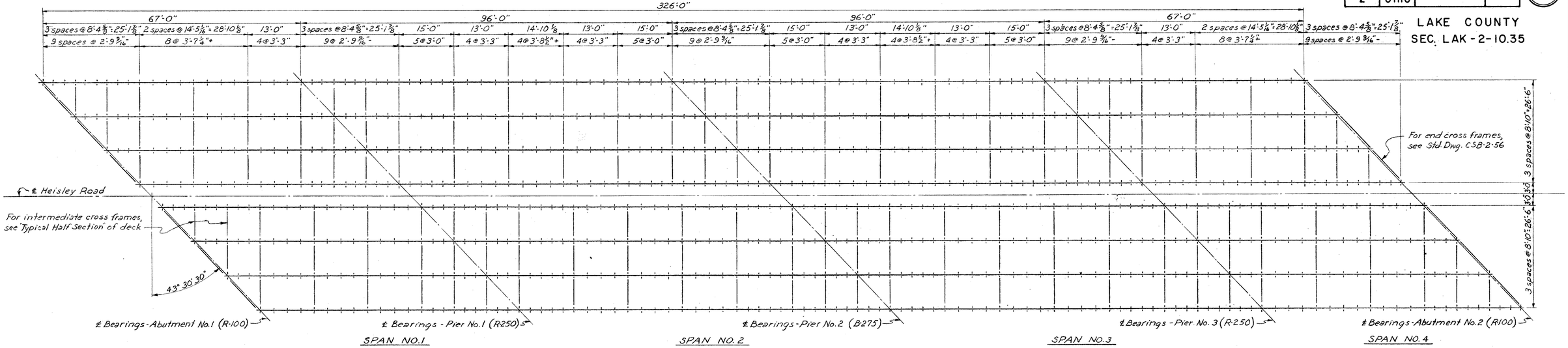
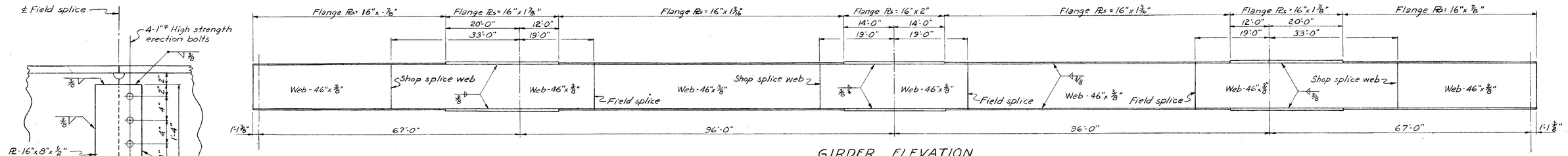
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

336
379

LAKE COUNTY
SEC. LAK-2-10.35



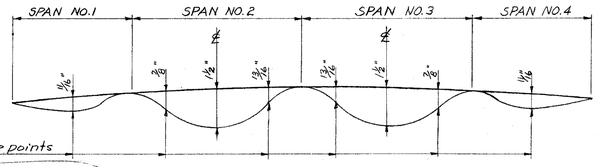
STEEL FRAMING PLAN



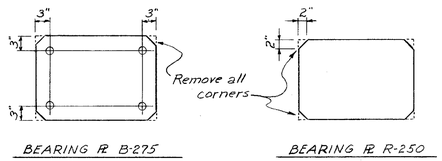
ALIGNMENT PLATE DETAIL

GIRDER ELEVATION

These plates shall be used on interior face of girders only. After the girder welds have been completed, the erection bolts in outside girders only shall be removed, the bolt holes welded shut and the field welding of alignment plates completed. Bolt holes shall be subpunched and reamed assembled or drilled full size while assembled. Alignment plates shall not be used to carry erection stresses through the girder. All splice points shall be supported until splices are welded.



CAMBER DIAGRAM

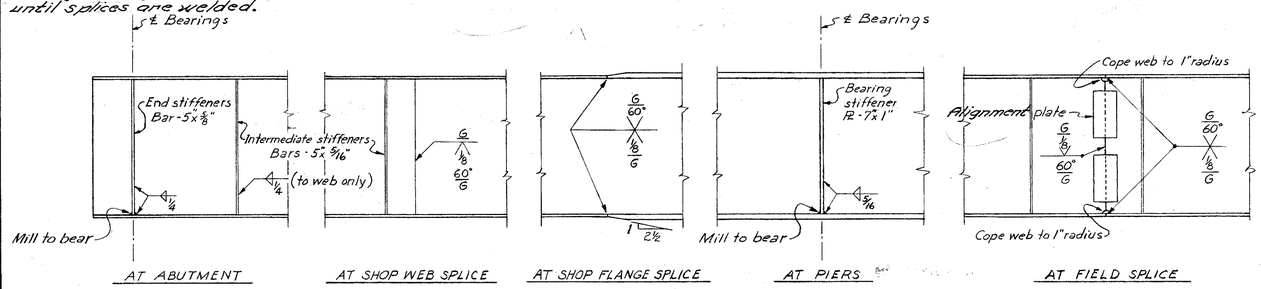


BEARING PL B-275

BEARING PL R-250

ALTERATIONS TO STANDARD BEARING PLATES

(See Standard Drawing RB-1-55 for details not shown)



GIRDER DETAILS

DEFLECTION & CAMBER

	SPAN NO. 1	SPAN NO. 2	SPAN NO. 3	SPAN NO. 4
Deflection due to weight of steel	1/16"	1/16"	1/16"	1/16"
Deflection due to remaining dead load	1/8"	1/4"	1/4"	1/8"
Convexity required for vertical curve	3/8"	13/16"	13/16"	3/8"
Sum of deflection and convexity	9/16"	1⅛"	1⅛"	9/16"
Required camber	0	1⅛"	1⅛"	0

SEC. L-33

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

STEEL FRAMING PLAN
BRIDGE NO. LAK-2-1263
RELOC. S.R.2 UNDER HEISLEY RD.
LAKE COUNTY
STA. 564 + 99.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
JJM	JJM		MEP		

MICROFILMED
JUL 1 1985