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GENERAL NOTES:

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4-in. ϕ , holes 13/16-in. ϕ , unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

Existing structural steel in contact with new structural steel shall be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surfaces of Existing Steel Structures".

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures". All existing structural steel including beams, diaphragms and bearings shall be cleaned per near white blast cleaning - SSPC - SP10. All existing steel shall be painted according to the requirements of paint system 1 - Oz/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. the color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.

In addition to the requirements of Article 501.03 in the Standard Specifications, the Contractor shall evaluate the condition of the existing Protective Shield. Such evaluation shall be performed by a licensed Structural Engineer in Illinois. The cost of this evaluation is included with Protective Shield. If structurally adequate, the existing Protective Shield shall remain in place for demolition of the existing bridge deck. The Contractor shall be paid for this work based on the total quantity of existing and new Protective Shield actually required at the contract unit price per square yard for Protective Shield.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.		15.9	15.9
Slope Wall Removal	Sq. Yd.		51	51
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq. Yd.	361		361
Structure Excavation	Cu. Yd.		26	26
Floor Drains	Each	12		12
Concrete Structures	Cu. Yd.		54.6	54.6
Concrete Superstructure	Cu. Yd.	382.8		382.8
Bridge Deck Grooving	Sq. Yd.	935		935
Protective Coat	Sq. Yd.	1,551		1,551
Furnishing and Erecting Structural Steel	Pound	1,990		1,990
Stud Shear Connectors	Each	3,080		3,080
Reinforcement Bars, Epoxy Coated	Pound	93,760	9,760	103,520
Bar Splicers	Each		126	126
Slope Wall, 4"	Sq. Yd.		142	142
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	62.5		62.5
Elastomeric Bearing Assembly, Type I	Each	5		5
Elastomeric Bearing Assembly, Type II	Each	5		5
Anchor Bolts, 3/4"	Each	40		40
Jack and Remove Existing Bearings	Each	10		10
Structural Steel Repair	Pound	990		990
Containment and Disposal of Lead Paint	L.Sum	1		1
Cleaning Residues	L.Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L.Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		84	84
Drainage Scuppers, DS-II	Each	4		4
Modular Expansion Joint, 6"	Foot	62.5		62.5
Granular Backfill for Structures	Cu. Yd.		20	20



USER NAME =	DESIGNED - AMS	REVISED -
CHECKED - JMS	REVISED -	
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - AMS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, BILL OF MATERIALS AND INDEX OF SHEETS
STRUCTURE NO. 049-0087**

SHEET NO. S2 OF S24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	125HB-BR	LAKE	51	19
CONTRACT NO. 60R61				
ILLINOIS FED. AID PROJECT				