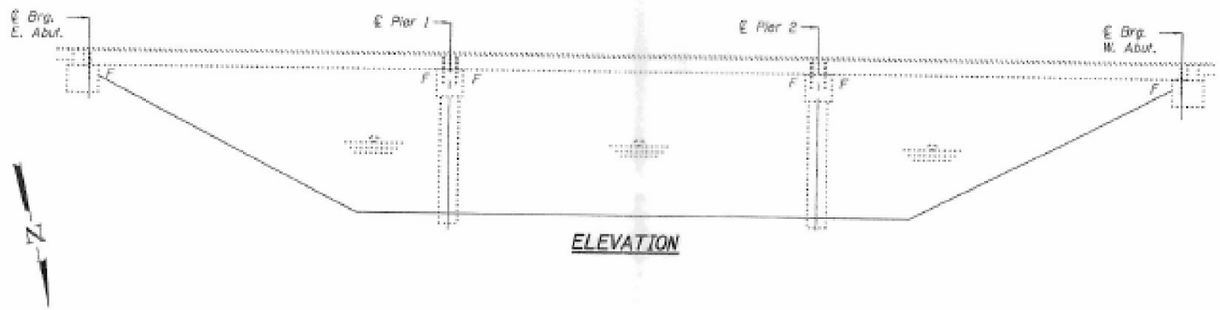
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

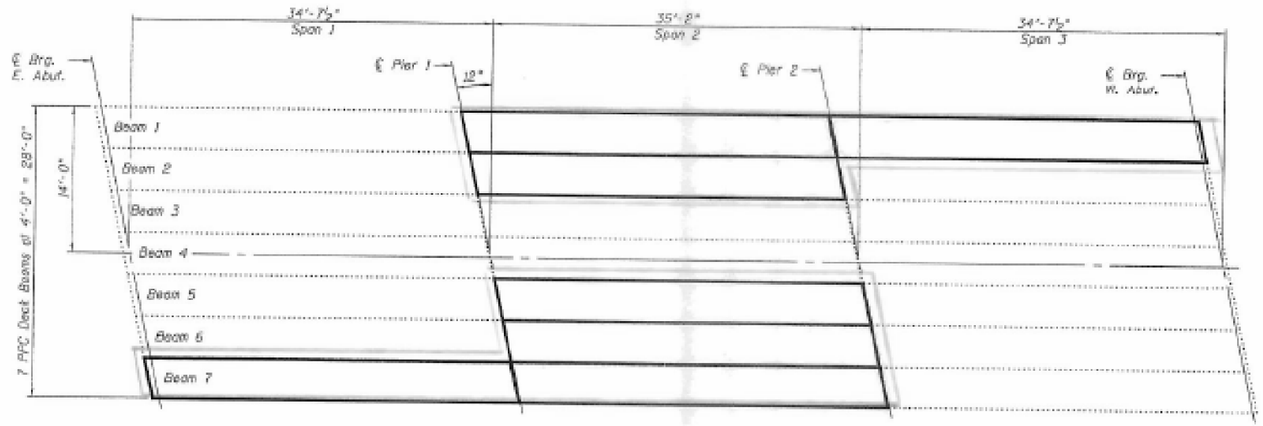
FOR INFORMATION ONLY

					SHEET NO. 1
FAS 370	Rte 880	Livingston	13	10	4 SHEETS

Contract Number: 66814



ELEVATION



PLAN

GENERAL NOTES

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.

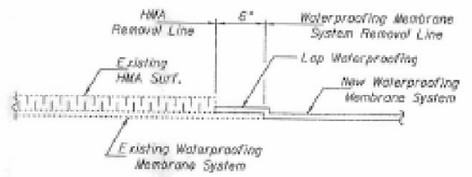
If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed 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 repaired by 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.

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.

Concrete barriers are to be anchored into overlay and not into existing PPC Deck Beams.



WATERPROOFING TREATMENT

HMA Surface & Waterproof membrane Limits

DESIGN STRESSES
PRECAST UNITS

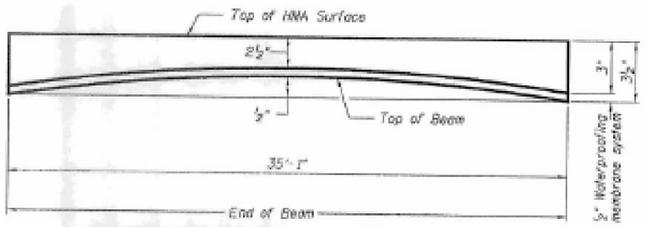
f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (½" ϕ low lax strands)
f'si = 201,960 psi (½" ϕ low lax strands)

DESIGNED
CHECKED
DRAWN
CHECKED

May 9, 2008
EXAMINED
PASSED
CHIEF ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
RALPH E. ANDERSON
081-004625
SPRINGFIELD
LICENSED STRUCTURAL ENGINEER

Expires: November 30, 2009



ANTICIPATED INITIAL CAMBER DIAGRAM

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Removal of Existing PPC Deck Beams	Sq. Ft.	982.0
PPC Deck Beams (17" Depth)	Sq. Ft.	982.0
HMA Surface Removal	Sq. Yd.	38.3
HMA Surface Course Mix "C" N50	Tons	22.8
PC Mortar Fairing Course	Foot	245.5
Recovering and Re-greating Existing Railing	Foot	140.5
Waterproofing Membrane System	Sq. Yd.	147.4

PLAN AND ELEVATION
F.A.S. RT. 370
LIVINGSTON COUNTY
SN 053-0157

SLT-93-001-08

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	PLOT DATE = 8/14/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	(102 BR)BR	LIVINGSTON	65	49
		CONTRACT NO. 66A18		
	ILLINOIS FED. AID PROJECT			