

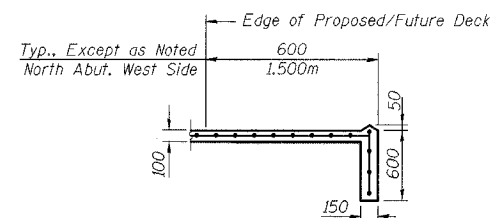
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 29 SHEETS
F. A. I. 80/94	*	COOK	90	4	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62898		

GENERAL NOTES

THESE PLANS ARE FOR THE FABRICATION OF THE STRUCTURAL STEEL AND BEARINGS. ALL WORK SHOWN THAT IS NOT RELATED TO THE FABRICATION IS FOR INFORMATION ONLY, IT IS NOT INCLUDED IN THIS CONTRACT, AND IS IDENTIFIED AS "NOT IN CONTRACT".

- All dimensions are in millimeters (mm) except as noted.
 - Fasteners shall be high strength bolts. Bolts M 22, open holes 24 mm ϕ , unless otherwise noted.
 - Calculated mass of structural steel = 201,010 kg for M 270M Grade 345 and 910 kg for M 270M Grade 250.
 - 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 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."
 - Field welding of construction accessories will not be permitted to the beams or girders.
 - Anchor bolts shall be set before bolting cross frames over supports.
 - 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 and webs, the cross frames and connection plates, and all splice plate material except fill plates.
 - Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
 - Slope walls shall be reinforced with welded wire fabric, 152 x 152 - MW25.8 x MW25.8 with a mass of 2.91 kg/m²
 - The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
 - The Contractor shall drive one steel HP310x79 test pile in a permanent location at the North and South Abutments and at the Pier as directed by the Engineer before ordering the remainder of piles.
 - Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the top bearing plate, shall be provided for each bearing and placed as detailed.
 - Bridge Seat Sealer shall be applied to the seat area of the South and North Abutments, including future widening.
 - When the deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the deck Pouring Sequence as shown, the next pour shall not be made until both of the following requirements are met:
 - At least 72 hours shall have elapsed from the end of the previous pour.
 - The concrete strength shall have attained a minimum flexural strength of 4.5 MPa or a minimum compressive strength of 24 MPa.
 - All construction joints shall be bonded.
 - Protective shield quantity calculated is based upon I-80 construction being completed before the start of SB IL394 construction. Protective shield quantity to be verified in the field.
 - The construction of Ramp G Bridge (SN 016-2804) might be completed before the construction of SB IL394 Bridge (SN 016-2796). Due to the limited headroom some of the piles at North Abutment might require special pile driving equipment and multiple splices in the piles. The Splices must be full moment carrying splices with a min. splice length of 3 meters and their cost will be included in the unit price bid for "Driving Steel Piles". The requirements and details of the splices shall be in accordance with the Standard Specifications Art. 512.05(b) and Construction Memorandum No. 00-44, Effective May 5, 2000. Please note that this note overrides the requirements in the Standard Specifications regarding the minimum splice length of 8 meters and a maximum of one preplanned splice per pile.
 - The existing structural steel coating may contain lead based paint. The Contractor should take appropriate precautions to deal with the presence of lead on this project. No additional compensation will be made to properly dispose of items containing lead.
- **** THIS WORK IS NOT INCLUDED IN THIS FABRICATION CONTRACT AND IS PROVIDED FOR INFORMATION ONLY.



SECTION A-A
(For Location of Section A-A See Sheet No.1 of 29)
"NOT IN CONTRACT"

INDEX OF DRAWINGS

Sht. No.	Sht. Title
1	General Plan & Elevation
2	General Notes, Quantities & Details
*** 3	Sloped Wall Details (SN 016-2795)
4	Footing Layout, Offset Sketch, & Braced Excavation
5	Top of Slab Elevation Grid & Details
6-8	Top of Slab Elevations
*** 9	Deck Plan
10	Deck & Parapet Sections
*** 11	Parapet Elevation
*** 12	Deck Details
*** 13	Bridge Joint System
*** 14	Drainage Scupper DS-11
15	Framing Plan
16	Girder Elevation & Details
17	Structural Steel Details
18	Bearing Details
19	Anchor Bolt Details
*** 20	South Abutment Plan & Elevation
*** 21	South Abutment Details
*** 22	North Abutment Plan & Elevation
*** 23	North Abutment Details
*** 24	Abutment Details
*** 25	Pier Plan & Elevation
*** 26	Pier Section & Details
*** 27	Bar Splicer Assembly Details
*** 28-29	Soil Boring Logs

