## **Summary of Quantities**

PLOT DATE = Wed Jun 20 13:4411 2007 FILE NAME = CRNbr\CADD plans\tionry Count PLOT SCALE = 50.0000 ' / JN. USER NAME = lirkdJ

50102400	CONCRETE REMOVAL	CU YD	4.4	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	(310}	
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	527	
0800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,790	
50900905	REMOVING AND RE-ERECTING EXISTING RAILING	FOOT	48	
57100100	MOBILIZATION	L SUM	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	11	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	
0106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	11	
0106700	TEMPORARY RUMBLE STRIP	EACH	6	
0300100	SHORT-TERM PAVEMENT MARKING	FOOT	55	
0300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	735	
0300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	24	
0301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	311	
0400100	TEMPORARY CONCRETE BARRIER	FOOT	350	
8300500	PAINT PAVEMENT MARKING REMOVAL	SO FT	100	
(0320047	REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS	SQ FT	538	
K0321781	MECHANICAL SPLICE	EACH	180	
5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	92	
0001900	ASBESTOS BEARING PAD REMOVAL	EACH	1	
0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	

▲ REVISED 7/19/07

- · ·			CONTRACT	NO. 64	D73
	F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
	638	(1298R-1)D	Henry	8	2
	STA.		TO STA		·
	FED. ROA	D DIST. NO ILLI	NOIS FED. AID	PROJECT	[

Summary of Quantities FAP Route 638 (IL 82) Section (129BR-1)D Henry County Illinois Route 82 over the Green River Structure No. 037-0071





SLT-92-001-07

ROUTE HO.	SECTION	country , Henry		TOTAL SHEETS	SHEET NO.	SHEET NO. 1
				-	5	4 SHEETS
FED. ROAD DIST	. NO. 7	R.L.INDIS	FED. ALD PR	aject-		
Contract	Numb	or. 641	173			

## <u>GENERAL NOTES</u>

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to manufacturer's specifications prior to another coat of zinc. This work shall be performed by the producer and included with the cost of the beam. Any damage done to the bridge during beam removal shall be repaird by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products. 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. Temporary Concrete Barrier should only be anchored into the overlay and not into the PPC Deck Beams. The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractors responsibility to account for the condition of the beams when developing construction procedures. If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, 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 or existing beams. To distribute load to multiple beams and protect the existing surface, 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. If heavy equipment will be placed on new PPC deck beams, the following shall be done prior to placement of the timber mats: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys. The minimum thickness of the concrete overlay shall be 5" and varies as required to adjust for the existing profile grade and beam camber. All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated. All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural

