


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                       |          |                   |       |       |       |
|-----------------------|----------|-------------------|-------|-------|-------|
| ROUTE NO.             | SECTION  | COUNTY            | SHEET | SHEET | SHEET |
| FAI-55                | **       | WILL              | 50    | 24    |       |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- |       |       |       |

SHEET NO. 2  
15 SHEETS

\*\* SECTION 2005-063 I  
CONTRACT NO. 60A67

**GENERAL NOTES:**

1. Fasteners shall be high strength bolts. Bolts  $7/8"$   $\phi$ , open holes  $5/16"$   $\phi$ , unless otherwise noted.
2. Calculated weight of structural steel **205,840 Pounds.** 
- \* 3. Field welding of construction accessories will not be permitted to beams.
- \* 4. Anchor bolts shall be set before bolting diaphragms over supports.
5. 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.
- \* 6. 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.
7. 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. Two  $1/8$  inch adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two  $1/8$  inch adjusting shims shall be provided for each bearing and placed as detailed.
- \* 8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. The Organic Zinc-Rich/Epoxy/Urethane Paint System shall be used for full shop 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 in the field. The color of the final finish coat for all new interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of final finish coat for the exterior and bottom flange of the new fascia (out) beams shall be reddish brown, Munsell No. 2.5 Yr. 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- \* 10. All Construction joints shall be bonded.
- \* These notes included in Fabrication Contract for information only.

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**TOTAL BILL OF MATERIAL**

| ITEM   | UNIT   | SUPER | SUB | TOTAL |
|--|--------|-------|-----|-------|
| Furnishing Elastomeric Bearing Assembly, Type I  | Each   | 11    |     | 11    |
| Furnishing Elastomeric Bearing Assembly, Type II | Each   | 8     |     | 8     |
| Furnishing Structural Steel                      | L. Sum | 0.45  |     | 0.45  |
| Storage of Structural Steel and Bearings         | Unit   | 160   |     | 160   |

\*\* Refer to Special Provision Furnishing Structural Steel and Bearings for definition of Storage Unit. Quantity for Storage Unit is based on storing 25% of the steel weight for 30 calendar days.

|          |            |
|----------|------------|
| DESIGNED | S.CHELBIAN |
| CHECKED  | J.GRAINAWI |
| DRAWN    | S.CHELBIAN |
| CHECKED  | J.GRAINAWI |

Date: 5/15/2006

 Rev. 7-25-06



GENERAL NOTES &  
BILL OF MATERIAL  
I-55 OVER EJ&E RR  
FAI ROUTE 55-SEC. 2005-063 I  
WILL COUNTY  
STA. 609+29.37  
STRUCTURE NO. 099-0018 (NB)  
STRUCTURE NO. 099-0019 (SB)