



CURVED GIRDER LAYOUT

SPAN 1

Girder	€ Brg. Pier 23 Sta. VARIES		Splice 1 Sta. 128+94.87		Splice 2 Sta. 129+43.77	
	X	Y	X	Y	X	Y
1W	-640.20	-66.49	-531.21	-32.94	-482.97	-20.24
2W	-637.92	-73.19	-529.32	-39.76	-481.25	-27.11
3W	-635.64	-79.90	-527.43	-46.59	-479.53	-33.98
4W	-633.36	-86.61	-525.54	-53.42	-477.81	-40.85
5W	-631.08	-93.31	-523.65	-60.24	-476.10	-47.72
6W	-628.80	-100.02	-521.76	-67.07	-474.38	-54.60
1E	-626.34	-107.24	-519.73	-74.42	-472.53	-61.99
2E	-623.50	-115.60	-517.37	-82.93	-470.39	-70.56
3E	-620.65	-123.96	-515.02	-91.45	-468.25	-79.13
4E	-617.81	-132.32	-512.66	-99.96	-466.10	-87.70
5E	-614.96	-140.69	-510.31	-108.47	-463.96	-96.27

SPAN 2

Girder	€ Pier 24 Sta. 130+03.00		Splice 3 Sta. 130+61.54		Splice 4 Sta. 131+70.33		Splice 5 Sta. 132+19.24	
	X	Y	X	Y	X	Y	X	Y
1W	-424.14	-6.48	-365.61	5.36	-256.01	22.69	-206.46	28.48
2W	-422.63	-13.40	-364.31	-1.60	-255.10	15.66	-205.73	21.43
3W	-421.12	-20.32	-363.01	-8.56	-254.19	8.64	-204.99	14.39
4W	-419.62	-27.24	-361.71	-15.52	-253.28	1.61	-204.26	7.34
5W	-418.11	-34.16	-360.41	-22.49	-252.37	-5.41	-203.52	0.30
6W	-416.60	-41.08	-359.11	-29.45	-251.46	-12.44	-202.79	-6.75
1E	-414.98	-48.53	-357.71	-36.95	-250.48	-20.00	-202.00	-14.33
2E	-413.09	-57.16	-356.09	-45.63	-249.34	-28.76	-201.08	-23.12
3E	-411.21	-65.79	-354.46	-54.31	-248.21	-37.52	-200.17	-31.90
4E	-409.33	-74.42	-352.84	-63.00	-247.07	-46.28	-199.25	-40.69
5E	-407.45	-83.05	-351.22	-71.68	-245.94	-55.04	-198.34	-49.47

SPAN 3

Girder	€ Pier 25 Sta. 132+81.00		Splice 6 Sta. 133+42.00		PC Sta. VARIES		Splice 7 Sta. 134+49.97		Splice 8 Sta. 134+98.87	
	X	Y	X	Y	X	Y	X	Y	X	Y
1W	-143.71	34.02	-81.58	37.54	-3.75	40.73	28.57	41.75	78.57	42.16
2W	-143.20	26.95	-81.29	30.46	-19.02	33.01	28.46	34.33	78.27	34.35
3W	-142.68	19.89	-81.00	23.38	-34.30	25.30	28.35	26.79	77.95	26.46
4W	-142.17	12.82	-80.71	16.30	-49.58	17.58	28.24	19.15	77.64	18.47
5W	-141.66	5.76	-80.42	9.23	-64.86	9.87	28.13	11.42	77.32	10.41
6W	-141.15	-1.31	-80.13	2.15	N/A	N/A	28.02	3.59	77.00	2.28
1E	-140.60	-8.91	-79.82	-5.47	N/A	N/A	27.91	-4.03	76.70	-5.34
2E	-139.96	-17.72	-79.46	-14.29	N/A	N/A	27.78	-12.87	76.35	-14.17
3E	-139.33	-26.53	-79.10	-23.12	N/A	N/A	27.66	-21.70	76.01	-23.00
4E	-138.69	-35.34	-78.74	-31.95	N/A	N/A	27.53	-30.53	75.66	-31.82
5E	-138.05	-44.15	-78.37	-40.77	N/A	N/A	27.41	-39.36	75.31	-40.65

