

468.00

APPROVED BY: RDP 08/08

f'c = 3,500 psi fy = 60,000 psi (Reinf.)

LOCATION SKETCH

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHUEET NO.	SHEET NO. 1		1
FAP 328	**	CLAY		109	37	6	SHEETS	;
FED, ROAD C	15T. NO.	ILLINGIS	FED. AID PRO	JECT-				
Contraci	t #741	07		**(	5BR-3)B-1			

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## GENERAL NOTES

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

2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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 for removal of the superstructure.

4. If the Contractor's procedure for existing deck beam removal involves placement of cranes or other heavy equipment on the existing deck 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 the structural adequacy of the beams for the proposed loads. Costs included in Removal of Existing Structures.

5. The cost of the removal of existing precast concrete units and approach caps at the approaches is included in the cost of Removal of Existing Structures.

6. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before Stage I removal of the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.

7. For backfilling and embankment, see Standard Specifications.

8. At least 6'-0" of the barrel shall be poured monolithically with wingwalls.

9. Precast alternate is not allowed.

10. The limits and quantities of Removal and Disposal of Unsuitable Material shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

## TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Stone Riprap, Class A4	Sq. Yd.	281
Filter Fabric	Sq. Yd.	281
Removal of Existing Structures No. 2	Each	1
Concrete Box Culverts	Cu. Yd.	167
Reinforcement Bars	Pound	29,790
Temporary Soil Retention System, (Location 2)	Sq. Ft.	255
Name Plates	Each	1
Bar Splicers	Each	129
Rock Fill - Replacement	Cu. Yd.	115
Removal and Disposal of Unsuitable Material	Cu. Yd.	115

See Roadway Plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Porous Granular Embankment.

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APPROVED FOR STRUCTURAL ADEQUACY ONLY

Ralph E auderson (TJD) ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN US 45 OVER BRANCH OF ELM CREEK FAP ROUTE 328 - SECTION (6BR-3)B-1 CLAY COUNTY STATION 1638+03.20 STRUCTURE NO. 013-2010