

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8-in. ϕ , holes 15/16-in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 927,470 Pounds (926,590 Pounds Grade 50, 880 Pounds Grade 36)

No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of sinch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of Pier 2. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. 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 of the exterior surface and the bottom of the bottom flange of fascia beams, 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.

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DESIGN STRESSES FIELD UNITS (NEW CONSTRUCTION)

f'c = 3,500 psi fy = 60,000 psi (Reinforcement) fy = 50,000 psi (M270 Grade 50) <u>FIELD UNITS (EXISTING CONSTRUCTION)</u> f'c = 3,500 psify = 40,000 psi (Reinforcement)

LOADING HL - 93 (NEW CONSTRUCTION) Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications

Seismic Performance Zone (SPZ) = 1 Design Spectral Acceleration at 1.0 sec. (S_{DI}) = 0.09g Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.158g Soil Site Class = D

GENERAL PLAN & ELEVATION							
COUNTY LINE RD OVER I-55							
F.A.I. 55 SECTION 22-IHB-R							
COOK/DUPAGE COUNTY							
STA. 64+13.00							
S.N. 016-0587							

() exp 11/2014	<u>S.N. 016-0587</u>						
ND ELEVATION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
), 016–0587	55	22-1HB-R	COOK/DUPAGE	161	89		
. 010-0307			CONTRACT	NO. 6	50K77		
42 SHEETS	ILLINOIS FED. AID PROJECT						