

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

ROUTE NO.	SECTION	COUNTY	DIST.	SHEET NO.
FAP 22	127BR-1	HENRY		16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
16 SHEETS

Contract # 64B24

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

All new steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1. Cost included with Bridge Joint System (Expansion), 1".

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 Construction joints shall be bonded.

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when deck is poured at an ambient temperature other than 50°F.

The minimum thickness of the Concrete overlay shall be 5" and varies as required to adjust for the new profile grade and actual beam camber.

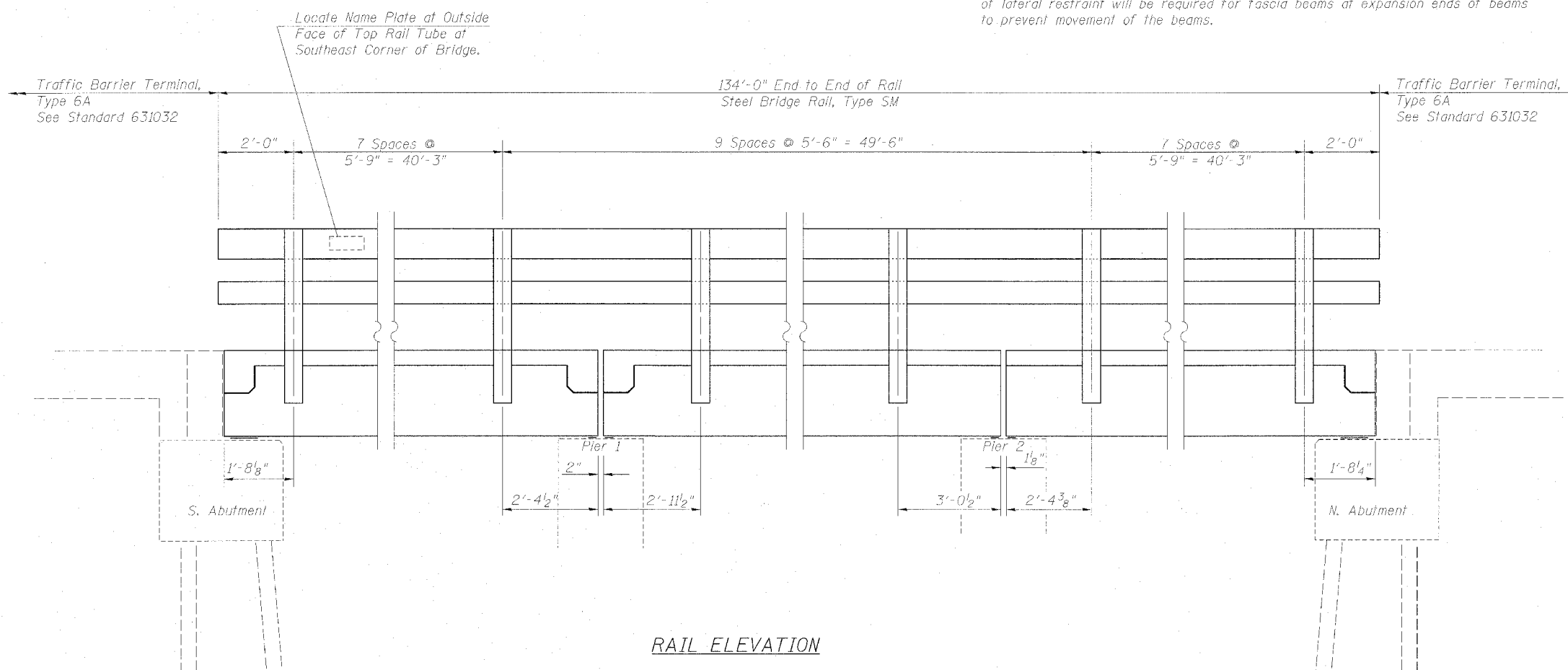
Repair of the pier and abutment caps shall be completed prior to placement of the new deck beams.

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.

No in-stream work will be allowed on this project.

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 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.



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		9.5	9.5
Concrete Structures	Cu. Yd.		9.3	9.3
Bridge Deck Grooving	Sq. Yd.	622		622
Protective Coat	Sq. Yd.	666		666
Concrete Wearing Surface 5"	Sq. Yd.	652		652
Formed Concrete Repair (Depth Equal To or Less Than 5")	Sq. Ft.		966.9	966.9
Formed Concrete Repair (Greater Than 5")	Sq. Ft.		146	146
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	5858		5858
Reinforcement Bars, Epoxy Coated	Pound	9650		9650
Steel Bridge Rail, Type SM	Foot	268		268
Name Plates	Each	1		1
Epoxy Crack Sealing	Foot		29	29
Bridge Joint System (Expansion), 1"	Foot	152		152
Concrete Slopewall Removal	Sq. Ft.		30	30
Concrete Slopewall	Sq. Ft.		30	30
Bar Splicers	Each	157		157
Asbestos Bearing Pad Removal	Each	90		90

DESIGNED	BAS
CHECKED	KEF & RJA
DRAWN	
CHECKED	

GENERAL NOTES, TOTAL BILL OF MATERIAL & RAIL ELEVATION
IL 78 OVER MUD CREEK
F.A.P. RTE. 22 - SECTION 127BR-1
HENRY COUNTY
STA. 542+78.43 - STR. NO. 037-0125