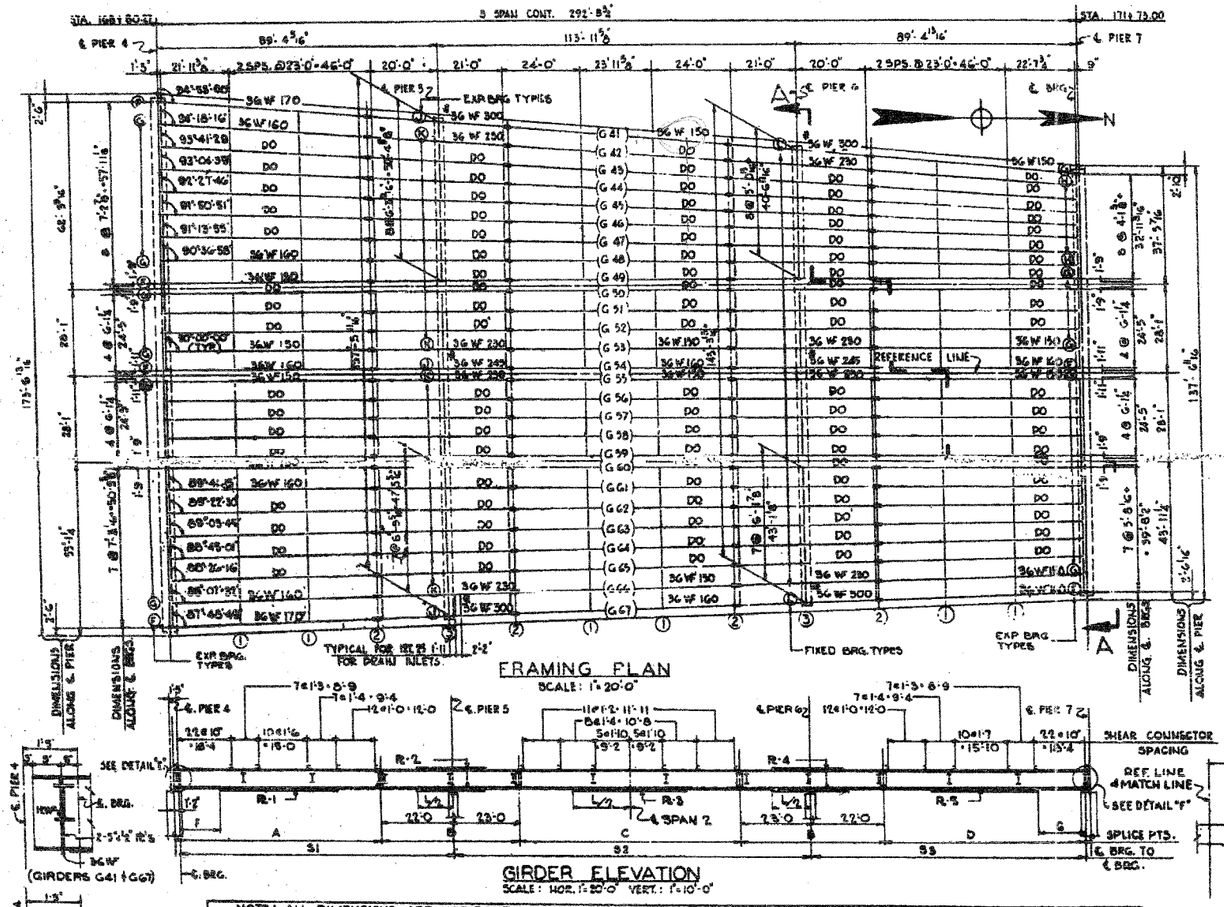
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-028F	COOK	419	324
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62580

n:\660\cad\dgn\dten\Sheets\660_13_EP116.dgn



FRAMING PLAN
SCALE: 1"=20'-0"

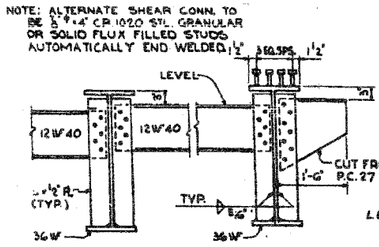
GIRDER ELEVATION
SCALE: HOR. 1"=20'-0" VERT. 1"=10'-0"

DETAIL "E"

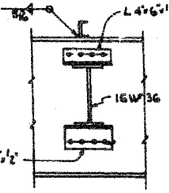
DETAIL "F"

