

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO.
F.A.P. 502	54BR-1	ADAMS	28	16	9 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #72873

GENERAL NOTES

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. This work shall be performed by the producer and included with the cost of the beam.

Repair of abutments shall be completed prior to placement of new deck beams. The minimum thickness of the Concrete overlay shall be 5" 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 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 procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the 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 procedures 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 the beams to prevent movement of the beams.

The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted.

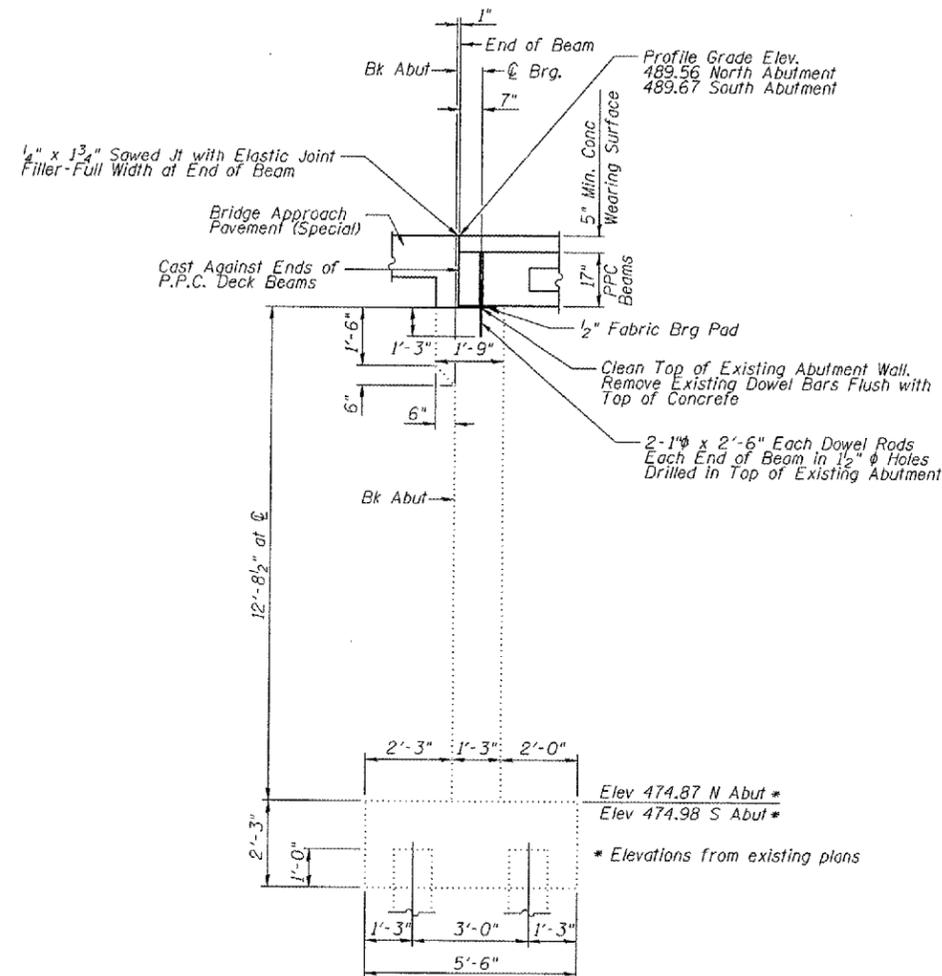
Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60 (IL Modified). See Special Provisions.

Plan dimensions and details relative to existing structure have been taken from existing plans and field surveys 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.

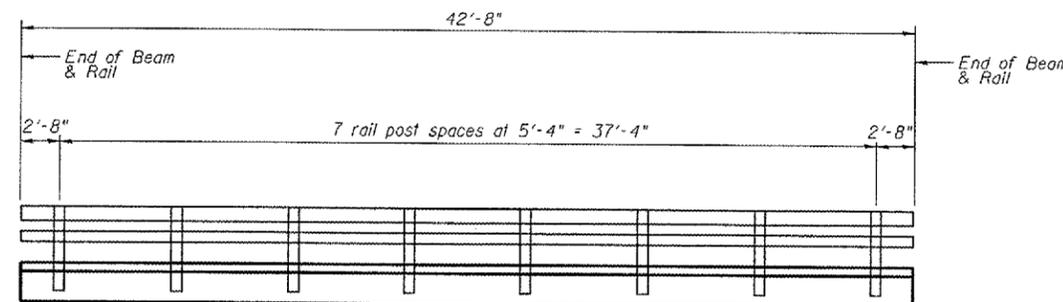
All construction joints shall be bonded.
Reinforcement bars designated (E) shall be epoxy coated.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Removal of Existing Superstructures	Each	1
Concrete Wearing Surface, 5"	Sq. Yd.	157
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1408
Reinforcement Bars, Epoxy Coated	Pound	2015
Bridge Deck Grooving	Sq. Yd.	157
Protective Coat	Sq. Yd.	157
Steel Bridge Rail, Type SM	Foot	86
Name Plates	Each	1
Bar Splicers	Each	44
Temporary Support System	L Sum	1
Asbestos Bearing Pad Removal	Each	24
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. ft.	50



SECTION THRU ABUTMENT
At Rt L's to C Abutment



RAIL POST SPACING

DESIGNED - WLW
CHECKED - ADL
DRAWN - BGJ
CHECKED - ADL

GENERAL NOTES AND DETAILS
F.A.P 502 ROUTE IL 57 SEC. 54BR-1
ADAMS COUNTY
STATION 114+75.00
STRUCTURE NO. 001-0014

7/21/2007

\$FILE\$