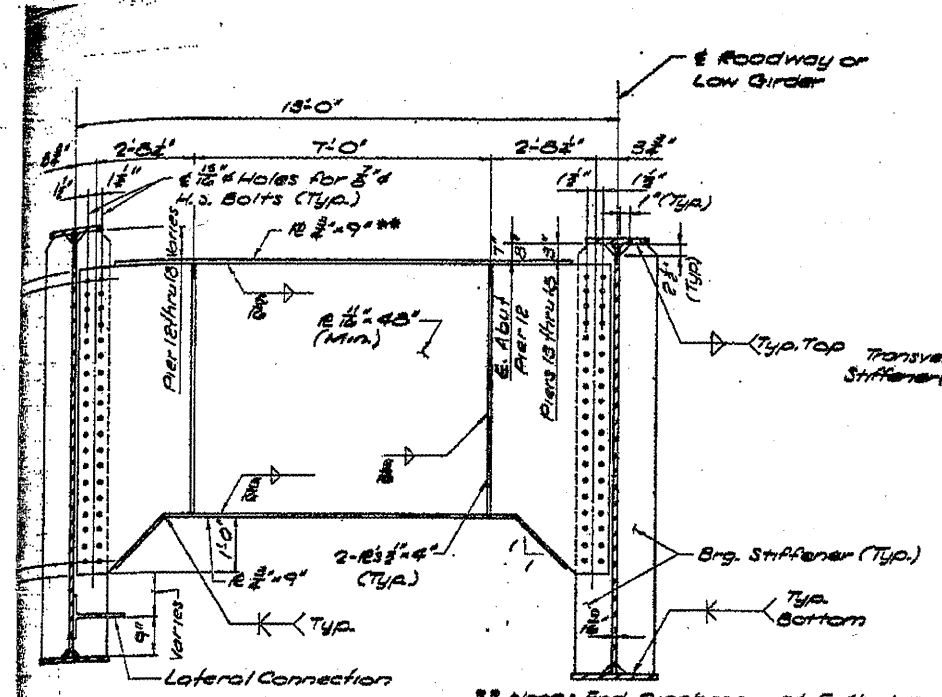
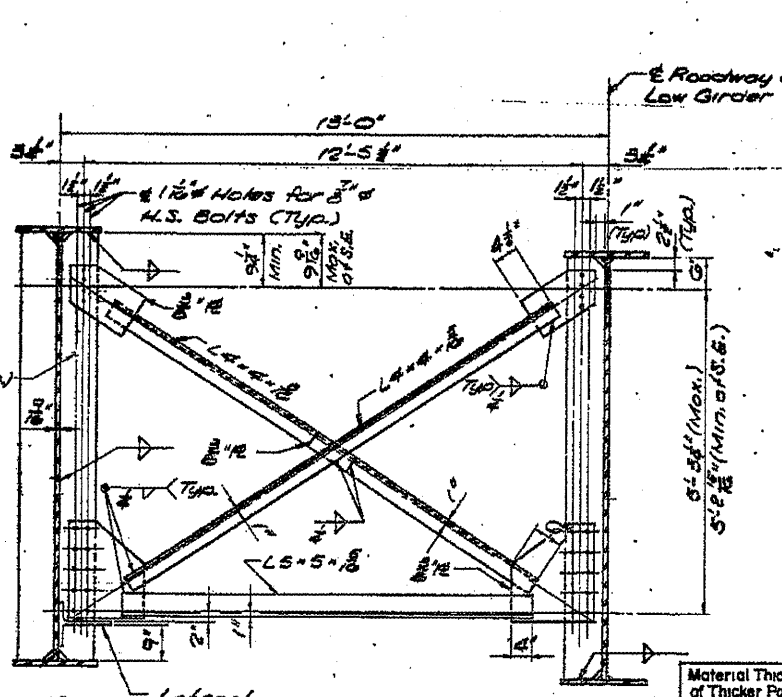


