

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
F.A.P. 869	101BR-1	FRANKLIN	15	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #78024

SCOPE OF WORK

1. Remove existing surface, steel railing, deck beams, approach shoulder channel beams, and bearing pads.
2. Repair bearing seats and perform other repairs at abutments and pier as required.
3. Reconstruct a two-span P.P.C. deck beam superstructure with concrete wearing surface and steel railing, Type SM. Reconstruct approach shoulders with P.C. bridge slabs with concrete wearing surface and steel railing, Type SM.

STATION 362+35
REBUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 869 SEC. 101BR-1
LOADING HS20
STR. NO. 028-0047

NAME PLATE
See Std. 515001

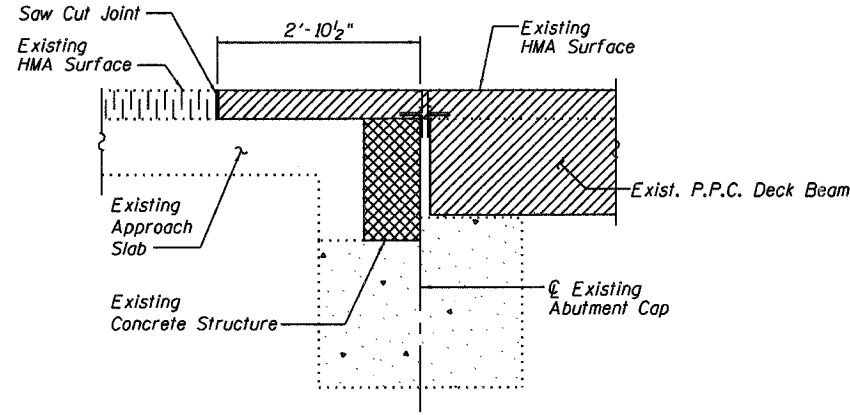
Notes:
Existing name plate shall be cleaned and relocated adjacent to the new name plate. Cost included with Name Plates.
Locate name plates at outside face of top steel railing tube at southwest corner of bridge.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	3.8	-	3.8
Concrete Structures	Cu. Yd.	3.8	-	3.8
Bridge Deck Grooving	Sq. Yd.	357	-	357
Protective Coat	Sq. Yd.	357	-	357
Precast Concrete Bridge Slab	Sq. Ft.	359	-	359
Precast Prestressed Concrete Deck Beams (17")	Sq. Ft.	2,499	-	2,499
Reinforcement Bars, Epoxy Coated	Pound	5,440	-	5,440
Bar Splicers	Each	96	-	96
Steel Railing, Type SM	Foot	252	-	252
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	71	-	71
Concrete Sealer	Sq. Ft.	-	22	22
Epoxy Crack Injection	Foot	-	3	3
Asbestos Bearing Pad Removal	Each	-	44	44
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	22	22
Concrete Wearing Surface, 5"	Sq. Yd.	357	-	357
Removal of Existing Precast Concrete Units	Sq. Ft.	359	-	359

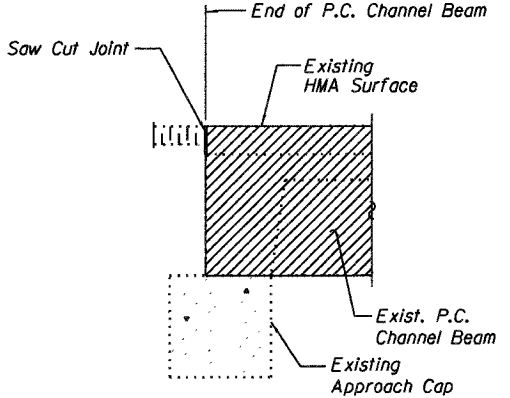
GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
2. 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.
3. Concrete Sealer shall be applied to the abutments and pier where concrete repairs are performed.
4. No in-stream work will be allowed on this project.
5. 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.
6. If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the new deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Precast Prestressed Concrete Deck Beams (17").
7. The minimum thickness of the concrete wearing surface shall be 5" and varies as required to adjust for the existing profile grade and beam camber.
8. Repair of the substructure shall be completed prior to placement of the new deck beams.



SECTION AT CENTERLINE ROADWAY

Note:
Horizontal dimension shown is at right angles to beam ends.



SECTION AT APPROACH SHOULDER

LIMITS OF EXISTING STRUCTURE FOR SUPERSTRUCTURE REMOVAL

Notes:
HMA removal over approach slab included in the cost of Removal of Existing Superstructures.
Removal of concrete structure indicated by crosshatch included in the cost of Concrete Removal.
HMA removal over approach shoulder channel beam and removal of P.C. channel beams included in the cost of the Removal of Existing Precast Concrete Units.



DESIGNED	RLM
CHECKED	MEL
DRAWN	AEC
CHECKED	RLM

**GENERAL STRUCTURE DATA
ILL. ROUTE 34 OVER EWING CREEK
F.A.P. ROUTE 869 SECTION 101BR-1
FRANKLIN COUNTY
STATION 362+35.00
STRUCTURE NO. 028-0047**