STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 778	3BR-1	HARDIN	69	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
14 SHEETS

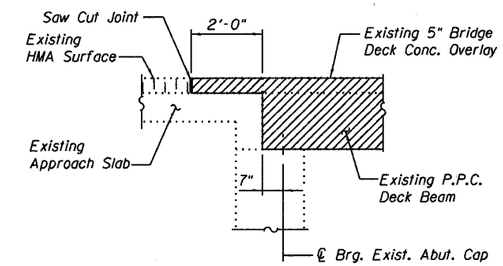
Contract #78023

SCOPE OF WORK

1. Install Pre-stage 1 Shoring as required.
2. Remove existing surface, steel railing, deck beams, and bearing pads.
3. Repair bearing seats and perform other repairs at abutments and pier as required.
4. Reconstruct a P.P.C. deck beam superstructure with concrete wearing surface and steel railing, Type SM.

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. 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.
5. 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").
6. 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.
7. Repair of the substructure shall be completed prior to placement of the new deck beams.



LIMITS OF EXISTING STRUCTURE FOR SUPERSTRUCTURE REMOVAL

Notes:
HMA removal over approach slabs included in cost of Removal of Existing Superstructures.
Existing HMA surface at shoulders to be left in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1	-	1
Bridge Deck Grooving	Sq. Yd.	271	-	271
Protective Coat	Sq. Yd.	271	-	271
Precast Prestressed Concrete Deck Beams (17")	Sq. Ft.	2,333	-	2,333
Reinforcement Bars, Epoxy Coated	Pound	3,470	-	3,470
Bar Splicers	Each	82	-	82
Steel Railing, Type SM	Foot	151	-	151
Steel Railing (Temporary)	Foot	76	-	76
Name Plates	Each	1	-	1
Concrete Sealer	Sq. Ft.	-	6	6
Epoxy Crack Injection	Foot	-	36	36
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	6	6
Concrete Wearing Surface, 5"	Sq. Yd.	271	-	271
Temporary Support System	L. Sum	1	-	1

MODJESKI and MASTERS
Consulting Engineers
SINCE 1893

DESIGNED	RLM
CHECKED	MEL
DRAWN	AEC
CHECKED	RLM

10/04/07

GENERAL STRUCTURE DATA
ILL. ROUTE 34 OVER PINHOOK CREEK
F.A.P. ROUTE 778 SECTION 3BR-1
HARDIN COUNTY
STATION 806+15.00
STRUCTURE NO. 035-0005