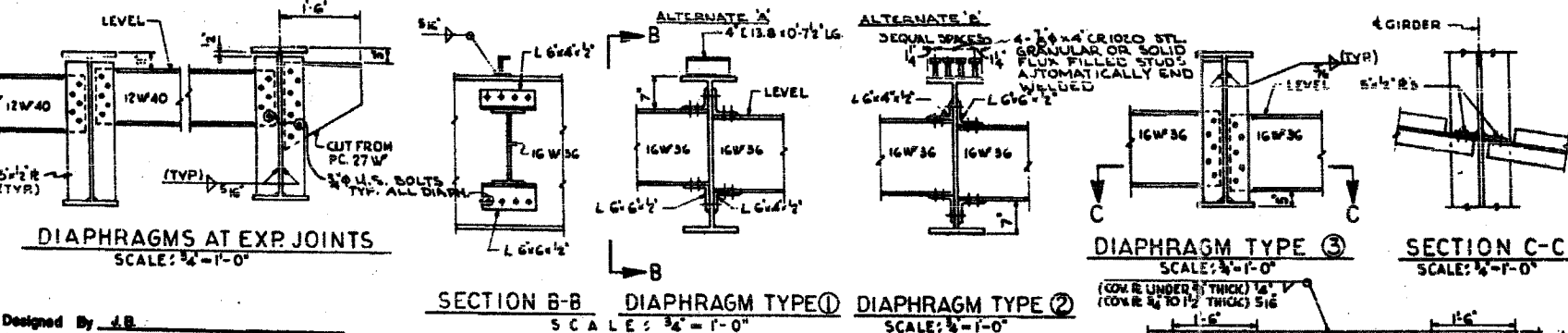
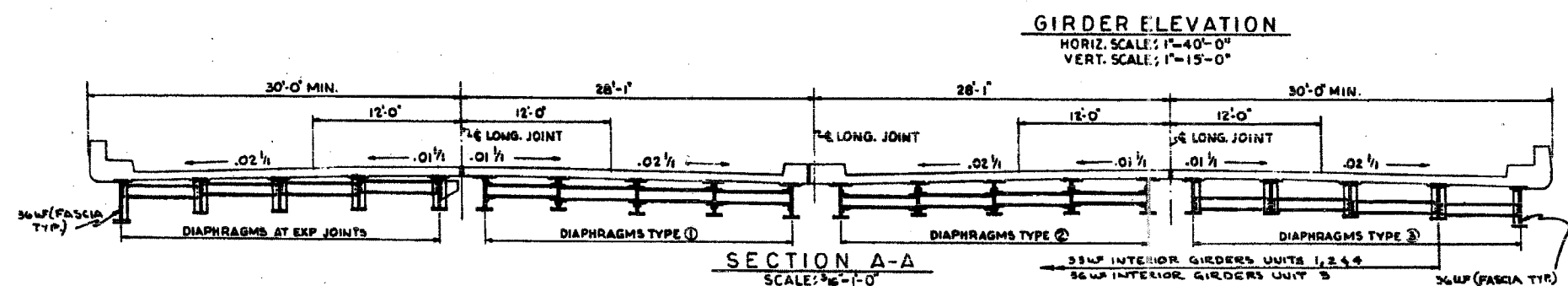
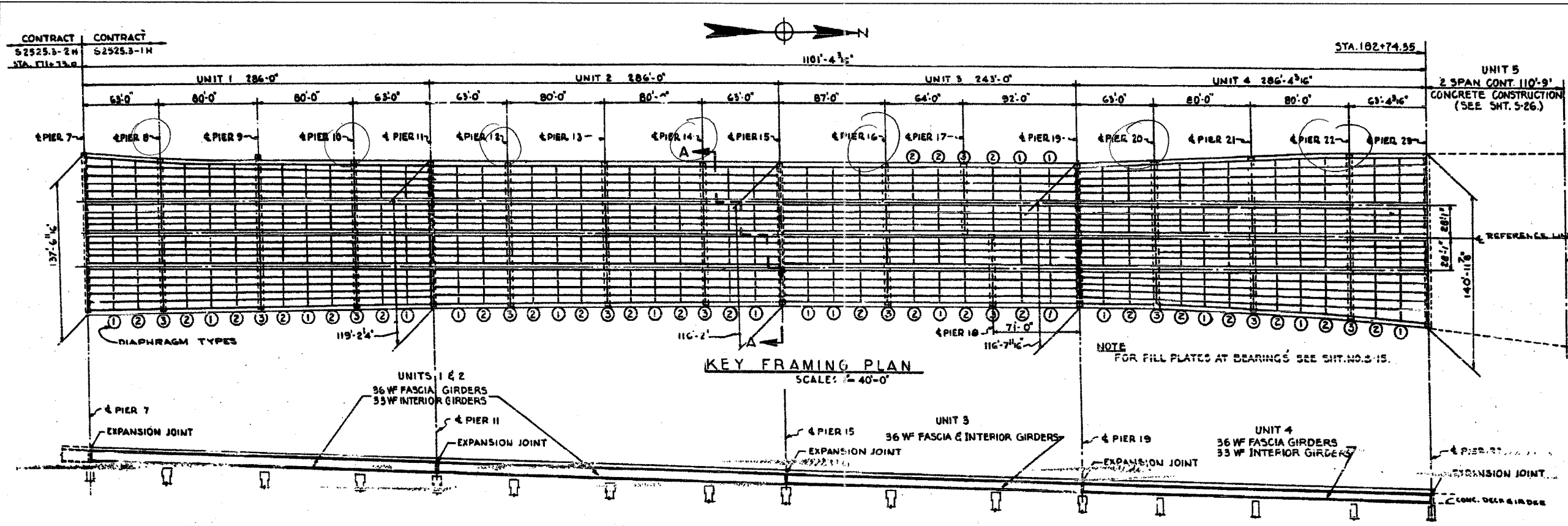


