

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|-----------------------|----------|-------------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | SHEET NO. | SHEET TOTAL |
| FAU 3578 | 1327 F | COOK | 16 | 2 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | Title Sheet |
| 2 | Index of Sheets, General Notes & Summary of Quantities |
| 3 | General Plan |
| 4 | General Notes, Total Bill of Material |
| 5 | Top of Slab Elevations |
| 6 | Top of Slab Elevations |
| 7 | Top of Slab Elevations |
| 8 | Superstructure Cross Sections |
| 9 | Structural Steel Framing Plan |
| 10 | Structural Steel Details |
| 11 | Girder Details |
| 12 | Bearings |
| 13 | Anchor Bolts |
| 14 | West Abutment |
| 15 | East Abutment |
| 16 | Pier |

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ " diameter, open holes $\frac{15}{16}$ " diameter, unless otherwise noted.

Calculated weight of Structural Steel = AASTHO M270 Gr. 50 250,500 Pounds
AASTHO M270 Gr. 36 18,700 Pounds

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 tension flanges, webs and all splice plate material except fill plates.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " 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 1 Elastomeric Bearings, two $\frac{1}{8}$ " adjusting shim shall be provided for each bearing and placed as detailed.

The Inorganic zinc rich primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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." Only shop painting is included in this contract. Field coats will be supplied under a separate contract.

SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM | UNIT | CONSTRUCTION TYPE CODE | | |
|-------------|---|--------|------------------------|------------------|--------------------|
| | | | URBAN-X271-2A | 100% ORLAND PARK | 80% FED. 20% STATE |
| 50300410 | Furnishing Elastomeric Bearing Assembly, Type I | Each | 14 | | 14 |
| 50300475 | Storage of Elastomeric Bearing Assemblies | C. Day | 30 | | 30 |
| 50500205 | Furnishing Structural Steel | L. Sum | 1 | 0.56 | 0.44 |
| 50500455 | Storage of Structural Steel | C. Day | 30 | | 30 |

| | |
|----------|-----|
| DESIGNED | JJI |
| CHECKED | SRT |
| DRAWN | MD |
| CHECKED | SRT |

 Bellinger, Lach & Associates, Inc.

INDEX OF SHEETS, GENERAL NOTES & SUMMARY OF QUANTITIES

BEAM AND BEARING FABRICATION
IL 7 (SOUTHWEST HIGHWAY) OVER
US 45 (LA GRANGE ROAD)
F.A.U. ROUTE 3578 SECTION 1327F
COOK COUNTY
STA. 1516+85.79
STRUCTURE NUMBER 016-2847