

Contract # 72A81

	ROUTE ND.	RECTION	COLINIY SANGAMON		TOTAL SHEATB	SHACE T MO,	SHEET NO.		
	F.A.P. 753	142 BR • 4			24	14	11	SHEETS	
FED. ROND DIST. NO, 7		RUINDIE	FEO. AID PROJECT-						

GENERAL NOTES

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

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

Reinforcement bars designated (E) shall be epoxy coated.

The minimum thickness of Concrete Overlay is 5" and varies as required to adjust for the profile grade and beam camber.

A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the fascia deck beam on the side exposed to view, and the adjacent side underneath for a distance extending 9 in, Cost included with PPC Deck Beams (33" Depth).

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 tlahtening 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.

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 secler 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 arowth has subsided. This work shall be performed by the producer and included with the cost of the beam.

Item	Unit	Sugar	Sub.		Total
11611		Super	Piers	Abuts.	TOTU
tective Coat	Sq. Yd.	1105	~	~	1105
noval of Existing Superstructures	Each	1	-	-	1
crete Removal	Cu. Yd.	-	28.0	3.4	31.4
crete Structures	Cu. Yd.	-	28.0	-	28.0
lge Deck Grooving	Sq. Yd.	1056	-	-	1056
cast Prestressed Concrete Deck]
ims (33'' Depth)	Sq. Ft.	9945	-	-	9945
nforcement Bars, Epoxy Coated	Pound	13760	2910	-	16670
- Splicers	Each	207	16		223
el Railing, Type SM	Foot	462	-	-	462
ne Plates	Each	1	-	-	1
crete Wearing Surface, 5"	Sq. Yd.	1105	-	-	1105
formed Joint Strip Seal	Foot	96	-	-	96
estos Bearing Pad Removal	Each	96	-	-	96
	1				

TOTAL BILL OF MATERIAL

		K-Plus Engineering, Ltd. T53 BINOSOR ROAD CHARLESTON, IL 61920 CHARLESTON, IL 61920 CHARLESTON, IL 61920 CHARLESTON, IL 61920 CHARLESTON, IL 61920 CHARLESTON, CHARLESTON PROFESSIONAL ROBLING OF AND SHALLESTON PROFESSIONAL ROBLING OF AND SHALLESTON PROFESSIONAL ROBLING OF AND SHALLESTON CHARLEST
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME C	DATE	
		GENERAL PLAN
		IL RTE, 104 OVER HORSE CREEK
		FAP 753 - SECTION 142BR-4 SANGAMON COUNTY
		STA 989+90.00 SN 084-0176 DRAWN BY1 ADG
		DATE: 08-01-07 SN U84-0176 CHECKED BY: DF