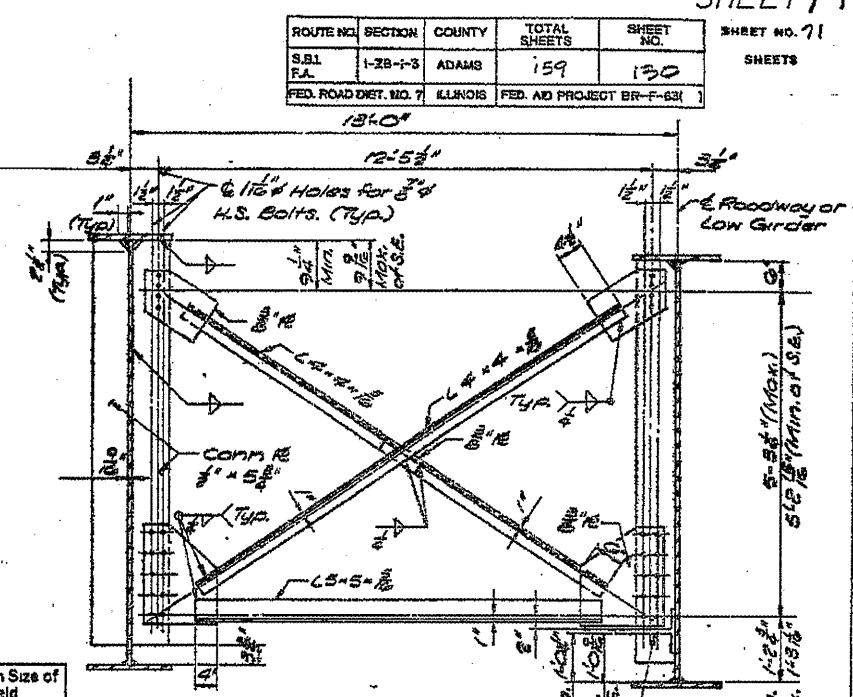
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 71
S.B.I.	1-28-1-3	ADAMS	159	130	
F.A.		ILLINOIS	FED. AID PROJECT BR-F-63		



TYPICAL PIER AND END DIAPHRAGM D1



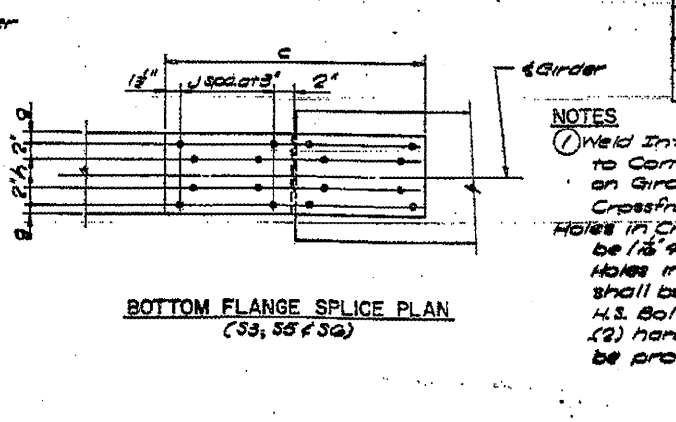
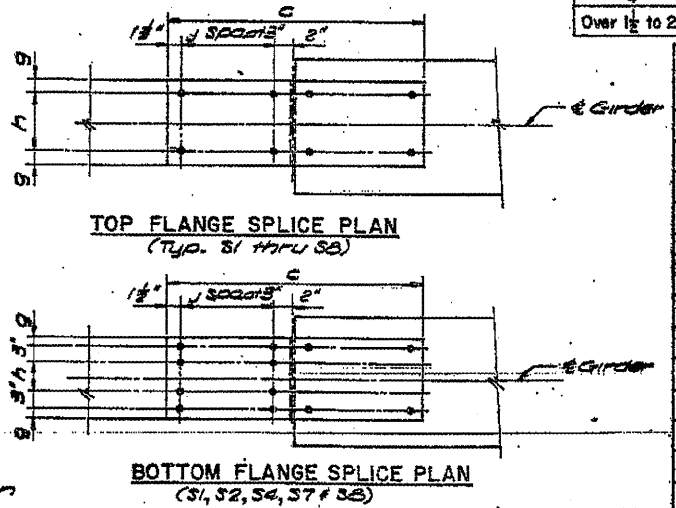
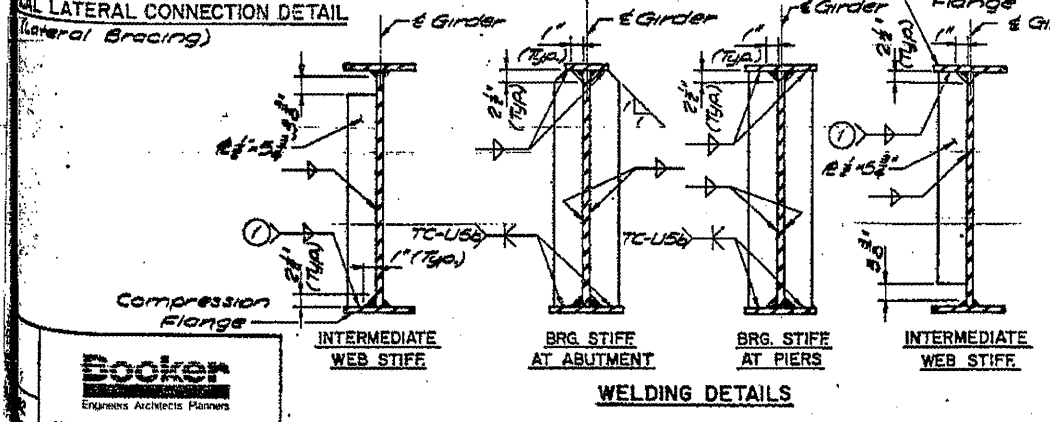
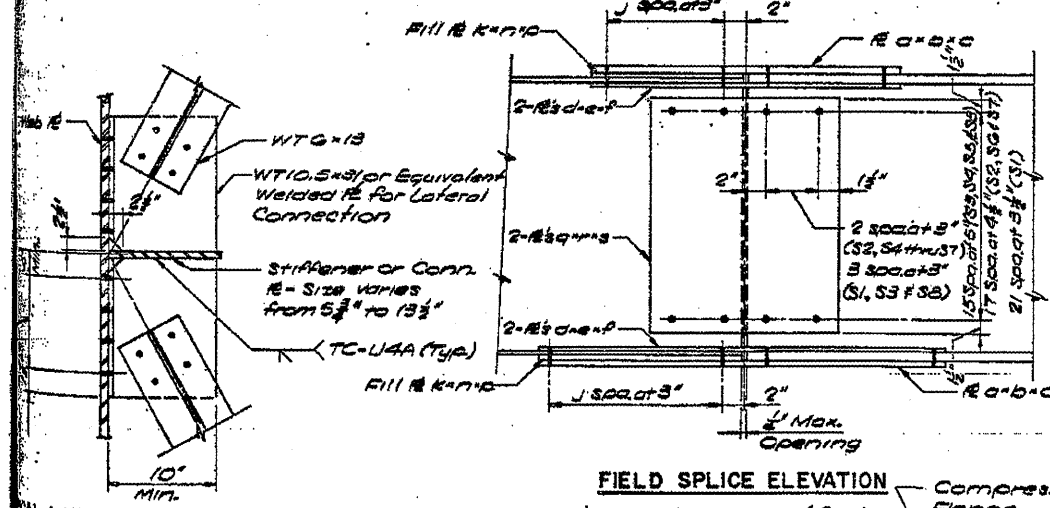
TYPICAL INTERIOR CROSSFRAME CF2



