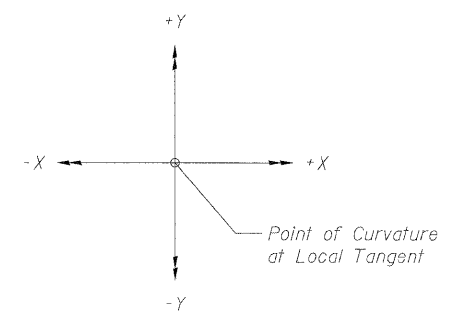


PLAN

GIRDER DIMENSIONS (in feet)

Girder	W. Curve Radius	E. Curve Radius	A	B	C	D	E	F	G	H	J	L
1	560.50	1089.50	82.86	34.12	34.12	77.98	32.38	35.00	35.00	34.99	84.95	1131.39
2	567.75	1082.25	83.93	34.56	34.56	78.99	33.69	35.00	35.00	34.99	84.98	1135.70
3	575.00	1075.00	85.00	35.00	35.00	80.00	35.00	35.00	35.00	35.00	85.00	1140.00
4	582.25	1067.75	86.07	35.44	35.44	81.01	36.31	35.00	35.00	35.01	85.03	1144.31
5	589.50	1060.50	87.14	35.88	35.88	82.02	37.62	35.00	35.00	35.01	85.05	1148.61



LEGEND

LAYOUT DIMENSIONS (in feet)

Girder	W. Abut.		Splice 1		Pier 1		Splice 2		Splice 3		Pier 2		Splice 4		Splice 13		Pier 7		Splice 14		E. Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1	-252.14	74.41	-175.66	42.74	-142.95	33.04	-109.72	25.34	-32.43	15.44	-0.07	14.50	34.93	14.50	-25.63	14.50	9.37	14.46	44.35	13.60	129.01	6.84
2	-255.40	67.94	-177.93	35.85	-144.80	26.03	-111.14	18.23	-32.85	8.20	0.82	7.25	35.82	7.25	-24.74	7.25	10.26	7.20	45.24	6.30	129.92	-0.58
3	-258.66	61.46	-180.20	28.97	-146.65	19.02	-112.56	11.12	-33.27	0.96	1.71	0.00	36.71	0.00	-23.85	0.00	11.15	-0.06	46.14	-0.99	130.83	-7.99
4	-261.92	54.99	-182.47	22.08	-148.50	12.01	-113.98	4.02	-33.69	-6.27	2.60	-7.25	37.60	-7.25	-22.96	-7.25	12.04	-7.32	47.03	-8.29	131.74	-15.41
5	-265.18	48.51	-184.75	15.20	-150.35	5.00	-115.40	-3.09	-34.11	-13.51	3.49	-14.50	38.49	-14.50	-22.07	-14.50	12.93	-14.58	47.93	-15.58	132.65	-22.83

benesch Alfred Benesch & Company
 205 North Michigan Avenue, Suite 2400
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 engineers - scientists - planners 312-565-0450 Job No. 10092

FILE NAME = 0456024_028_CurveGirder.dgn
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 PLOT SCALE =
 PLOT DATE = 11/9/2011

DESIGNED - MFH
 CHECKED - AJK
 DRAWN - RMG
 CHECKED - AJK
 REVISED -
 REVISED -
 REVISED -
 REVISED -



CITY OF ST. CHARLES

CURVED GIRDER LAYOUT
STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER
 SHEET NO. S28 OF S56 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	250
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

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