

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUPER.	SUB.	TOTAL
Hot-Mix Asphalt Surface Removal Complete	Sq. Yd.	196	-	196
Removal of Existing Precast Prestressed Concrete Deck Beams	Sq. Ft.	348	-	348
Concrete Superstructure	Cu. Yd.	8.3	-	8.3
Concrete Removal	Cu. Yd.	5.9	-	5.9
Bridge Deck Grooving	Sq. Yd.	180	-	180
Protective Coat	Sq. Yd.	217	-	217
Concrete Wearing Surface, 5"	Sq. Yd.	203	-	203
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	348	-	348
Reinforcement Bars, Epoxy Coated	Pound	4,310	-	4,310
Bar Splicers	Each	39	-	39
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	-	272	272
Plug Existing Deck Drains	Each	6	-	6
Keyway Repair	Foot	350	-	350

* Based on the Field Notes from I.D.O.T. Maintenance Engineers, dated November 7, 2007

GENERAL NOTES:

1. 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 the scope of work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
2. The minimum thickness of the Concrete Overlay shall be 5 inches and varies as required to adjust for the new Profile Grade and Beam Camber.
3. 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.
4. 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 Timber 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.
5. Any damage done to the Bridge during Beam removal shall be repaired by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams.
6. The Top Surface of the Beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.
7. Temporary Concrete Barrier shall only be anchored into the Overlay and not the PPC Deck Beams.
8. No in-stream work will be allowed on this Project.
9. Slipforming of the Parapets is not allowed.
10. The Contractor must not use Milling Equipment for Hot-Mix Asphalt Surface Removal Complete.
11. The Contractor must not scarify any portion of the PPC Deck Beams.
12. The Contractor must remove the existing Wearing Surface, Waterproofing and any Foreign Materials using Hand Methods or Shotblasting. Cost is included with Hot-Mix Asphalt Surface Removal Complete.
13. Existing Reinforcement Bars extending into the Removal Area shall be cleaned, straightened and incorporated into the New Construction. Any Reinforcement Bars that are damaged during Concrete Removal shall be replaced with an approved Bar Splicer or Anchorage System. Cost included with Concrete Removal.
14. Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.
15. Reinforcement Bars designated (E) shall be Epoxy Coated.
16. A Protective Coat shall be applied to the entire top surface of the Bridge Deck and to the top and the inside vertical faces of the Parapets.



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FILE NAME = general.notes.sht	USER NAME = IDOT	DESIGNED - B.N.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & TOTAL BILL OF MATERIAL U.S. 45 / 52 OVER TOTAL STREAM S.N. 099-0122	F.A.P. RTE. 330	SECTION 17 B-1-1-1	COUNTY WILL.	TOTAL SHEETS 29	SHEET NO. 14	
		DRAWN - D.L./R.E.S./F.M.	REVISED -			SCALE:	SHEET NO. S2 OF S11 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		CHECKED - B.N.S. / J.C.N.	REVISED -			CONTRACT NO. 60D68					
		DATE - JULY 10, 2008	REVISED -								