

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{1}{16}$ 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 them 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 shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

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 $\frac{1}{4}$ 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.

Concrete Sealer shall be applied to the new concrete surfaces at the front face of new backwalls and bearing seat extensions.

Cleaning and field painting of existing structural steel shall be done under a separate painting contract.

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

Existing structural steel shall only be cleaned and painted as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All new structural steel shall be shop painted with an organic zinc rich primer. See Special Provisions.

The Contractor shall resurvey the I-57 vertical clearance over each lane and shoulder following the deck replacement. This work will not be paid for separately, but shall be included with the contract lump sum price for "Construction Layout".

Existing protective shield shall be salvaged by the Contractor and delivered to the IDOT, District Bridge Maintenance Yard located at 1101 Biesterfield Road, Elk Grove Village, Illinois, 60007. Telephone number: (847) 956-1444 (48 hours advance notice required). This work shall include removing, transporting and unloading the protective shield at the above yard which cost shall be considered included in the cost of bridge deck removal.

Existing light poles shall be salvaged by the Contractor and delivered to the City of Chicago's required site. See Electrical Plans for details and payment of this work.

Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	-	66.8	66.8
Removal of Existing Concrete Deck	Each	1	-	1
Protective Shield	Sq. Yd.	1143	-	1143
Structure Excavation	Cu. Yd.	-	56.0	56.0
Concrete Structures	Cu. Yd.	-	59.6	59.6
Concrete Superstructure	Cu. Yd.	729.8	-	729.8
* Bridge Deck Grooving	Sq. Yd.	1425	-	1425
* Protective Coat	Sq. Yd.	2244	-	2244
Furnishing and Erecting Structural Steel	Pound	-	4640	4640
Stud Shear Connectors	Each	4368	-	4368
Jack & Remove Existing Bearings	Each	-	28	28
Reinforcement Bars, Epoxy Coated	Pound	126710	8400	135110
Bar Splicers	Each	703	110	813
Bridge Fence Railing	Foot	562	-	562
Temporary Sheaf Piling	Sq. Ft.	-	233	233
Name Plates	Each	-	2	2
Preformed Joint Strip Seal	Foot	143	-	143
Elastomeric Bearing Assembly, Type 1	Each	-	28	28
Anchor Bolts, 1"	Each	-	56	56
Concrete Sealer	Sq. Ft.	-	853	853
Epoxy Crack Injection	Foot	-	126	126
Drainage System	L. Sum	1	-	1
Drainage Scuppers, DS-12	Each	4	-	4
Removal of Asbestos Cement Conduit	Foot	1148	-	1148
** Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	-	464	464
*** Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	-	50	50

* Includes Approach Slab

**An increase of 140 square feet of Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) has been added to the areas shown in the plans per the direction of IDOT District One.

***An amount of 50 square feet of Structural Repair of Concrete (Depth Greater Than 5 Inches) has been added per the direction of IDOT District One.

STATION 14+47.54
REBUILT BY
STATE OF ILLINOIS
F.A.I. RT. 57 SECTION 2222.3B
LOADING HS 20
STRUCTURE NO. 016-2030


NAME PLATES

See Std. 515001

The Name Plates shall be attached to both abutments adjacent to the existing name plates according to Section 515 of the Standard Specifications except that the Name Plate shall be surface mounted using vandal-proof screws.

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.

**GENERAL NOTES AND
TOTAL BILL OF MATERIAL
STRUCTURE NO. 016-2030**

 LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois	SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	32 SHEETS	57	2222.3B	COOK	77	32
Designed By: ESH Date: 7/2009		Checked By: MTH File: 016-2030.dgn		Drawn By: ESH		CONTRACT NO. 62119
		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT