

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327 B	COOK	108	30
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
35 SHEETS

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 = 250,500 Pounds for AASTHO M270 Gr. 50 (Furnished by others)
18,700 Pounds for AASTHO M270 Gr. 36 (Furnished by others)
210 Pounds for ASTM 307 (Included in this contract)
180 Pounds for ASTM A325 (Included in this contract)

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

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. (Furnished by others)

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. (Furnished by others)

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

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 I Elastomeric Bearings, two $\frac{1}{8}$ " adjusting shim shall be provided for each bearing and placed as detailed. (Furnished by others)

The concrete for bridge floors finished according to Article 503.17 of the Standard Specifications, shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The finishing machine, when required, shall be set parallel to the skew for striking off and screeding the concrete.

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

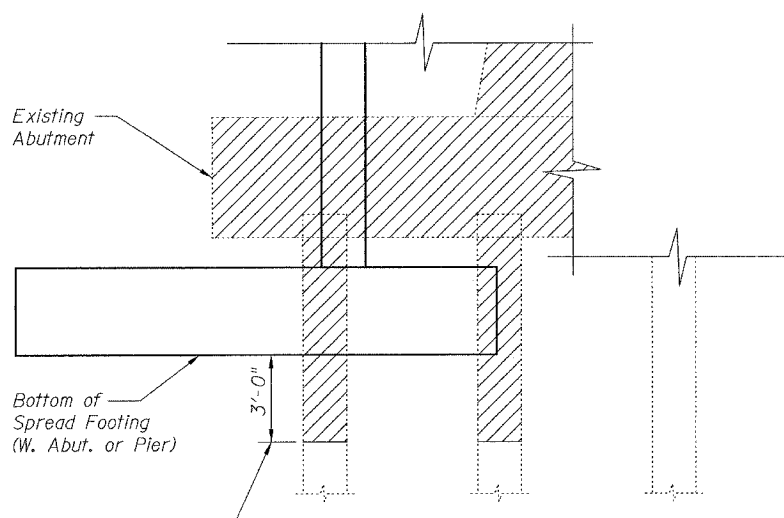
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All construction joints shall be bonded.

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".

Bridge designed for an additional superimposed dead load from a future decorative north facade, applied along the north edge of deck.

The Protective Shield quantity is for the limits of the existing superstructure. $\text{C} \text{ Brg. to } \text{C} \text{ Brg.} = 79'-6"$.
Out to Out deck = 50'-0".



Existing piles that are below new spread footings shall be removed. Remove to 3'-0" below new footing. Voids and excavation required for removal, below the footing, shall be backfilled with Porous Granular Embankment, gradation CA-6.

EXISTING PILE REMOVAL

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STATION 1516+85.79
BUILT BY
STATE OF ILLINOIS
FAU RT. 3578 SEC. 1327B
LOADING HS20
STR. NO. 016-2847

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL *

ITEM	UNIT	SUPER	SUB	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	-	1802	1802
Porous Granular Embankment	Cu. Yd.	-	151	151
Porous Granular Embankment (Special)	Cu. Yd.	-	2713	2713
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	4232	4232
Concrete Structures	Cu. Yd.	-	1349.9	1349.9
Concrete Superstructure	Cu. Yd.	301.6	13.6	315.2
Bridge Deck Grooving	Sq. Yd.	628	-	628
Erecting Elastomeric Bearing Assembly, Type I	Each	-	-	14
Neoprene Expansion Joint, 2"	Foot	-	-	120
Protective Coat	Sq. Yd.	1008	-	1008
Erecting Structural Steel	L. Sum	-	-	1
Furnishing & Erecting Structural Steel	Pound	-	-	390
Stud Shear Connectors	Each	2800	-	2800
Reinforcement Bars, Epoxy Coated	Pound	59,800	163,160	222,960
Aluminum Railing, Type L	Foot	202	89	291
Temporary Sheet Piling	Sq. Ft.	-	-	2298
Name Plates	Each	-	-	1
Bar Splicers	Each	-	120	120
Bridge Seat Sealer	Sq. Ft.	-	348	348
Geocomposite Wall Drain	Sq. Yd.	-	744	744
Drainage Scupper, DS-12	Each	5	-	5
Temporary Soil Retention System	Sq. Ft.	-	-	1033
Drainage System	L. Sum	-	-	1
Protective Shield	Sq. Yd.	-	-	442
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	-	190
Pipe Underdrains for Structures 4"	Foot	-	321	321
Pipe Drains 4"	Foot	-	12	12

* Does not include Approach Pavement Details, See Sht. 35 of 35
** Field painting is included with item
*** Quantity is for Anchor Bolts

DESIGNED	SRT
CHECKED	JJI
DRAWN	GM
CHECKED	JJI

B Bollinger, Lach & Associates, Inc.

INDEX OF SHEETS, GENERAL NOTES AND TOTAL BILL OF MATERIAL

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