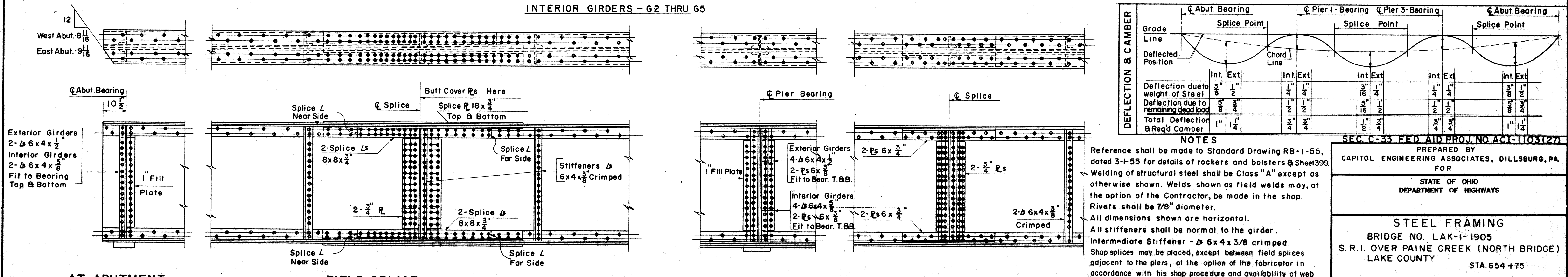
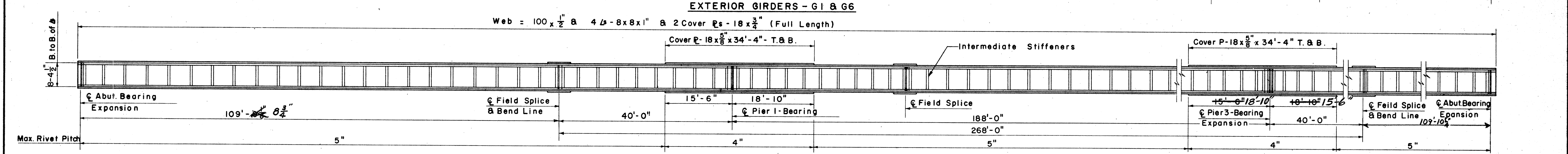
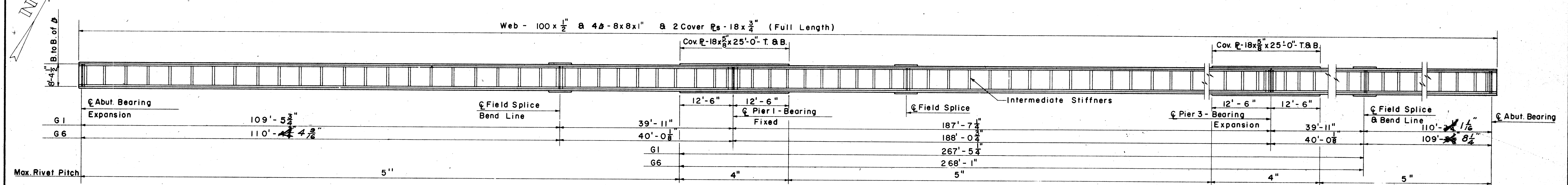


PLAN - STEEL FRAMING



DEFLECTION & CAMBER

Grade Line	Splice Point		Splice Point		Splice Point		Splice Point	
	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.
Deflected Position	3/8"	1/2"	1/4"	1/4"	1/16"	1/4"	1/4"	1/2"
Deflection due to weight of steel	3/8"	1/2"	1/4"	1/4"	1/16"	1/4"	1/4"	1/2"
Deflection due to remaining dead load	3/8"	1/2"	1/4"	1/4"	1/16"	1/4"	1/4"	1/2"
Total Deflection & Req'd Camber	1"	1 1/4"	3/4"	3/4"	1/4"	3/4"	3/4"	1 1/4"

NOTES

Reference shall be made to Standard Drawing RB-1-55, dated 3-1-55 for details of rockers and boisters @ Sheet 399.

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.

All dimensions shown are horizontal.

All stiffeners shall be normal to the girder.

Intermediate Stiffener - L 6x4x3/8 crimped.

Shop splices may be placed, except between field splices adjacent to the piers, at the option of the fabricator in accordance with his shop procedure and availability of web plate material, but the engineers approval of this work must be obtained.

SEC. C-35 FED. AID PROJ. NO. ACI-1103(27)

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS

STEEL FRAMING
BRIDGE NO. LAK-I-1905
S.R.I. OVER PAINE CREEK (NORTH BRIDGE)
LAKE COUNTY
STA. 654+75