NOTE: ALL DIMENSIONS ARE HORIZONTAL AND ALONG THE CENTERLINE OF BEAM.														
GIRDER	A	B	C	D	S1	S2	S3	F	G	R-1	2 PLATES R-2	R-3	2 PLATES R-4	R-5
41	67'-4½	45'-2	68'-2	67'-4½	88'-2⅜	114'-4⅛	88'-11⅞	11'-0	12'-0	11'-1'-44'-0	15'-1'-25'-0	10'-⅝"-42'-0	15'-⅛"-24'-0	10'-⅝"-42'-6
42	66'-7⅞	45'-1½	68'-1⅜	67'-4⅛	88'-2⅝	114'-3½	88'-10⅜	12'-6	14'-6	10'-1'-47'-6	15'-1'-23'-0	10'-⅝"-46'-6	15'-⅛"-23'-0	10'-⅝"-41'-6
43	66'-6⅜	45'-1⅛	68'-1	67'-3⅞	88'-1⅞	114'-2⅞	88'-10	DO	DO	DO	DO	DO	DO	DO
44	66'-6⅛	45'-0⅞	68'-0⅞	67'-2⅞	88'-0⅞	114'-1⅝	88'-9⅝	DO	DO	DO	DO	DO	DO	DO
45	66'-5⅞	45'-0¼	68'-0⅛	67'-2⅛	88'-0⅛	114'-0⅜	88'-8⅝	DO	DO	DO	DO	DO	DO	DO
46	66'-5⅝	45'-0⅛	68'-0⅛	67'-2⅛	87'-11⅞	114'-0⅛	88'-8⅜	DO	DO	DO	DO	DO	DO	DO
47	66'-5½	45'-0⅛	67'-11⅞	67'-2	87'-11⅝	113'-11⅞	88'-8⅛	DO	DO	DO	DO	DO	DO	DO
48	66'-5⅜	45'-0	67'-11⅞	67'-1⅞	87'-11⅜	113'-11⅝	88'-7⅞	12'-6	14'-6	10'-1'-47'-6	15'-1'-23'-0	10'-⅝"-46'-0	15'-⅛"-23'-0	10'-⅝"-46'-6
49	66'-5⅛	45'-0	67'-11⅝	67'-1⅝	87'-11⅛	113'-11⅜	88'-7⅝	13'-0⅝	13'-4⅞	10'-1'-47'-6	15'-1'-23'-0	10'-⅝"-46'-0	15'-⅛"-23'-0	10'-⅝"-46'-6
50	DO	DO	DO	DO	DO	DO	DO	DO	DO	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
51 525 566 758	DO	DO	DO	DO	DO	DO	DO	DO	DO	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
54	DO	DO	DO	DO	DO	DO	DO	DO	DO	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
55	DO	DO	DO	DO	DO	DO	DO	DO	DO	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
59	DO	DO	DO	DO	DO	DO	DO	DO	DO	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
60	66'-5⅝	45'-0	67'-11⅝	67'-1⅝	87'-11⅜	113'-11⅝	88'-7⅛	12'-0⅝	13'-4⅞	10'-⅝"-42'-6	15'-1'-21'-0	10'-⅝"-45'-0	15'-⅛"-21'-0	10'-⅝"-42'-6
61	66'-5⅝	45'-0	67'-11⅝	67'-1⅝	87'-11⅜	113'-11⅛	88'-7⅛	12'-6	14'-6	10'-1'-47'-6	15'-1'-23'-0	10'-⅝"-46'-6	15'-⅛"-23'-0	10'-⅝"-41'-6
62	66'-6⅜	46'-0	67'-11⅛	67'-1⅛	87'-11⅛	113'-11⅛	88'-7⅛	DO	DO	DO	DO	DO	DO	DO
63	66'-5⅞	45'-0⅛	67'-11⅛	67'-1⅛	87'-11⅛	113'-11⅛	88'-7⅛	DO	DO	DO	DO	DO	DO	DO
64	66'-5⅝	45'-0⅛	67'-11⅛	67'-2	87'-11⅛	113'-11⅛	88'-8⅛	DO	DO	DO	DO	DO	DO	DO
65	66'-5⅜	45'-0⅛	67'-11⅛	67'-2⅛	87'-11⅛	114'-0⅛	88'-8⅝	DO	DO	DO	DO	DO	DO	DO
66	66'-5⅝	45'-0⅛	68'-0⅛	67'-2⅛	87'-11⅝	114'-0⅝	88'-8⅝	12'-6	14'-6	10'-1'-47'-6	15'-1'-23'-0	10'-⅝"-46'-6	15'-⅛"-23'-0	10'-⅝"-41'-6
67	67'-1⅛	45'-0	68'-0⅛	67'-2⅝	88'-0⅛	114'-0⅝	88'-8⅝	11'-0	12'-0	11'-1'-44'-0	15'-1'-25'-0	10'-1'-44'-0	15'-1'-21'-0	10'-1'-42'-6