SPAN 4

Girder	€ Pier 26 Sta. 135+61.00		Splice 9 Sta. 136+21.63		Splice 10 Sta. 137+32.42		Splice 11 Sta. 137+81.32	
	X	Y	X	Y	X	Y	X	Y
1W	142.13	40.62	204.12	36.88	316.97	24.37	366.51	16.51
2W	141.54	32.39	203.24	28.31	315.52	15.36	364.81	7.38
3W	140.95	24.09	202.35	19.69	314.07	6.33	363.11	-1.76
4W	140.36	15.73	201.46	11.03	312.62	-2.73	361.41	-10.91
5W	139.76	7.31	200.57	2.32	311.17	-11.79	359.70	-20.07
6W	139.15	-1.16	199.67	-6.43	309.71	-20.88	357.99	-29.24
1E	138.61	-8.77	198.89	-14.01	308.51	-28.41	356.60	-36.74
2E	137.98	-17.58	197.99	-22.80	307.11	-37.13	354.98	-45.42
3E	137.35	-26.39	197.09	-31.58	305.71	-45.85	353.36	-54.11
4E	136.72	-35.20	196.19	-40.37	304.31	-54.57	351.75	-62.79
5E	136.10	-44.01	195.29	-49.16	302.91	-63.30	350.13	-71.48

SPAN 5

Girder	€ Pier 27 Sta. 138+41.00		Splice 12 Sta. 138+99.10		Splice 13 Sta. 139+48.00		€ Brg. E. Abut. Sta. 140+63.00	
	X	Y	X	Y	X	Y	X	Y
1W	426.64	5.00	484.77	-8.22	533.34	-20.88	646.12	-55.63
2W	424.64	-4.20	482.47	-17.44	530.81	-30.06	643.05	-64.64
3W	422.63	-13.42	480.18	-26.66	528.27	-39.24	639.98	-73.65
4W	420.62	-22.63	477.88	-35.88	525.74	-48.41	636.91	-82.66
5W	418.61	-31.86	475.58	-45.10	523.20	-57.59	633.84	-91.68
6W	416.60	-41.08	473.28	-54.32	520.67	-66.77	630.77	-100.69
1E	414.98	-48.53	471.43	-61.72	518.64	-74.12	628.31	-107.91
2E	413.09	-57.16	469.30	-70.29	516.29	-82.63	625.46	-116.27
3E	411.21	-65.79	467.16	-78.86	513.94	-91.15	622.62	-124.63
4E	409.33	-74.42	465.02	-87.43	511.59	-99.66	619.77	-132.99
5E	407.45	-83.05	462.89	-96.00	509.24	-108.18	616.92	-141.35

NOTES:

1. For girder segment lengths see Sheets S-55 through S-57 and Sheets S-61 through S-63.
2. For girder radii and location of PT, PC, and PCC see Sheets S-48 through S-53.

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FILE NAME =	USER NAME = #USER#	DESIGNED - CCE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION OVER NS, TRRA, MCT AND INDUSTRIAL DR.	CURVED GIRDER LAYOUT			F.A.P. RTE. 998	SECTION 82-2-1HVB	COUNTY ST. CLAIR	TOTAL SHEETS 285	SHEET NO. 164
#FILE#	PLOT SCALE = #SCALE#	DRAWN - CCE	REVISED -		SCALE:	SHEET NO. S-54	OF S-111	STA. 134+22.00	TO STA.	SN 082-0318 (EB) & 0319 (WB)	CONTRACT NO. 76C44	
	PLOT DATE = #DATE#	CHECKED - TCU	REVISED -							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
		DATE - 06/04/10	REVISED -									

