

# BIKE PATH ALIGNMENT TIES TO IL. ROUTE 29

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	84-12; 11-3	•	729	79
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				
• SANGAMON AND CHRISTIAN				

PROP. B BIKE PATH EMBANKMENT  
 CURVE-1 DATA  
 2032 PI STA. = 1588+41.93  
 Δ = 0° 52' 58" (LT)  
 D = 1° 08' 45"  
 R = 5,000.00'  
 T = 38.52'  
 L = 77.03'  
 E = 0.15'  
 2031 P.C. STA. = 1588+03.41  
 2033 P.R.C. STA. = 1588+80.44

**CURVE-1**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2031	PC Sta 1588+03.41	1096054.303	2511712.380	1588+03.41, 132.02' LT.
2032	PI Sta 1588+41.93	1096074.488	2511679.574	1588+41.93, 132.02' LT.
2033	PRC Sta 1588+80.44	1096094.164	2511646.462	1588+80.44, 132.61' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-8 DATA  
 2049 PI STA. = 1603+16.90  
 Δ = 2° 14' 22" (RT)  
 D = 2° 17' 31"  
 R = 2,500.00'  
 T = 48.86'  
 L = 97.71'  
 E = 0.48'  
 2048 P.C. STA. = 1602+68.04  
 2050 P.T. STA. = 1603+65.75

**CURVE-8**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2048	PC Sta 1602+68.04	1096812.124	2510459.208	1602+67.85, 143.27' LT.
2049	PI Sta 1603+16.90	1096837.014	2510417.160	1603+16.71, 144.10' LT.
2050	PT Sta 1603+65.75	1096863.529	2510376.116	1603+65.56, 143.03' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-2 DATA  
 2034 PI STA. = 1589+49.57  
 Δ = 1° 35' 03" (RT)  
 D = 1° 08' 45"  
 R = 5,000.00'  
 T = 69.13'  
 L = 138.25'  
 E = 0.48'  
 2033 P.R.C. STA. = 1588+80.44  
 2035 P.T. STA. = 1590+18.69

**CURVE-2**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2033	PRC Sta 1588+80.44	1096094.164	2511646.462	1588+80.44, 132.61' LT.
2034	PI Sta 1589+49.57	1096129.478	2511587.034	1589+49.56, 133.68' LT.
2035	PT Sta 1590+18.69	1096166.420	2511528.606	1590+18.68, 132.83' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-9 DATA  
 2052 PI STA. = 1606+80.25  
 Δ = 30° 01' 25" (LT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 80.45'  
 L = 157.20'  
 E = 10.60'  
 2051 P.C. STA. = 1605+99.80  
 2053 P.T. STA. = 1607+57.00

**CURVE-9**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2051	PC Sta 1605+99.80	1096990.528	2510179.525	1605+99.55, 137.88' LT.
2052	PI Sta 1606+80.25	1097034.183	2510111.949	1606+79.98, 136.11' LT.
2053	PT Sta 1607+57.00	1097038.168	2510031.596	1607+50.51, 174.82' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-3 DATA  
 2037 PI STA. = 1593+54.58  
 Δ = 4° 05' 26" (LT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 35.71'  
 L = 71.39'  
 E = 0.64'  
 2036 P.C. STA. = 1593+18.87  
 2038 P.R.C. STA. = 1593+90.26

**CURVE-3**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2036	PC Sta 1593+18.87	1096326.840	2511274.888	1593+18.84, 129.15' LT.
2037	PI Sta 1593+54.58	1096345.925	2511244.703	1593+54.55, 128.72' LT.
2038	PRC Sta 1593+90.26	1096362.809	2511213.233	1593+90.20, 130.83' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-10 DATA  
 2055 PI STA. = 1610+20.83  
 Δ = 34° 32' 48" (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 93.29'  
 L = 180.89'  
 E = 14.17'  
 2054 P.C. STA. = 1609+27.54  
 2056 P.T. STA. = 1611+08.43

**CURVE-10**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2054	PC Sta 1609+27.54	1097046.615	2509861.266	1609+00.00, 256.88' LT.
2055	PI Sta 1610+20.83	1097051.236	2509768.094	1609+81.78, 301.77' LT.
2056	PT Sta 1611+08.43	1097107.877	2509693.972	1610+74.59, 292.37' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-4 DATA  
 2039 PI STA. = 1594+24.11  
 Δ = 3° 52' 40" (RT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 33.85'  
 L = 67.68'  
 E = 0.57'  
 2038 P.R.C. STA. = 1593+90.26  
 2040 P.R.C. STA. = 1594+57.94

**CURVE-4**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2038	PRC Sta 1593+90.26	1096362.809	2511213.233	1593+90.20, 130.83' LT.
2039	PI Sta 1594+24.11	1096378.813	2511183.403	1594+23.99, 132.83' LT.
2040	PRC Sta 1594+57.94	1096396.797	2511154.724	1594+57.84, 132.54' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-11 DATA  
 2082 PI STA. = 54+86.98  
 Δ = 5° 05' 12" (LT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 44.42'  
 L = 88.78'  
 E = 0.99'  
 2081 P.C. STA. = 54+42.56  
 2083 P.R.C. STA. = 55+31.34

