

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1360	0101BR-2	COOK	90	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
26 SHEETS

Contract #60A65

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $7/8"$ ϕ , open holes $15/16"$ ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 18,138 lbs. (Grade 36),
137,929 lbs. (Grade 50)

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

Anchor bolts shall be set before bolting diaphragms over supports.

The structural steel 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 wide flange beams and all splice plate material except fill plates.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

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 for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $1/8$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. For Type I Elastomeric Bearings, two $1/8"$ adjusting shims shall be provided for each bearing and placed as detailed.

Bridge Seat Sealer shall be applied to the seat area of the abutments.

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

The 4-3/2" diameter ducts on the north side of the structure contain asbestos. The Contractor shall follow the Special Provision for Removal of Asbestos Cement Conduit.

All Construction joints shall be bonded.

If the Contractor elects to use cantilever forming brackets on the exterior beams, 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 anti-rust 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 Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".

Removal of existing bridge rail, fence, and sign structures are included with the cost of Removal of Existing Superstructure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		23.4	23.4
Concrete Superstructure	Cu. Yd.	288.1		288.1
Concrete Structures	Cu. Yd.		65.9	65.9
Reinforcement Bars, Epoxy Coated	Pound	62,240	11,130	73,370
Bridge Deck Grooving	Sq. Yd.	716		716
Protective Coat	Sq. Yd.	1087		1087
Bridge Seat Sealer	Sq. Ft.	320		320
Bridge Joint System (Expansion), 1"	Foot	151		151
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4260		4260
Elastomeric Bearing Assembly, Type I	Each	20		20
Pedestrian Railing	Foot	435		435
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.		797	797
Name Plates	Each		1	1
Overhead Sign Structure - Bridge Mounted	Foot	97.2		97.2
Removal of Asbestos Cement Conduit	Foot	464		464
Bar Splicers	Each	124		124

Sheet No.

Description

1. General Plan and Elevation
2. General Notes and Total Bill of Material
3. Deck Elevations - I
4. Deck Elevations - II
5. Deck Plan
6. Superstructure Cross Section and Details
7. Superstructure Parapet and Details
8. Bridge Joint System - Expansion (Proformod Joint Seal)
9. Bridge Joint System - Expansion (Alternate - Strip Seal)
10. Pedestrian Railing
11. Framing Plan
12. Framing Details and Moment and Reaction Tables
13. Bearing Details
14. Anchor Bolt Details for Bearings
15. Abutment Details - I
16. Abutment Details - II
17. Abutment Details - III
18. Abutment Details - IV
19. Pier Details
20. East and West Abutment Repairs
21. Pier Repairs
22. Bar Splicer Assembly Details
23. Bridge Mount Sign Structures General Plan and Elevation
24. Bridge Mount Sign Structures Walkway and Connection Details
25. Bridge Mount Sign Structures Connection Details
26. Bridge Mount Sign Structures Walkway Details

rjngroup

Excellence through Ownership

200 West Front Street
Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND TOTAL BILL OF MATERIAL
FOSTER AVE. OVER I-94 (EDENS EXPRESSWAY)
FAU RTE 1360 - SECTION 0101BR-2
COOK COUNTY
STATION 100+00
STRUCTURE NO. 016-0246

DATE: 4/30/2006

DRAWN BY LCM
CHECKED BY BLB