

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
Bolts $\frac{7}{8}$ -in. ϕ , holes $\frac{15}{16}$ -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 | | 3,927 | 3,927 |
| Driving Piles | Foot | | 3,927 | 3,927 |
| 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 |
| | | | | |
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**GENERAL NOTES, INDEX OF SHEETS,
BILL OF MATERIAL
STRUCTURE NO. 016-1252**

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

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