*** THIS WORK IS NOT INCLUDED IN THIS FABRICATION CONTRACT AND SHEET IS NOT INCLUDED IN THESE PLANS

TOTAL BILL OF MATERIAL

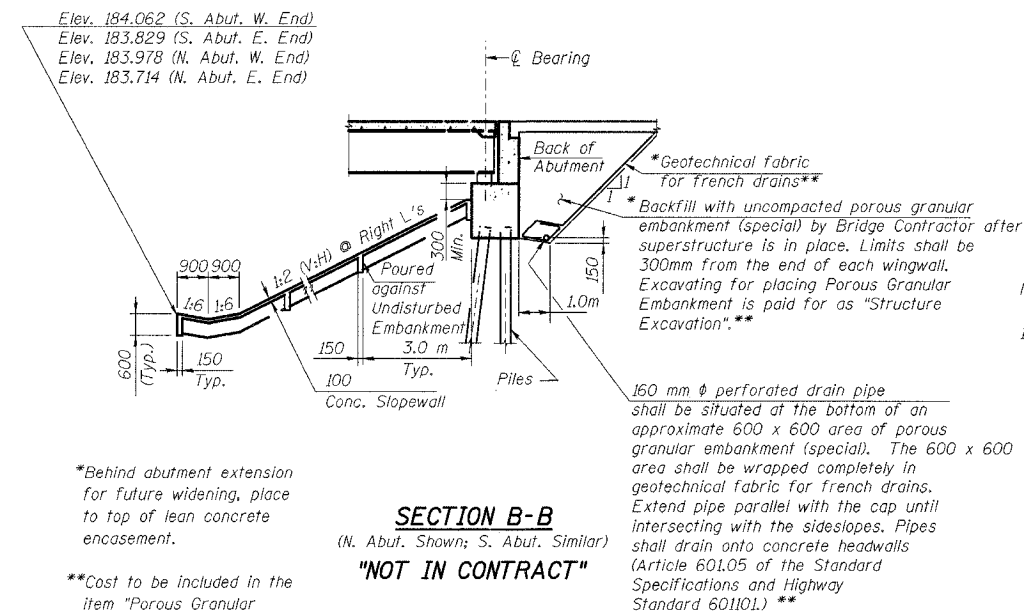
ITEM	UNIT	SUPER	SUB	TOTAL
Furnishing Structural Steel	L Sum	0.09	---	0.09
Storage of Structural Steel (a)	Unit	303	---	303
Furnishing Elastomeric Bearing Assembly, Type I	Each	---	12	12
Storage of Elastomeric Bearing Assemblies (b)	Cal Da	---	15	15

(a) For Storage of Structural Steel, one Unit shall be equal to 5 metric tons. The quantity was calculated based on the assumption that 25% of the steel mass is stored for 30 calendar days.

(b) 15 Calendar Days was estimated for Storage of Elastomeric Bearing Assemblies to establish unit bid price.

Bill of Material Notes:

- For Splices of Steel Piles, see General Notes.
- For Protective Shield, see General Notes.



*Behind abutment extension for future widening, place to top of lean concrete encasement.

**Cost to be included in the item "Porous Granular Embankment (Special)".

SECTION B-B
(N. Abut. Shown; S. Abut. Similar)
"NOT IN CONTRACT"

Horizontal Dimensions Shown at Right Angles
(For Location of Section B-B, see Sheet No. 1 of 29)

Notes:

- All dimensions are in millimeters (mm) except as noted.

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DESIGNED	MEA
CHECKED	MAS
DRAWN	LK
CHECKED	MAS/MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
GENERAL NOTES, QUANTITIES & DETAILS
SB ILLINOIS ROUTE 394 OVER INTERSTATE 80
F.A.P. 332 SECTION 2004-133F
COOK COUNTY
STA. 440+193.335 STRUCTURE NO. 016-2796
DATE 05/16/05
SCALE ---

HNTB