

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	COOK	916	579
STA. _____		TO STA. _____		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62304
 *(1516.1, 1717, & 1818) R-4

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General Notes

- Fasteners shall be high strength bolts. Bolts 3/4" ϕ , open holes 1/8" ϕ unless otherwise noted.
- Calculated weight of Structural Steel :
 M270 Grade 50 = 176,520 lbs
 M270 Grade 36 = 33,000 lbs
 Anchor Bolts = 300 lbs
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting cross frames over supports.
- The structural steel for bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges and webs.
- Reinforcement Bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
- Plan dimensions and details relative to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The concrete for bridge floors finished according to Article 503.17 of the Standard Specifications, shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The finishing machine, when required, shall be set parallel to the skew for striking off and screeding the concrete.
- Bridge Seat Sealer shall be applied to the seat areas of both abutments.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- All construction joints shall be bonded.
- 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.
- 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 finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures"
- The temporary soil retention work shown in sheets S-006 through S-010 is billed under the pay item name TEMPORARY SOIL RETENTION SYSTEM (BRIDGE). This work shall be in accordance with the Special Provision for TEMPORARY SOIL RETENTION SYSTEM in all respects except pay item name. The name TEMPORARY SOIL RETENTION SYSTEM (BRIDGE) distinguishes the installation of SN 016-2852 from dissimilar installations elsewhere in this Contract.

Bill of Material

Item	Unit	Sub	Super	Total
POROUS GRANULAR EMBANKMENT (SPECIAL)	CU YD	1,463		1,463
SUB-BASE GRANULAR MATERIAL, TYPE C 6"	SQ YD	828		828
REMOVAL OF EXISTING STRUCTURES	L SUM			1
STRUCTURE EXCAVATION	CU YD	4,473		4,473
NEOPRENE EXPANSION JOINT 2"	FOOT		242	242
CONCRETE STRUCTURES	CU YD	2,145		2,145
CONCRETE SUPERSTRUCTURE	CU YD		219	219
BRIDGE DECK GROOVING	SQ YD		716	716
PROTECTIVE COAT	SQ YD	851	840	1,691
ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		8	8
ERECTING STRUCTURAL STEEL	L SUM		1	1
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	300		300
STUD SHEAR CONNECTORS	EACH		3,558	3,558
REINFORCEMENT BARS, EPOXY COATED	POUND	189,180	54,420	243,600
NAME PLATES	EACH		1	1
BRIDGE SEAT SEALER	SQ FT	643		643
GEOCOMPOSITE WALL DRAIN	SQ YD	1,163		1,163
PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	596		596
DRAINAGE SCUPPERS, DS-II	EACH		1	1
TEMPORARY SOIL RETENTION SYSTEM (BRIDGE)	SQ FT	13,038		13,038
BAR SPLICERS	EACH	412	447	859
DRAINAGE SYSTEM	L SUM		1	1
PROTECTIVE SHIELD	SQ YD		445	445

* See General Note 15

STATION 238+73.54
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.I. RT 57 SEC. (1516.1, 1717, & 1818) R-4
 LOADING HS20 & ALT.
 STR. NO. 016-2852

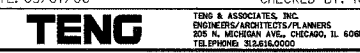
NAME PLATE

See Std. 515001
 For location, see Sht. S-015.

SHT. S-002

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 57 (INTERSTATE 57)
 I-57 NB OVER WB CONNECTOR
 SN 016-0072 OLD, SN 016-2852 NEW
 STA. 238+73.54
 COOK COUNTY, SECTION (1516.1, 1717, & 1818) R-4
 GENERAL NOTES, INDEX OF SHEETS
 AND BILL OF MATERIAL
 DATE: 03/07/06
 DRAWN BY: VV
 CHECKED BY: RDS



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