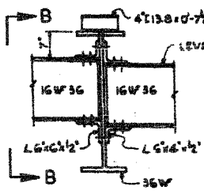
Designed By PNV
Drawn By H.M.
Checked By R.F.P.
In Charge N.S. WULF
Approved By L.N.RIAN



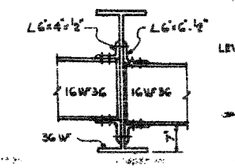
DIAPHRAGMS AT EXP. JOINTS
SCALE: ½"=1'-0"



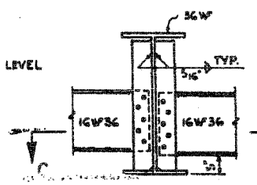
SECTION B-B
SCALE: ½"=1'-0"



DIAPHRAGM TYPE ①
SCALE: ½"=1'-0"



DIAPHRAGM TYPE ②
SCALE: ½"=1'-0"



DIAPHRAGM TYPE ③
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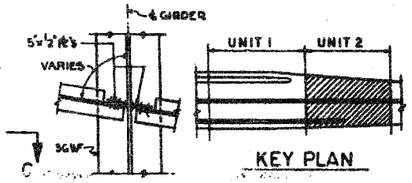
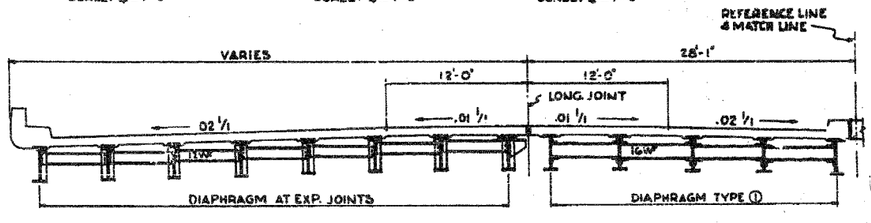
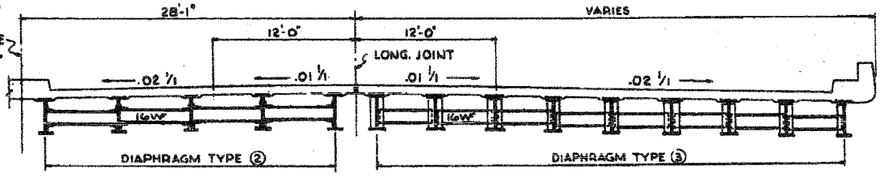
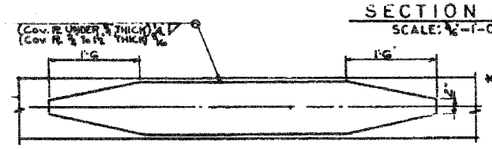


SECTION C-C
SCALE: ½"=1'-0"

KEY PLAN







SECTION A-A
SCALE: ½"=1'-0"

COVER PLATE DETAIL

NOTE:
ALL COVER PLATES OVER 1" THICK & ALL W. BEAMS WITH COVER PLATES OVER 1" THICK ARE TO BE TYPE-A 572 STRUCTURAL STEEL, ALL OTHERS A-7.

GENERAL NOTES

SEE SHEET S-25 FOR BEARING DETAILS & SPLICE DETAILS, DEAD LOAD DEFLECTIONS AND CAMBER DIAGRAM; SEE SHEET S-24, USE ¾Ø HIGH STRENGTH BOLTS FOR ALL DIAPHRAGM CONNECTIONS.

SUMMARY OF STRUCTURAL STEEL UNIT 2			
ITEM	UNIT	QUANTITY ASTM A7	QUANTITY ASTM A 572
GIRDERS	POUND	1,539,552	96,513
FILL PLATES & SPLICE PLATES	POUND	100,705	
DIAPHRAGMS	POUND	94,141	
GIRDER BEARINGS	POUND	60,782	
		1,815,280	96,513

*INCLUDED ON SUMMARY OF UNITS 1 & 2 ON SHT. 31
DECK EXPANSION DEVICE, COMPLETE, IS FURNISHED IN CONTRACT 92525-3-1H
COST OF INSTALLATION IN CONTRACT 92525-2H IS INCIDENTAL TO STRUCTURAL STEEL

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTH ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
W. 16 TH ST. TO W. 15 TH ST.
SECTION 8-2828.3-2H

STEEL FRAMING PLAN
UNIT 2

DE LEUW, CATHER & COMPANY
CONSULTING ENGINEERS CHICAGO
SCALE: AS NOTED DATE: AUGUST, 1961
SHEET S 22 OF 56 SHEETS

Sheet S22 of 56

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 016-1110

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

7/19/2005 11:47:07 AM

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

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