

CURVE PRFRW-1

P.I. STATION 6004+84.50 N 1,722,753.10 E 1,022,218.86
 DELTA = 33° 02' 16.29" (RT)
 DEGREE = 6° 17' 21.58"
 TANGENT = 270.18'
 LENGTH = 525.30'
 RADIUS = 911.00'
 EXTERNAL = 39.22'
 LONG CHORD = 518.05'
 MID. ORD. = 37.60'
 P.C. STATION 6002+14.32 N 1,722,501.43 E 1,022,317.14
 P.T. STATION 6007+39.62 N 1,723,017.65 E 1,022,273.68
 C.C. N 1,722,832.81 E 1,023,165.73

CURVE PRRAMPD-1

P.I. STATION 3995+27.20 N 1,722,752.05 E 1,022,206.39
 DELTA = 33° 02' 16.29" (LT)
 DEGREE = 6° 12' 27.22"
 TANGENT = 273.74'
 LENGTH = 532.22'
 RADIUS = 923.00'
 EXTERNAL = 39.74'
 LONG CHORD = 524.88'
 MID. ORD. = 38.10'
 P.C. STATION 3992+53.46 N 1,723,020.09 E 1,022,261.93
 P.T. STATION 3997+85.68 N 1,722,497.06 E 1,022,305.96
 C.C. N 1,722,832.81 E 1,023,165.73

CURVE PRFRW-2

P.I. STATION 6022+25.25 N 1,724,472.38 E 1,022,575.12
 DELTA = 13° 16' 51.39" (LT)
 DEGREE = 0° 42' 58.31"
 TANGENT = 931.36'
 LENGTH = 1,854.37'
 RADIUS = 8,000.00'
 EXTERNAL = 54.03'
 LONG CHORD = 1,850.22'
 MID. ORD. = 53.67'
 P.C. STATION 6012+93.89 N 1,723,560.39 E 1,022,386.14
 P.T. STATION 6031+48.26 N 1,725,403.39 E 1,022,549.53
 C.C. N 1,725,183.61 E 1,014,552.55

CURVE PRRAMPD-2

P.I. STATION 4008+27.72 N 1,721,526.41 E 1,022,685.01
 DELTA = 18° 36' 40.15" (RT)
 DEGREE = 6° 51' 42.37"
 TANGENT = 136.82'
 LENGTH = 271.23'
 RADIUS = 835.00'
 EXTERNAL = 11.14'
 LONG CHORD = 270.04'
 MID. ORD. = 10.99'
 P.C. STATION 4006+90.90 N 1,721,653.86 E 1,022,635.24
 P.T. STATION 4009+62.13 N 1,721,389.74 E 1,022,691.50
 C.C. N 1,721,350.12 E 1,021,857.44
 S.E. IN = STA. 4005+63 TO STA. 4007+55
 SE OUT = STA. 4008+34 TO STA. 4010+26

CURVE PRFRW-3

P.I. STATION 6063+95.59 N 1,728,649.49 E 1,022,460.32
 DELTA = 2° 26' 41.57" (LT)
 DEGREE = 0° 21' 21.15"
 TANGENT = 343.56'
 LENGTH = 687.01'
 RADIUS = 16,100.00'
 EXTERNAL = 3.67'
 LONG CHORD = 686.95'
 MID. ORD. = 3.66'
 P.C. STATION 6060+52.03 N 1,728,306.06 E 1,022,469.76
 P.T. STATION 6067+39.04 N 1,728,992.20 E 1,022,436.24
 C.C. N 1,727,863.77 E 1,006,375.83

CURVE I55CL-1

P.I. STATION 1100+69.57 N 1,729,078.27 E 1,022,555.65
 DELTA = 5° 56' 09.67" (LT)
 DEGREE = 0° 21' 11.92"
 TANGENT = 840.8100'
 LENGTH = 1,680.1155'
 RADIUS = 16,216.8500'
 EXTERNAL = 21.7825'
 LONG CHORD = 1,679.3642'
 MID. ORD. = 21.7533'
 P.C. STATION 1092+28.76 N 1,728,237.79 E 1,022,579.17
 P.R.C. STATION 1109+08.88 N 1,729,911.82 E 1,022,445.34
 C.C. N 1,727,784.1697 E 1,006,368.6671

CURVE PRFRW-4

P.I. STATION 6069+92.58 N 1,729,245.12 E 1,022,418.47
 DELTA = 33° 35' 03.25" (LT)
 DEGREE = 6° 49' 10.03"
 TANGENT = 253.54'
 LENGTH = 492.48'
 RADIUS = 840.18'
 EXTERNAL = 37.42'
 LONG CHORD = 485.46'
 MID. ORD. = 35.83'
 P.C. STATION 6067+39.04 N 1,728,992.20 E 1,022,436.24
 P.T. STATION 6072+31.52 N 1,729,445.98 E 1,022,263.76
 C.C. N 1,728,933.31 E 1,021,598.12

CURVE I55CL-2

P.I. STATION 1116+21.91 N 1,730,618.69 E 1,022,351.79
 DELTA = 5° 59' 50.91" (RT)
 DEGREE = 0° 25' 15.40"
 TANGENT = 713.0353'
 LENGTH = 1,424.7682'
 RADIUS = 13,611.2610'
 EXTERNAL = 18.6636'
 LONG CHORD = 1,424.1178'
 MID. ORD. = 18.6381'
 P.C. STATION 1109+08.88 N 1,729,911.82 E 1,022,445.34
 P.R.C. STATION 1123+33.64 N 1,731,331.47 E 1,022,332.61
 C.C. N 1,731,697.6112 E 1,035,938.9424

McDonough Associates Inc.
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 180 East Randolph Street Chicago, Illinois 60601

FILE NAME = D:\6071-SHT-ATB02.dgn	USER NAME = TKLuagel	DESIGNED - TRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES, AND BENCHMARKS				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TRK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	55	99-2HB-2-R	WILL	171	15
		CHECKED - DLT	REVISED -						CONTRACT NO. 60F71				
		DATE - 03/20/09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

FINAL