

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2005-008F	COOK	93	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62919				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN SF7Y-2A		
			TOTAL QUANTITY	BEARINGS	FINGER PLATES
50300410	FURNISHING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	127	127	
50300420	FURNISHING ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	16	16	
50500205	FURNISHING STRUCTURAL STEEL	L. SUM	1	0.23	0.77
X0320622	FIELD MEASUREMENTS	L. SUM	1	0.3	0.7
X0322770	STORAGE OF STRUCTURAL STEEL AND BEARINGS	CAL. DAY	30	30	
X0324099	FURNISHING FLOATING BEARINGS, GUIDED EXPANSION, 400K	EACH	3	3	
X0324153	FURNISHING FLOATING BEARINGS, GUIDED EXPANSION, 550K	EACH	7	7	
X0325064	FURNISHING FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	487		487
X0325065	STORAGE OF FINGER PLATE JOINTS	CAL. DAY	30		30
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L. SUM	1	1	

GENERAL NOTES

- Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ in open holes $\frac{13}{16}$ " ϕ , unless noted otherwise.
- All structural steel shall be AASHTO M270 Grade 50 unless noted otherwise.
Calculated weight = 61,730 lbs.

SN 016-0137 =	21,830 lbs.
SN 016-1110 =	9,970 lbs.
SN 016-1111 =	16,410 lbs.
SN 016-1116 =	13,520 lbs.

- The weights listed in Note 2 are for bearings and steel extensions only. See Finger Plate Joint Plans for weight of structural steel required for finger plate expansion joints.
- The structural steel bearing plates of the Elastomeric Bearing Assemblies shall conform to the requirements of AASHTO M270 Grade 50.
- The organic zinc rich primer/epoxy/urethane paint system shall be used for painting of all 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 final finish coat for steel under the fascia beams shall be Reddish Brown, Munsell No. 2.5 YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- Floating bearings shall be fully shop painted.
- For Type I Elastomeric Bearings, two $\frac{1}{8}$ " adjusting shims shall be provided for each bearing and placed as detailed in addition to all other plates or shims, if specified.
- 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.
- As built plan information is provided for information only. Key dimensions have been clarified. Inclusion of these sheets does not relieve the contractor of any responsibility for verifying such dimensions as indicated by Note 7. These plans are available from the Department
- For additional general notes see the Finger Plate Joint Plans.

MAJOR WORK ITEMS:

- Paid for Under the Item "Furnishing Structural Steel" — 1. Fabricated Steel Extensions
2. Steel Side Retainers
3. Finger Plate Expansion Joints
- Paid for Under the Item "Furnishing Elastomeric Bearing Assemblies" and "Furnishing Floating Bearings" — 4. Shim Plates
5. Steel Bearing Plates

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS-20 AND ALT. MILITARY

Allow 25 psf for future wearing surface

SEISMIC CRITERIA

Seismic Performance Criteria (SPC)=A
Bedrock Acceleration Coefficient (S)=0.04g
Site Coefficient (S)=1.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
FABRICATION CONTRACT
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
GENERAL NOTES AND SUMMARY OF QUANTITIES
SCALE: NTS
DATE: 5/23/2005
DRAWN BY: LM
CHECKED BY: BLU

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
138 EAST RANDOLPH STREET SUITE 2450 CHICAGO, ILLINOIS 60601
JOB NO. 466

3:20:36 PM
5/23/2005