

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60. See Special Provisions.

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.

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

Reinforcement Bars designated (E) shall be epoxy coated.

Slip forming of the parapets is not allowed.

The minimum thickness of the bituminous overlay shall be 2" and varies as required to adjust for the profile grade and beam camber.

Repair of the substructure shall be completed prior to placement of the new deck beams.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

The amount of Structure Excavation behind each abutment that is required to complete this project shall be determined by the Contractor. Backfill material shall consist of Porous Granular Embankment, in accordance with Section 207. Structure Excavation and Porous Granular Embankment will not be measured and paid for separately. Instead, the cost of Structure Excavation and Porous Granular Embankment shall be included with Removal of Existing Superstructures.

The Contractor shall be responsible for maintaining the stability and structural integrity of the existing structure, in accordance with the project specifications. In addition, behind the west abutment the Contractor shall excavate to a depth of 10' before beams are removed in each stage of removal. The use of temporary sheet pile will be needed. See GBSP 32, 63 and sheets S1 & S15 of S18 for additional information.

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the existing or new deck beams or existing pump house roof, 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 or roof for the proposed loads. Cost included with Removal of Existing Superstructures.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied

Steel beams below the fiberglass grating in the pump house shall be cleaned and painted, to be included in Cleaning and Painting Metal Structures. See GBSP 25 for more details. For estimating purposes, the area of steel to be cleaned and painted in the pump house room is approximately 85 sq. ft.

The walls inside the pump house station shall be cleaned and coated with a masonry waterproofing paint to minimize the moisture in the station, to be included in the cost of Masonry Waterproofing paint. See special provisions for details.

The exterior door of the pump station shall be replaced - including door, door jam & all hardware to provide a complete, functional & secure access to the pump house. The cost for all materials, labor & accessories required to remove and replace the door assembly shall be included in Furnish and Install Access Door. See special provisions for details.

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	APPR. SLAB	TOTAL
Approach Slab Removal	Sq. Yd.			105	105
Removal of Existing Superstructures	Each	1			1
Concrete Removal	Cu. Yd.		5		5
Concrete Structures	Cu. Yd.			29	29
Concrete Superstructure	Cu. Yd.	37	5	129	171
Protective Coat	Sq. Yd.	140	10	320	470
P.P.C. Deck Beams (17" Depth)	Sq. ft.	4433			4433
Reinforcement Bars, Epoxy Coated	Pound	3820	880	34660	39360
Bar Splicers	Each		16	444	460
Bicycle Railing	Foot	85			85
Parapet Railing	Foot	85		46	131
Temporary Sheet Piling	Sq. Ft.	550			550
Name Plates	Each	1			1
Portland Cement Mortar Fairing Course	Foot	1391			1391
Epoxy Crack Injection	Foot		374		374
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	80	235		315
Furnish & Install Access Door	Each	1			1
Waterproofing Membrane System (Special)	Sq. Yd.	545			545
Cleaning & Painting Metal Structures	L. Sum	1			1
Asbestos Bearing Pad Removal	Each	72			72
Masonry Waterproofing Paint	Sq. Yd.		138		138

DESIGNED -	SLV
CHECKED -	MJM
DRAWN -	SLV
CHECKED -	MJM

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**GENERAL DATA
STRUCTURE NO. 049-0131**

SHEET NO. S2 OF S18 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1238	125SB-1-R	LAKE	38	15
D-91-045-08			CONTRACT NO. 60D57		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					