

I-355

Point 400 N 1,915,725.1232 E 1,064,665.5910 Sta 0+00.00

Course from 400 to PC E_WILL-1 N 0° 46' 21.99" E Dist 2,848.3052

Curve Data

Curve E_WILL-1
 P.I. Station 29+43.48 N 1,918,668.3335 E 1,064,705.2898
 Delta = 0° 38' 29.48" (LT)
 Degree = 0° 20' 13.32"
 Tangent = 95.1728
 Length = 190.3435
 Radius = 17,000.0000
 External = 0.2664
 Long Chord = 190.3425
 Mid. Ord. = 0.2664
 P.C. Station 28+48.31 N 1,918,573.1694 E 1,064,704.0062
 P.T. Station 30+38.65 N 1,918,763.5060 E 1,064,705.5079
 C.C. N 1,918,802.4491 E 1,047,705.5525
 Back = N 0° 46' 21.99" E
 Ahead = N 0° 07' 52.51" E
 Chord Bear = N 0° 27' 07.25" E

Course from PT E_WILL-1 to PC E_WILL-2 N 0° 07' 52.51" E Dist 1,232.4496

Curve Data

Curve E_WILL-2
 P.I. Station 44+20.21 N 1,920,145.0607 E 1,064,708.6727
 Delta = 0° 21' 48.76" (RT)
 Degree = 0° 07' 18.86"
 Tangent = 149.1088
 Length = 298.2166
 Radius = 47,000.0000
 External = 0.2365
 Long Chord = 298.2161
 Mid. Ord. = 0.2365
 P.C. Station 42+71.10 N 1,919,995.9523 E 1,064,708.3311
 P.T. Station 45+69.31 N 1,920,294.1640 E 1,064,709.9604
 C.C. N 1,919,888.2860 E 1,111,708.2078
 Back = N 0° 07' 52.51" E
 Ahead = N 0° 29' 41.26" E
 Chord Bear = N 0° 18' 46.88" E

Course from PT E_WILL-2 to PC E_WILL-3 N 0° 29' 41.26" E Dist 1,721.3610

Curve Data

Curve E_WILL-3
 P.I. Station 63+40.68 N 1,922,065.4633 E 1,064,725.2573
 Delta = 0° 10' 44.63" (LT)
 Degree = 0° 10' 44.58"
 Tangent = 50.0044
 Length = 100.0087
 Radius = 32,000.0000
 External = 0.0391
 Long Chord = 100.0087
 Mid. Ord. = 0.0391
 P.C. Station 62+90.68 N 1,922,015.4608 E 1,064,724.8255
 P.T. Station 63+90.68 N 1,922,115.4670 E 1,064,725.5329
 C.C. N 1,922,291.8032 E 1,032,726.0187
 Back = N 0° 29' 41.26" E
 Ahead = N 0° 18' 56.63" E
 Chord Bear = N 0° 24' 18.95" E

Course from PT E_WILL-3 to PC E_WILL-4 N 0° 18' 56.63" E Dist 1,043.5550

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Curve Data

Curve E_WILL-4
 P.I. Station 86+62.31 N 1,924,387.0546 E 1,064,738.0507
 Delta = 46° 43' 29.96" (RT)
 Degree = 2° 00' 55.18"
 Tangent = 1,228.0671
 Length = 2,318.4805
 Radius = 2,843.0000
 External = 253.9013
 Long Chord = 2,254.7666
 Mid. Ord. = 233.0851
 P.C. Station 74+34.24 N 1,923,159.0061 E 1,064,731.2834
 P.T. Station 97+52.72 N 1,925,223.9558 E 1,065,636.7971
 C.C. N 1,923,143.3398 E 1,067,574.2402
 Back = N 0° 18' 56.63" E
 Ahead = N 47° 02' 26.59" E
 Chord Bear = N 23° 40' 41.61" E

Course from PT E_WILL-4 to PC E_WILL-5 N 47° 02' 26.59" E Dist 1,617.2363

Curve Data

Curve E_WILL-5
 P.I. Station 125+09.95 N 1,927,102.9471 E 1,067,654.6419
 Delta = 42° 39' 07.75" (LT)
 Degree = 1° 57' 43.86"
 Tangent = 1,139.9917
 Length = 2,173.7078
 Radius = 2,920.0000
 External = 214.6421
 Long Chord = 2,123.8633
 Mid. Ord. = 199.9446
 P.C. Station 113+69.96 N 1,926,326.0674 E 1,066,820.3525
 P.T. Station 135+43.66 N 1,928,239.5964 E 1,067,741.8742
 C.C. N 1,928,463.0350 E 1,064,830.4355
 Back = N 47° 02' 26.59" E
 Ahead = N 4° 23' 18.84" E
 Chord Bear = N 25° 42' 52.72" E

Course from PT E_WILL-5 to 401 N 4° 23' 18.84" E Dist 870.4268

Point 401 N 1,929,107.4711 E 1,067,808.4793 Sta 144+14.09

Course from 401 to PC E_WILL-6 N 4° 10' 13.45" E Dist 912.0317

Curve Data

Curve E_WILL-6
 P.I. Station 154+83.23 N 1,930,173.7580 E 1,067,886.5358
 Delta = 0° 44' 49.25" (RT)
 Degree = 0° 14' 15.87"
 Tangent = 157.1086
 Length = 314.2127
 Radius = 24,100.0000
 External = 0.5121
 Long Chord = 314.2105
 Mid. Ord. = 0.5121
 P.C. Station 153+26.12 N 1,930,017.0880 E 1,067,874.8050
 P.T. Station 156+40.34 N 1,930,330.2617 E 1,067,900.3082
 C.C. N 1,928,217.6155 E 1,091,907.5306
 Back = N 4° 16' 55.50" E
 Ahead = N 5° 01' 44.76" E
 Chord Bear = N 4° 39' 20.13" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-355 CURVE DATA				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exaln_abc\d1.395_ML_Data\exaln_30.dgn	DRAWN - TMB	REVISED -			* 22(1, 1-1, 2&3)RS-7	DUPAGE	546	47					
USER NAME = jmejewski	CHECKED - JMM	REVISED -			*290,355	CONTRACT NO. 60G51							
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT							
			SCALE: N.T.S.	SHEET NO. 22 OF 44 SHEETS	STA.	TO STA.							