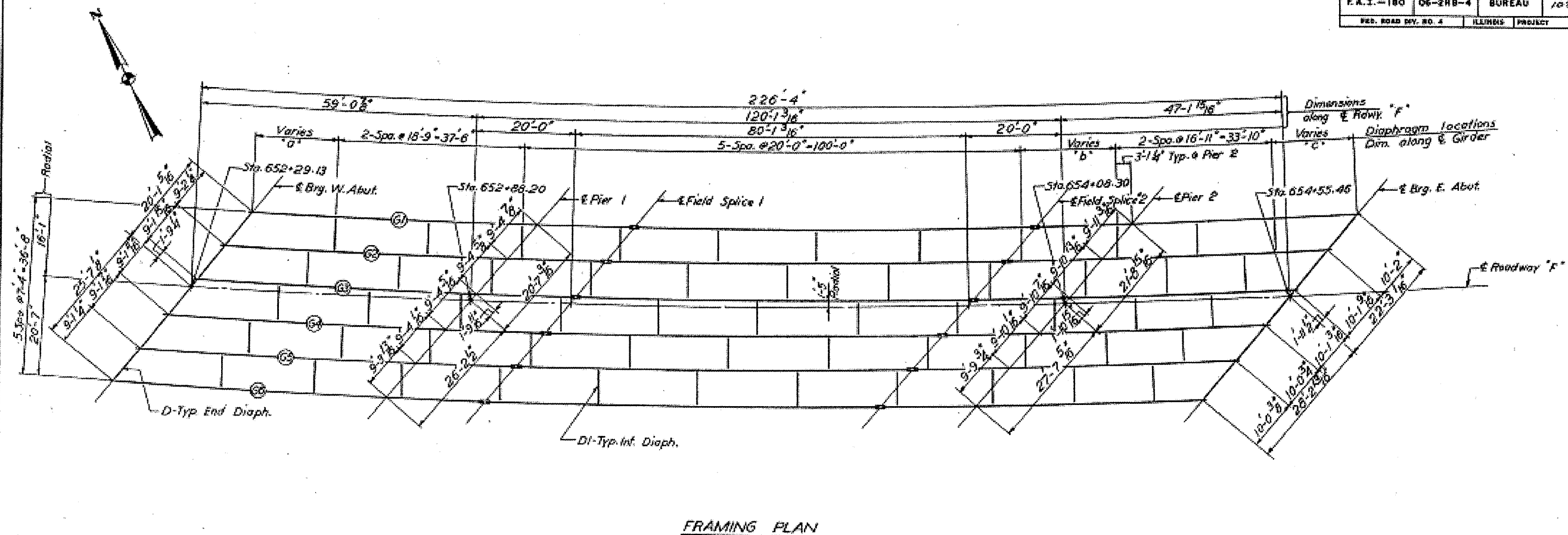


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 180	06-2HB-4	BUREAU	103	17
FED. ROAD DIST. NO. 4		ILLINOIS	PROJECT	



TOP OF GIRDER WEB ELEVATIONS FOR FABRICATION
(Deflection not included)

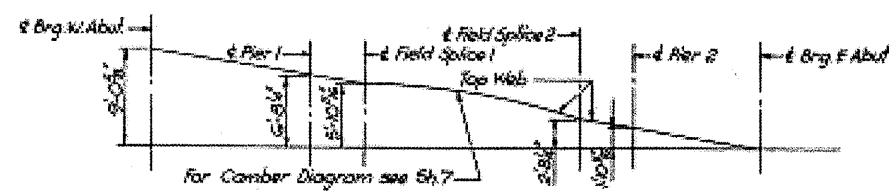
Girder	W. Abut	Pier 1	Field Splice 1	Field Splice 2	Pier 2	E. Abut
G1	547.47	545.11	544.31	541.11	540.30	533.42
G2	548.31	545.95	545.15	541.95	541.15	539.26
G3	549.15	546.79	545.99	542.79	541.99	540.10
G4	549.99	547.63	546.83	543.63	542.83	540.94
G5	550.83	548.48	547.67	544.47	543.67	541.78
G6	551.67	549.30	548.51	545.31	544.52	542.62

GIRDER RADII	Value
G1	1893.770
G2	1901.109
G3	1908.442
G4	1915.775
G5	1923.108
G6	1930.441

LOADS	Moments (Ft. Kips)						Reactions (Kips)			
	Span 1	Span 2	Span 3	Pier 1	Pier 2	W. Abut	Pier 1	Pier 2	E. Abut	
	Dead Load	95	1045	50	1310	1290	16.4	136.9	134.0	81.1
Live Load	381	755	267	625	637	38.3	63.8	64.8	36.5	
Impact	104	155	78	145	153	10.4	14.9	15.5	10.6	
Total	580	1955	295	2080	2080	65.1	215.6	214.3	68.2	
Required S.M. (in) ³	376	1359	183	6423	6423					

TORQUE LOADS	Moments (Ft. Kips)					
	Span 1	Span 2	Span 3	Pier 1	Pier 2	E. Abut
	Dead Load	0.49	7.50	-0.26	7.94	7.81
Live Load	1.97	5.40	1.34	3.79	3.86	
Impact	0.54	1.10	0.39	0.87	0.93	
Total	3.00	14.0	1.47	12.60	12.60	
Required S.M. (in) ³	24.50	61.25	24.50	61.25	61.25	
Furnished Torque	24.50	61.25	24.50	61.25	61.25	

Girder	DIMENSIONS a, b, & c.		
	'a'	'b'	'c'
G1	18'-9 1/4"	20'-10 1/8"	16'-9 5/16"
G2	18'-7 9/16"	20'-5 15/16"	16'-7 3/8"
G3	18'-5 7/8"	20'-2"	16'-5 1/2"
G4	18'-4 5/16"	19'-10"	16'-3 5/8"
G5	18'-2 3/4"	19'-6 1/8"	16'-1 1/16"



DESIGNED BY: AX.
DRAWN BY: J.J.
CHECKED BY: B.B. & P.K.
APPROVED BY: K.A.

Note: All girders shall be fabricated to their respective radii shown on table above.

APPROVED
FOR STRUCTURAL ASSEMBLY ONLY
[Signature]
REGISTERED PROFESSIONAL ENGINEER

BRIDGE NO. 8
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
ROADWAY "F" OVER ROADWAY "G"
STATION 653+47.82
F.A.I. RT. 180 BUREAU COUNTY SECTION 06-2HB-4
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET NO. 6 OF 18

FOR INFORMATION ONLY