

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.  
Bolts 7/8-in.φ, holes 15/16-in.φ, unless otherwise noted.

Calculated weight of Structural Steel =  
Grade 50 = 323,180 lbs  
Grade 36 = 33,700 lbs

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

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

Reinforcement bars designated (E) shall be epoxy coated.

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(b) 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.

Concrete Sealer shall be applied to the exposed surfaces of backwalls, bridge seats and front face of pile caps at the abutments.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. 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 Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

Slipforming of the parapet is not allowed.

The conduit shown embedded in structure and attached to structure is paid for in the Roadway Plans.

It shall be the Contractor's responsibility to verify the location of all fiber optic utilities prior to starting construction. The Contractor shall initiate the locate process for the fiber optic cable by completing a "Request to Locate Tollway Facilities" form (Tollway Form A-36) and submitting it to the Tollway. Copies of Form A-36 are available from the Tollway's Utility/Permit Section (630-241-6800, ext 3306). Completed A-36 forms shall be faxed to the Tollway to the attention of Tollway Utility Administrator at 630-271-7568, at least four (4) business days prior to starting any underground operations, excavations or digging of any type in general area of the fiber optic cable.

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**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu Yd		8,020	8,020
Concrete Structures	Cu Yd		551.7	551.7
Concrete Superstructure	Cu Yd	1,051.8		1,051.8
Bridge Deck Grooving	Sq Yd	2,511		2,511
Protective Coat	Sq Yd	3,148		3,148
Furnishing and Erecting Structural Steel	L Sum	0.20		0.20
Stud Shear Connectors	Each	9,765		9,765
Reinforcement Bars, Epoxy Coated	Pound	239,520	58,330	297,850
Bar Splicers	Each	396		396
Furnishing Steel Piles HP12x53	Foot		3,774	3,774
Driving Piles	Foot		3,774	3,774
Test Pile Steel HP12x53	Each		2	2
Pile Shoes	Each		104	104
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	385.0		385.0
Elastomeric Bearing Assembly, Type I	Each	31		31
Anchor Bolts, 1"	Each	124		124
Concrete Sealer	Sq Ft		3,260	3,260
Drainage Scuppers, DSII	Each	6		6
Temporary Soil Retention System	Sq Ft		6,820	6,820
Mechanically Stabilized Earth Retaining Wall	Sq Ft		9,555	9,555
Drainage System	L Sum	0.20		0.20

**GENERAL NOTES, INDEX OF SHEETS,  
BILL OF MATERIAL  
STRUCTURE NO. 016-1252**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - DY	REVISIONS		SHEET NO. 2	F.A.I RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 315
	CHECKED - AD,LS	NAME	DATE						
	DRAWN - DY,EI								
	CHECKED - LS,SP,PDF								
	DATE - 03/18/10	△ REVISED	05/24/10						
				62 SHEETS	CONTRACT NO. 60J27				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT									

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