



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 94-25223-2H	COOK	56	28	
FED. ROAD DIST. NO. (ILLINOIS)		PROJECT 1-94-25223-2H		

**STRUCTURAL STEEL NOTES**

ALL FURNISHING, FABRICATING, TRANSPORTING, ERECTING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTIONS 54 AND 58 OF THE STANDARD SPECIFICATIONS.

EXCEPT WHERE OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL CONFORM TO SPECIFICATIONS FOR STEEL FOR BRIDGES AND BUILDINGS ASTM DESIGNATION A-7 AND ASTM DESIGNATION A-36 AND WHERE APPLICABLE, TO THE REQUIREMENTS OF ARTICLE 124.2, AND 124.3 (a) OF THE STANDARD SPECIFICATIONS.

**BEARING AND SPlice NOTES:-**

ALL GIRDER FIELD SPICES SHALL BE SUB-PUNCHED, REAMED AND MATCHMARKED FOR SHIPMENT WHILE THE MEMBERS ARE SHOP ASSEMBLED IN PROPER ALIGNMENT WITH OR WITHOUT DIAPHRAGMS. ALL GIRDER FIELD SPICES SHALL BE SUB-PUNCHED 17/16" Ø, REAMED TO 13/16" Ø FOR 3/4" Ø BOLTS AND REAMED TO 15/16" Ø FOR 7/8" Ø BOLTS.

ALL GIRDERS SHALL BE ERECTED FULL LENGTH IN THE SHOP BEFORE REAMING AND INSPECTION.

STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT. PARTS UNACCESSIBLE AFTER ERECTION SHALL HAVE TWO SHOP COATS OF RED LEAD PAINT. FOR ADDITIONAL SHOP AND FIELD PAINT CONTS, SEE THE SPECIAL PROVISIONS.

ALL ROLLERS, ROCKERS, BOLSTERS, BEARING PLATES, LEAD PLATES, FINISHES, ANCHOR BOLTS AND SPICES SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLES 54.5 OF THE STANDARD SPECIFICATIONS AND SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 24.5 (a). THESE ITEMS ARE INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

SPICE PLATES TO BE MATCH-MARKED FOR SHIPMENT.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER PIERS AND ABUTMENTS.

FINISHED SURFACES OF BEARINGS AND ROLLERS SHALL BE TREATED WITH ZINCO-PRIMER COMPOUND BEFORE SHIPMENT AS STATED IN ARTICLE 24.4 OF THE STANDARD SPECIFICATIONS.

ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" Ø OR 7/8" Ø HIGH STRENGTH BOLTS AS INDICATED.

ALL RIVETS, UNLESS OTHERWISE SHOWN OR NOTED, SHALL BE 3/4" Ø, OPEN HOLES 13/16" Ø.

**KEY PLAN**

**SUMMARY OF STRUCTURAL STEEL UNIT**

ITEM	UNIT	QUANTITY	QUANTITY
		ASTM A7	ASTM A36
GIRDERS	POUND		2,654,881
CROSS FRAMES	POUND	166,854	
LATERAL BRACINGS	POUND	108,325	
GIRDER BEARINGS	POUND	87,800	
EXPANSION GUARDS	POUND	81,032	
TOTAL	POUND	589,011	2,654,881

INCLUDED IN SUMMARY ON SHEET 21

CITY OF CHICAGO  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING  
SOUTH ROUTE SUPERHIGHWAY  
ELEVATED HIGHWAY  
W. 16TH ST. TO W. 15TH ST.  
8" JUN 8-25223-2H

**STEEL FRAMING PLAN**  
UNIT 2

DE LEUW, CATHNER & COMPANY  
CONSULTING ENGINEERS CHICAGO  
SCALE: AS NOTED DATE: AUGUST, 1961  
SHEET 5 II OF 56 SHEETS

**NOTES:**  
FOR GIRDER DETAILS, SEE SHEETS 5-12 THRU 5-16  
FOR SECTIONS A-A, B-B, & E-E, SEE SHEET 5-15  
FOR SECTIONS C-C, D-D, & H-H, SEE SHEET 5-16

Designed By: N.S.W.  
Drawn By: W.C.K.  
Checked By: R.S.  
In Charge: N.S.WILF  
Approved By: L.N. RIAN

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

FOR INFORMATION ONLY

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
SB DAN RYAN ELEVATED BRIDGE  
REPAIR FROM 15TH TO 28TH STREETS  
EXISTING PLAN INFORMATION  
SN 016-1110

SCALE: NTS  
DATE: 5/25/2006

DRAWN BY: MTR  
CHECKED BY: BLU

4-49-94 174  
2/23/2006  
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