

GENERAL NOTES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.

Stage construction shall be utilized to maintain traffic during construction.

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

Reinforcement bars designated (E) shall be epoxy coated.

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

Structural steel shall only be painted for a distance of 5 ft. each way from the deck joints. All structural steel shall be cleaned as specified in the Special Provision for "Cleaning and Painting Existing Steel".

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

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".

The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms' integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams and diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.

Protective coat shall be applied only to the new concrete provided for the reconstruction of the joints (top of deck slab, top and traffic face of parapet).

The Engineer shall determine extent, location and type of substructure and deck slab repairs in the field.

All surfaces designated to be cleaned and painted shall be cleaned per near white metal blast cleaning SSPC-SP10. All surfaces designated to be cleaned and painted shall be painted according to the requirements of Paint System 1-OZ/E/U. See Special Provision for Cleaning and painting Existing Steel Structure.

The color of the final coat on exterior faces and bottom flanges of the fascia beams, exterior bearings and deck drains shall be Green, Munsell No. 7.5G 4/8, see Special Provision for Cleaning and Painting Existing Steel Structures.

The color of the final coat of all interior structural steel (beams, diaphragms, bearings, etc.) shall be Grey, Munsell No. 5B 7/1, see Special Provision for Cleaning and Painting Existing Steel Structures".

The SSPC QP-1 and QP-2 Contractor certifications will not be required for this contract. A minimum of 4 air monitors will be required to monitor abrasive blasting operations at this site, see special provision for "Containment and Disposal of Lead Paint Cleaning Residues".

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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 steel surfaces shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

As directed by the Engineer, existing construction accessories welded to the top 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 an individual acceptable to the Engineer. Any cracks that can 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.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach pavement.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06 of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB.	TOTAL
CONCRETE REMOVAL	CU. YD.	40.0		40.0
CONCRETE STRUCTURES	CU. YD.		74.2	74.2
CONCRETE SUPERSTRUCTURE	CU. YD.	405.0		405.0
PROTECTIVE COAT	SQ. YD.	110.0		110.0
REINFORCEMENT BARS, EPOXY COATED	POUND	99860		99860
BAR SPLICERS	EACH	508		508
PERFORMED JOINT STRIP SEAL	FOOT	242.0		242.0
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	18		18
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	18		18
CONCRETE SEALER	SQ. FT.	610.0		610.0
CLEANING BRIDGE SEATS	SQ. FT.	610.0		610.0
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	168.0		168.0
SILICONE JOINT SEALER, 2"	FOOT	275.0		275.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ. FT.	4.0		4.0
ANTI-ICING SURFACE OVERLAY	SQ. YD.	3350.0		3350.0
JACK AND REMOVE EXISTING BEARINGS	EACH	36		36
CLEANING AND PAINTING EXISTING STEEL STRUCTURES	L. SUM	1		1
ANCHOR BOLTS, 1"	EACH	72		72
CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES, NO. 1	L. SUM	1		1
FURNISHING AND ERECTING STRUCTURAL STEEL	LBS	6960		6960

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**STRUCTURAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
BISHOP FORD EXPRESSWAY (I-94)
LITTLE CALUMET RIVER
COOK COUNTY
STATION
STRUCTURE NUMBER 016-0163**

STANDARD DRAWINGS

DESIGNED -	
CHECKED -	
DRAWN -	
CHECKED -	

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SHEET NO. 2 OF 17 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	94	(0405,ETC,42-7&0707)RS-11	COOK	133	88
		BISHOP FORD EXPRESSWAY (I-94) CONTRACT NO. 60D21			
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			