TYPICAL INTERIOR CROSSFRAME CF3

Note: End Diaphragm at E Abut and Pier 19 shall slope to match cross slope of roadway maintaining a constant dim. of 7' at E Abut and 3' at Pier 12 from bott. of top flange of girder to top flange of Diaphragm

Material Thickness of Thicker Part (inches)	Minimum Size of Fillet Weld (inches)
Over 1/2" to 3/4"	3/16"
Over 3/4" to 1"	1/4"
Over 1" to 1 1/2"	3/8"
Over 1 1/2" to 2"	1/2"



SPLICE LOCATION	FLANGE	+ NO. REQUIRED	TABLE OF DIMENSIONS - BOLTED FIELD SPLICE															
			a	b	c	d	e	f	g	h	i	k	n	p	q	r	s	
S1	Top	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S1	Botm	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S2	Top	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S2	Botm	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S3	Top	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S3	Botm	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S4	Top	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S4	Botm	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S5	Top	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S5	Botm	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S6	Top	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S6	Botm	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S7	Top	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S7	Botm	2	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S8	Top	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"
S8	Botm	1	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"	12' 2 1/4"

NOTES
 1. Weld Intermediate Web Stiffeners to Compression Flange as located on Girder Elevation, except at Crossframe CF2 weld to both flanges.
 Holes in Crossframe CF2 and CF3 shall be 1 1/2" holes for 3/4" H.S. Bolts.
 Holes in Diaphragm D1 and splices shall be detailed with 1 1/2" Holes for 3/4" H.S. Bolts in flanges and webs. Two (2) hardened washers per bolt shall be provided for over-size holes.

Refer to Girder Elevation at splice locations to verify filler R thickness

REV. NO.	DRAWN	CHKD.	APPR.	DESCRIPTION	DATE

F A ROUTE 63 (U. S. ROUTE 24)
 OVER MISSISSIPPI RIVER
 QUINCY, ILLINOIS
 EAST APPROACH - STEEL ALTERNATE
 STEEL DETAILS

EXISTING STEEL PLANS
 FOR INFORMATION ONLY