**CURVE-11**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2081	PC Sta 54+42.56	1103423.639	2500955.179	53+42.47, 124.07' LT.
2082	PI Sta 54+86.98	1103449.603	2500919.139	53+87.17, 121.89' LT.
2083	PRC Sta 55+31.34	1103472.269	2500880.940	54+31.89, 123.54' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-5 DATA  
 2041 PI STA. = 1595+11.43  
 Δ = 1° 13' 33" (LT)  
 D = 1° 08' 45"  
 R = 5,000.00'  
 T = 53.49'  
 L = 106.98'  
 E = 0.29'  
 2040 P.R.C. STA. = 1594+57.94  
 2042 P.T. STA. = 1595+64.92

**CURVE-5**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2040	PRC Sta 1594+57.94	1096396.797	2511154.724	1594+57.84, 132.54' LT.
2041	PI Sta 1595+11.43	1096425.216	2511109.404	1595+11.33, 132.08' LT.
2042	PT Sta 1595+64.92	1096452.659	2511063.487	1595+64.82, 132.77' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-12 DATA  
 2084 PI STA. = 55+89.05  
 Δ = 6° 36' 18" (RT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 57.70'  
 L = 115.28'  
 E = 1.66'  
 2083 P.R.C. STA. = 55+31.34  
 2085 P.R.C. STA. = 56+46.62

**CURVE-12**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2083	PRC Sta 55+31.34	1103472.269	2500880.940	54+31.89, 123.54' LT.
2084	PI Sta 55+89.05	1103501.715	2500831.315	54+90.00, 125.49' LT.
2085	PRC Sta 56+46.62	1103536.674	2500785.406	55+47.93, 120.59' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-6 DATA  
 2044 PI STA. = 1600+47.51  
 Δ = 0° 46' 10" (LT)  
 D = 1° 08' 45"  
 R = 5,000.00'  
 T = 33.58'  
 L = 67.16'  
 E = 0.11'  
 2043 P.C. STA. = 1600+13.93  
 2045 P.R.C. STA. = 1600+81.09

**CURVE-6**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2043	PC Sta 1600+13.93	1096683.010	2510678.070	1600+13.79, 138.55' LT.
2044	PI Sta 1600+47.51	1096700.237	2510649.246	1600+47.37, 138.98' LT.
2045	PRC Sta 1600+81.09	1096717.075	2510620.194	1600+80.93, 139.86' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-13 DATA  
 2086 PI STA. = 56+87.91  
 Δ = 4° 43' 43" (LT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 41.29'  
 L = 82.53'  
 E = 0.85'  
 2085 P.R.C. STA. = 56+46.62  
 2087 P.T. STA. = 57+29.15

**CURVE-13**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2085	PRC Sta 56+46.62	1103536.674	2500785.406	55+47.93, 120.59' LT.
2086	PI Sta 56+87.91	1103561.688	2500752.556	55+89.36, 116.96' LT.
2087	PT Sta 57+29.15	1103583.909	2500717.756	56+30.95, 116.63' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-7 DATA  
 2046 PI STA. = 1601+04.11  
 Δ = 0° 31' 40" (RT)  
 D = 1° 08' 45"  
 R = 5,000.00'  
 T = 23.02'  
 L = 46.05'  
 E = 0.05'  
 2045 P.R.C. STA. = 1600+81.09  
 2047 P.T. STA. = 1601+27.13

**CURVE-7**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2045	PRC Sta 1600+81.09	1096717.075	2510620.194	1595+64.82, 132.77' LT.
2046	PI Sta 1601+04.11	1096728.620	2510600.274	1601+03.95, 140.47' LT.
2047	PT Sta 1601+27.13	1096740.348	2510580.462	1601+26.97, 140.86' LT.

PROP. B BIKE PATH EMBANKMENT  
 CURVE-14 DATA  
 2089 PI STA. = 60+64.32  
 Δ = 7° 22' 13" (LT)  
 D = 11° 27' 33"  
 R = 500.00'  
 T = 32.20'  
 L = 64.32'  
 E = 1.04'  
 2088 P.C. STA. = 60+32.12  
 2090 P.T. STA. = 60+96.44

**CURVE-14**

POINT NUMBER	STATION	NORTHING	EASTING	MAINLINE (IL RTE. 29) STATION AND OFFSET
2088	PC Sta 60+32.12	1103746.959	2500462.408	59+35.98, 111.01' LT.
2089	PI Sta 60+64.32	1103764.290	2500435.266	59+68.16, 110.10' LT.
2090	PRC Sta 60.96.44	1103777.996	2500406.126	59+99.98, 113.38' LT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## REFERENCE TIES BIKE PATH & COORDINATE DATA

SCALE: N.T.S.  
 DATE: 03/06/2012

DRAWN BY: R.A.H.  
 CHECKED BY: J.M.M.