

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	387
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 2
25 SHEETS

CONTRACT NO. 60E10

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $7/8"$ ϕ , open holes $5/16"$ ϕ , unless otherwise noted.

Calculated weight of M270 Gr. 36 (ASTM A709 Gr. 36) Structural Steel = 118,770 Pounds.

Calculated weight of M270 Gr. 50 (ASTM A709 Gr. 50) Structural Steel = 457,830 Pounds.

Field welding of construction accessories will not be permitted to beams or girders.

Anchor bolts shall be set before bolting diaphragms over supports.

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 wide flange beams.

Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.

All Construction joints shall be bonded.

The back face of closed abutments and their wingwalls shall be waterproofed according to Article 503.18 of the Standard Specifications.

Concrete Sealer shall be applied to the seat area of the abutments and pier.

Reinforcement bars designated (E) shall be epoxy coated.

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 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 reddish brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".

Plan dimensions and details relative to existing structure 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall provide all calculations required for Braced Excavation. See Special Provision for BRACED EXCAVATION.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	GENERAL PLAN AND ELEVATION
2	GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL
3	WALKWAY, BALLAST RETAINER & SHEETING LIMITS
4	SUBSTRUCTURE LAYOUT
5	SUPERSTRUCTURE
6	JOINT DETAILS
7	HANDRAIL DETAILS
8	FRAMING PLAN
9	BEAM DETAILS
10	BEARING DETAILS
11	CONCRETE DECK REMOVAL DETAILS
12- 16	NORTH ABUTMENT
17- 21	SOUTH ABUTMENT
22	PIER
23-25	SOIL BORINGS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		682	682
Structure Excavation	Cu. Yd.		1201.6	1201.6
Concrete Structures	Cu. Yd.		612.8	612.8
Concrete Superstructure	Cu. Yd.	149.3		149.3
Furnishing and Erecting Structural Steel	L. Sum	0.27		0.27
Reinforcement Bars	Pound		16,410	16,410
Reinforcement Bars, Epoxy Coated	Pound	22,170	143,820	165,990
Pipe Handrail, Special	Foot	144		144
Name Plates	Each		1	1
Anchor Bolts, 1 1/4"	Each		128	128
Membrane Waterproofing (Special)	Sq. Ft.	5,093		5,093
Concrete Sealer	Sq. Ft.		563	563
Geocomposite Wall Drain	Sq. Yd.		155.2	155.2
Non-Special Waste Disposal	Cu. Yd.		1080.8	1080.8
Braced Excavation	Cu. Yd.		597.4	597.4
Drilled Shaft in Soil	Cu. Yd.		302.0	302.0
Drilled Shaft in Rock	Cu. Yd.		38.7	38.7
Permanent Steel Sheet Piling	Sq. Ft.		1,002	1,002
Temporary Ballast Retainer System	Foot	39		39
Temporary Removable Walkway System for SNO16-2822 Construction	L. Sum	1		1

4/21/2008 12:50:17 PM

ca:\17049\069\structures\2819_w_rr\dra\02_gen_notes.dgn

DESIGNED	AEU
CHECKED	JPB
DRAWN	AEU
CHECKED	JPB

REVISIONS	
NAME	DATE

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
**GEN. NOTES, INDEX OF SHTS.
& TOTAL BILL OF MATERIAL**
CN GATEWAY LEAD TRACK
BRIDGE 20.6E OVER U.S. RTE. 6 (159TH STREET)
STATION 93+69.01 STRUCTURE NO. 016-2819
SCALE: N.T.S. DATE: 2/21/2008