



CURVED GIRDER LAYOUT

GIRDER	C Brg. W. Abut.		C Field Splice 1		C Pier 1		C Field Splice 2		C Field Splice 3		C Field Splice 4		C Pier 2		C Field Splice 5		C Brg. E. Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1	-297.70	-54.14	-173.70	-49.57	-124.08	-48.41	-81.89	-42.19	-47.73	-47.35	81.89	-47.73	124.08	-48.41	173.70	-49.57	297.70	-54.14
2	-298.09	-45.56	-173.93	-40.99	-124.24	-39.83	-82.00	-42.25	-39.15	-38.76	82.00	-39.15	124.24	-39.83	173.93	-40.99	298.09	-45.56
3	-298.49	-36.99	-174.16	-32.41	-124.41	-31.25	-82.11	-42.30	-30.57	-30.18	82.11	-30.57	124.41	-31.25	174.16	-32.41	298.49	-36.99
4	-298.89	-28.41	-174.40	-23.83	-124.58	-22.67	-82.22	-42.36	-21.98	-21.60	82.22	-21.98	124.58	-22.67	174.40	-23.83	298.89	-28.41
5	-299.29	-19.84	-174.63	-15.25	-124.74	-14.08	-82.33	-42.41	-13.40	-13.01	82.33	-13.40	124.74	-14.08	174.63	-15.25	299.29	-19.84
6	-299.69	-11.27	-174.86	-6.67	-124.91	-5.50	-82.44	-42.47	-4.82	-4.43	82.44	-4.82	124.91	-5.50	174.86	-6.67	299.69	-11.27
7	-300.09	-2.69	-175.09	1.91	-125.08	3.08	-82.55	-42.53	3.76	4.15	82.55	3.76	125.08	3.08	175.09	1.91	300.09	-2.69
8	-300.49	5.88	-175.33	10.50	-125.24	11.66	-82.66	-42.58	12.35	12.73	82.66	12.35	125.24	11.66	175.33	10.50	300.49	5.88
9	-300.89	14.46	-175.56	19.08	-125.41	20.24	-82.77	-42.64	20.93	21.32	82.77	20.93	125.41	20.24	175.56	19.08	300.89	14.46
10	-301.29	23.03	-175.79	27.66	-125.57	28.82	-82.88	-42.70	29.51	29.90	82.88	29.51	125.57	28.82	175.79	27.66	301.29	23.03
11	-301.69	31.60	-176.03	36.24	-125.74	37.41	-82.99	-42.75	38.09	38.48	82.99	38.09	125.74	37.41	176.03	36.24	301.69	31.60
12	-302.09	40.18	-176.26	44.82	-125.91	45.99	-83.10	-42.81	46.68	47.07	83.10	46.68	125.91	45.99	176.26	44.82	302.09	40.18

**EXTERIOR GIRDER
LIVE LOAD DISTRIBUTION FACTORS**

	0.4 Span 1 0.6 Span 3	Pier 1 Pier 2	0.5 Span 2
Moment (single) (lanes)		0.76	
Moment (multiple) (lanes)	0.62	0.63	0.57
Shear (single) (lanes)		0.76	
Shear (multiple) (lanes)		0.67	
Fatigue Moment (lanes)		0.63	
Fatigue Shear (lanes)		0.63	

**INTERIOR GIRDER
LIVE LOAD DISTRIBUTION FACTORS**

	0.4 Span 1 0.6 Span 3	Pier 1 Pier 2	0.5 Span 2
Moment (single) (lanes)		0.43	0.39
Moment (multiple) (lanes)	0.64	0.65	0.59
Shear (single) (lanes)		0.71	
Shear (multiple) (lanes)		0.86	
Fatigue Moment (lanes)	0.36	0.36	0.32
Fatigue Shear (lanes)		0.59	

Notes:
 The Distribution Factors labeled "Fatigue" do not include the single lane multiple presence factor.
 The Distribution Factors labeled "(single)" and "(multiple)" refer to the number of design lanes loaded and include the multiple presence factor.

Note:
 Work this sheet with Shts. S-34 and S-36.

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