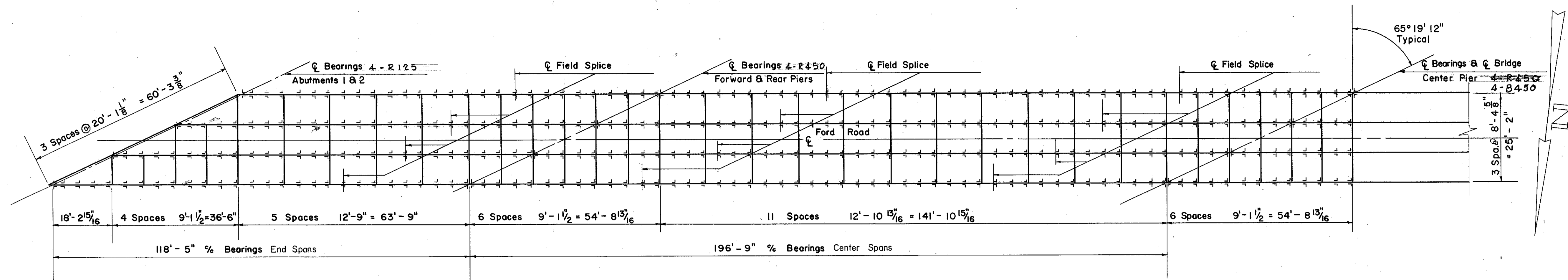
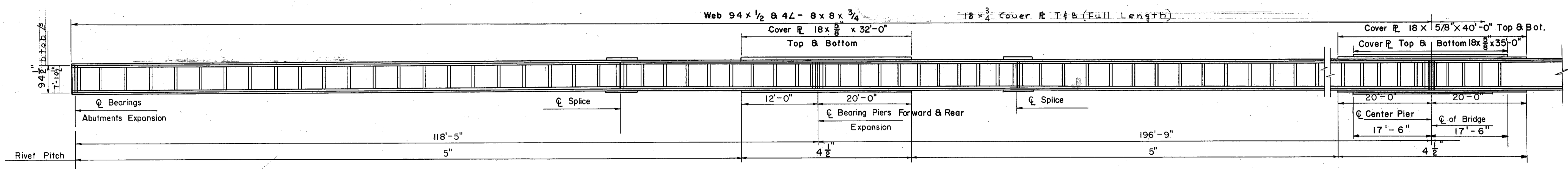


LAKE COUNTY  
SEC. LAK-1-2023



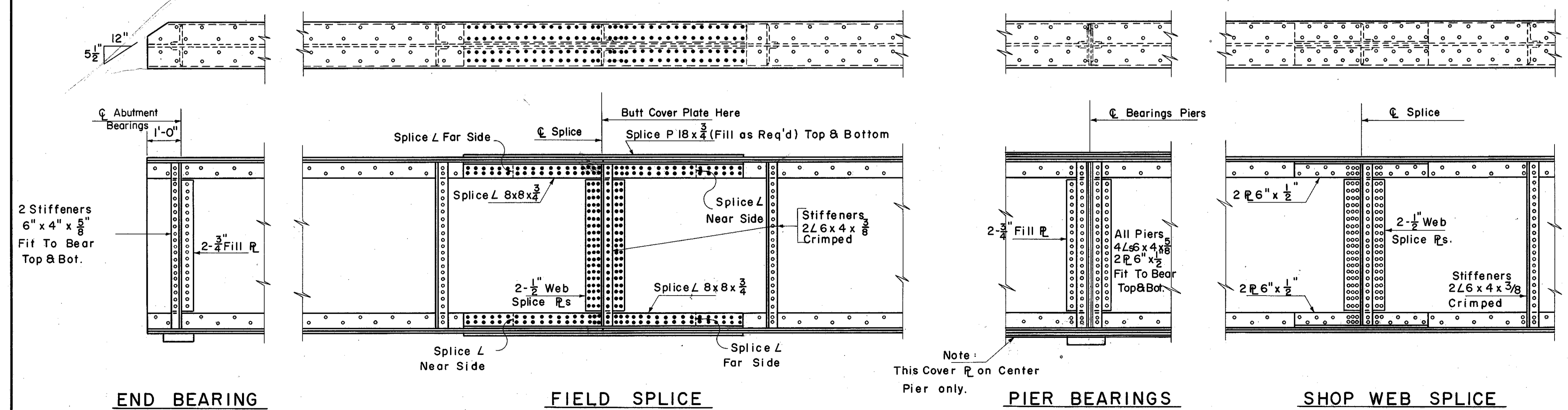
HALF PLAN - STEEL FRAMING



HALF ELEVATION OF INTERIOR & EXTERIOR GIRDERS

**DEFLECTION & CAMBER**

Final Position	Bearing Abutments		Bearing Piers Forward & Rear				Bearing Center Pier & of Bridge	
	Deflection		Splice Points				Splice Pt.	
Deflection Line	Chord Line							
GIRDER	INT	EXT	INT	EXT	INT	EXT	INT	EXT
Deflection due to Weight of Steel	1/16	1/16	1/2	1/2	1/4	1/4	1/2	1/2
Deflection due to remaining D.L.	1/16	1/16	3/4	1 3/8	5/8	1"	5/8	1"
Total Deflection & Regd. camber	Negligible	Negligible	1 1/4	1 7/8	7/8	1 1/4	1 1/8	1 1/2



**NOTES:**  
 Welding of structural steel shall be Class "A" except as otherwise shown. Welds shown as field welds may, at the option of the Contractor, be made in the shop.  
 Rivets shall be 7/8" diameter unless otherwise noted.  
 All dimensions shown are horizontal.  
 All stiffeners shall be normal to the girder.  
 Details for all four girders are identical.

SEC. C-34 FED. AID PROJ. NO. ACI-1103(28)  
 PREPARED BY  
 CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.  
 FOR  
 STATE OF OHIO  
 DEPARTMENT OF HIGHWAYS  
 STEEL FRAMING PLAN  
 BRIDGE NO. LAK-1-2111  
 S.R.I UNDER FORD ROAD  
 LAKE COUNTY  
 STA. 759+ 6937

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
J.V.	J.V.				7-14-58