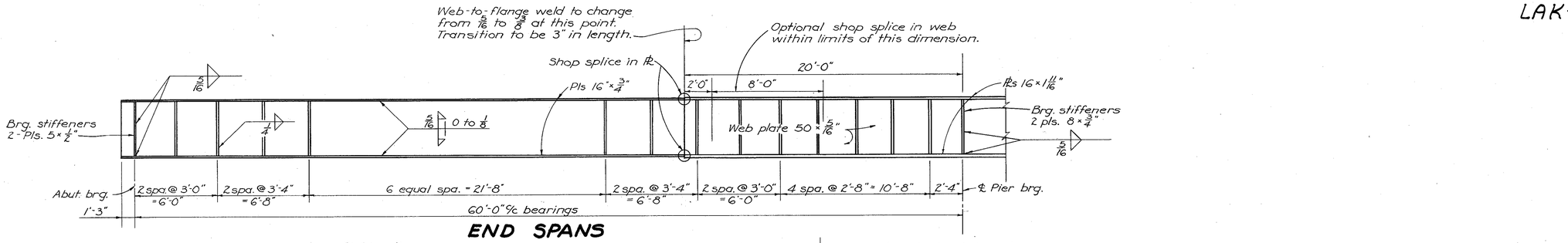
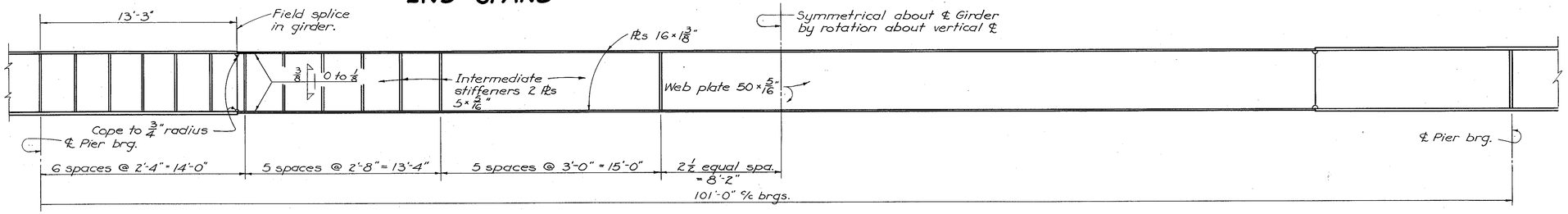
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

391 / 394

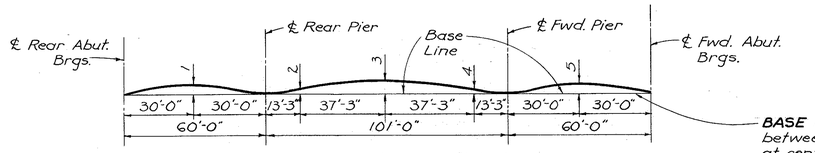
LAK-2-0.00



END SPANS



CENTER SPAN



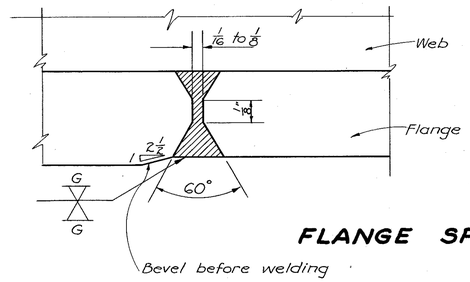
CAMBER DIAGRAM

BASE LINES are the three chords between roadway surface elevs. at centerlines of bearings.

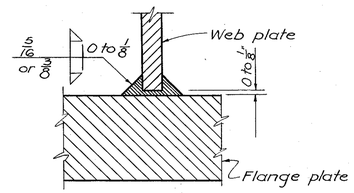
DEFLECTION AND CAMBER

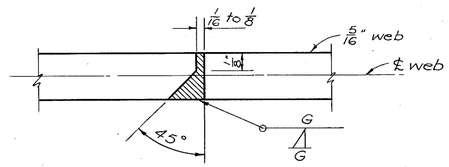
Point	Deflection Due To	GIRDER NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	DL of steel	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"
	Remaining DL	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
	V.C.	.19	.18	.00	.22	.19	.22	.34	.22	.17	.22	.26	.16	.28	.50
	Sum	.20"	.19"	.01"	.23"	.20"	.23"	.35"	.23"	.18"	.23"	.27"	.17"	.29"	.51"
	Reqd Camber	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	DL of steel	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"
	Remaining DL	.25	.26	.26	.26	.26	.26	.25	.25	.26	.26	.26	.26	.26	.25
	V.C.	.42	.36	.18	.14	.14	.16	.34	.19	.30	.14	.31	.24	.24	-.06
	Sum	.74"	.69"	.51"	.47"	.47"	.49"	.66"	.51"	.63"	.47"	.64"	.57"	.57"	.26"
	Reqd Camber	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	DL of steel	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"	.21"
	Remaining DL	.76	.78	.78	.78	.78	.78	.76	.76	.78	.78	.78	.78	.78	.76
	V.C.	.73	.55	.43	.32	.53	.42	.64	.46	.52	.56	.66	.50	.30	-.48
	Sum	1.71"	1.54"	1.42"	1.31"	1.52"	1.41"	1.61"	1.43"	1.51"	1.55"	1.65"	1.49"	1.29"	.49"
	Reqd Camber	1 3/4"	1 1/2"	1 3/8"	1 3/8"	1 1/2"	1 3/8"	1 5/8"	1 3/8"	1 1/2"	1 1/2"	1 5/8"	1 1/2"	1 1/4"	0
4	DL of steel	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"	.07"
	Remaining DL	.25	.26	.26	.26	.26	.26	.25	.25	.26	.26	.26	.26	.26	.25
	V.C.	.24	.19	.24	.20	.29	.14	.24	.28	.28	.24	.31	.16	.18	-.22
	Sum	.56"	.52"	.57"	.53"	.62"	.47"	.56"	.60"	.61"	.57"	.64"	.49"	.51"	.10"
	Reqd Camber	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	DL of steel	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"	-.02"
	Remaining DL	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
	V.C.	.28	.17	.34	.31	.25	.40	.19	.22	.24	.30	.24	.06	.00	.00
	Sum	.29"	.18"	.35"	.32"	.26"	.41"	.20"	.23"	.25"	.31"	.25"	.07"	.01"	.01"
	Reqd Camber	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STIFFENERS: *Intermediate stiffeners shall not be welded to the flanges but shall be fitted to the flanges in close enough contact that when the shop paint is applied it will fill and close the openings. The bearing stiffeners over piers and abutments shall be welded to the lower flange and fitted in close contact, without welding, at the upper flange.*



FLANGE SPLICES





FIELD WEB SPLICE

"G" indicates a flush grind.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GIRDER DETAILS

BRIDGE No. LAK-2-0401 L℄R
over VINE STREET

LAKE COUNTY STA. 310+54.21
312+82.19

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RHN	RHN	J.G.W.	Ray	BFG A.J.A.	12-31-58	