F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-028F	COOK	419	315
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STRUCTURAL STEEL NOTES

ALL FURNISHING, FABRICATING, TRANSPORTING, ERECTING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 04 AND 06 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-363 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 SPLICES SHALL BE END-PINCHED, BEAMED AND MATCH-MARKED FOR SHIPMENT WHILE THE MEMBERS ARE SHOP ARRANGED IN PROPER ALIGNMENT, WITH OR WITHOUT DIAPHRAGMS. ALL GIRDER FIELD SPLICES SHALL BE END-PINCHED 1 1/16" Ø, BEAMED TO 1 1/16" Ø FOR 3/4" Ø BOLTS AND BEAMED TO 1 1/8" Ø FOR 7/8" Ø BOLTS.

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

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

ALL ROLLERS, ROCKERS, BOLSTERS, BEARING PLATES, LEAD PLATES, PINTLES, ANCHOR BOLTS AND SPLICES SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLES 04.5 OF THE STANDARD SPECIFICATIONS AND SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 04.3 (a). THESE ITEMS ARE INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

SPLICE 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 ANTI-RUST COMPOUND BEFORE SHIPMENT AS STATED IN ARTICLE 04.3 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 1 1/16" Ø.

SUMMARY OF STRUCTURAL STEEL UNITS 1, 2, 3, 4 & 5

ITEM	UNIT	QUANTITY	WEIGHT AT ESTIMATE
GIRDERS	POUND	3,724,446	82160
FILL PLATES & SPLICE PLATES	POUND	126,395	
DIAPHRAGMS	POUND	284,229	
GIRDER BEARINGS	POUND	190,915	
EXPANSION GUARD	POUND	135,250	
TOTAL	POUND	4,461,235	82160

INCLUDED IN SUMMARY ON SMT. 32

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTH ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
W. 15 TH ST TO W. MAXWELL ST
SECTION 2-258.3-1H

STEEL FRAMING PLAN
DE LEUW, CATHERS & COMPANY
CONSULTING ENGINEERS
CHICAGO
DATE: JUNE 1991
SCALE: AS NOTED
SHEET 312 OF 341 SHEETS

Sheet 312 of 341

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
EXISTING PLAN INFORMATION
SN 016-0137

SCALE: NTS
DATE: 7/22/2005
DRAWN BY: BDC
CHECKED BY: BLU

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

FOR INFORMATION ONLY

7/19/2005