

**RAMP E\_20-355\_C**

Point 1085 N 1,929,521.2854 E 1,067,921.9126 Sta 0+00.00

Course from 1085 to 1086 S 3° 14' 49.94" W Dist 415.9658

Point 1086 N 1,929,105.9875 E 1,067,898.3506 Sta 4+15.97

Course from 1086 to PC E 20-355 C-1 S 2° 14' 19.58" W Dist 259.5299

Curve Data

Curve E 20-355 C-1

P.I. Station 7+89.04 N 1,928,733.1942 E 1,067,883.7766  
 Delta = 12°38' 33.91" (LT)  
 Degree = 5° 35' 23.40"  
 Tangent = 113.5481  
 Length = 226.1741  
 Radius = 1,025.0000  
 External = 6.2702  
 Long Chord = 225.7155  
 Mid. Ord. = 6.2321  
 P.C. Station 6+75.50 N 1,928,846.6556 E 1,067,888.2123  
 P.T. Station 9+01.67 N 1,928,621.5129 E 1,067,904.2820  
 C.C. N 1,928,806.6150 E 1,068,912.4299  
 Back = S 2° 14' 19.58" W  
 Ahead = S 10° 24' 14.33" E  
 Chord Bear = S 4° 04' 57.37" E

Course from PT E 20-355 C-1 to PC E 20-355 C-2 S 10° 24' 14.33" E Dist 99.1826

Curve Data

Curve E 20-355 C-2

P.I. Station 10+74.59 N 1,928,451.4336 E 1,067,935.5096  
 Delta = 4° 22' 50.21" (LT)  
 Degree = 2° 58' 18.38"  
 Tangent = 73.7397  
 Length = 147.4075  
 Radius = 1,928.0000  
 External = 1.4096  
 Long Chord = 147.3716  
 Mid. Ord. = 1.4086  
 P.C. Station 10+00.85 N 1,928,523.9609 E 1,067,922.1931  
 P.T. Station 11+48.26 N 1,928,380.1353 E 1,067,954.3269  
 C.C. N 1,928,872.1335 E 1,069,818.4948  
 Back = S 10° 24' 14.33" E  
 Ahead = S 14° 47' 04.54" E  
 Chord Bear = S 12° 35' 39.43" E

Curve Data

Curve E 20-355 C-3

P.I. Station 17+48.06 N 1,927,800.1952 E 1,068,107.3869  
 Delta = 35° 04' 29.04" (LT)  
 Degree = 3° 01' 07.48"  
 Tangent = 599.7983  
 Length = 1,161.8979  
 Radius = 1,898.0000  
 External = 92.5180  
 Long Chord = 1,143.8400  
 Mid. Ord. = 88.2178  
 P.C. Station 11+48.26 N 1,928,380.1353 E 1,067,954.3269  
 P.T. Station 23+10.16 N 1,927,413.5253 E 1,068,565.9110  
 C.C. N 1,928,864.4779 E 1,069,789.4880  
 Back = S 14° 47' 04.54" E  
 Ahead = S 49° 51' 33.58" E  
 Chord Bear = S 32° 19' 19.06" E

**RAMP E\_20-355\_C**

Curve Data

Curve E 20-355 C-4

P.I. Station 25+38.27 N 1,927,266.4673 E 1,068,740.2967  
 Delta = 9°50' 23.68" (LT)  
 Degree = 2° 09' 43.58"  
 Tangent = 228.1149  
 Length = 455.1079  
 Radius = 2,650.0000  
 External = 9.8001  
 Long Chord = 454.5488  
 Mid. Ord. = 9.7640  
 P.C. Station 23+10.16 N 1,927,413.5253 E 1,068,565.9110  
 P.T. Station 27+65.27 N 1,927,151.3744 E 1,068,937.2485  
 C.C. N 1,929,439.3548 E 1,070,274.2772  
 Back = S 49° 51' 33.58" E  
 Ahead = S 59° 41' 57.25" E  
 Chord Bear = S 54° 46' 45.41" E

Course from PT E 20-355 C-4 to 1087 S 59° 41' 57.25" E Dist 412.3716

Point 1087 N 1,926,943.3168 E 1,069,293.2855 Sta 31+77.64

**RAMP E\_20-355\_E**

Curve Data

Curve E 20-355 E-1

P.I. Station 2+60.56 N 1,927,000.3370 E 1,067,499.7450  
 Delta = 27°07' 39.35" (RT)  
 Degree = 5° 18' 18.59"  
 Tangent = 260.5573  
 Length = 511.3431  
 Radius = 1,080.0000  
 External = 30.9861  
 Long Chord = 506.5803  
 Mid. Ord. = 30.1219  
 P.C. Station 0+00.00 N 1,926,793.8137 E 1,067,340.8796  
 P.T. Station 5+11.34 N 1,927,111.7030 E 1,067,735.3034  
 C.C. N 1,926,135.3227 E 1,068,196.9109  
 Back = N 37° 34' 07.76" E  
 Ahead = N 64° 41' 47.10" E  
 Chord Bear = N 51° 07' 57.43" E

Curve Data

Curve E 20-355 E-2

P.I. Station 5+56.36 N 1,927,130.9431 E 1,067,775.9997  
 Delta = 3° 39' 25.84" (RT)  
 Degree = 4° 03' 48.71"  
 Tangent = 45.0153  
 Length = 90.0000  
 Radius = 1,410.0000  
 External = 0.7184  
 Long Chord = 89.9847  
 Mid. Ord. = 0.7180  
 P.C. Station 5+11.34 N 1,927,111.7030 E 1,067,735.3034  
 P.T. Station 6+01.34 N 1,927,147.5483 E 1,067,817.8404  
 C.C. N 1,925,836.9842 E 1,068,337.9577  
 Back = N 64° 41' 47.10" E  
 Ahead = N 68° 21' 12.94" E  
 Chord Bear = N 66° 31' 30.02" E

Curve Data

Curve E 20-355 E-3

P.I. Station 11+35.37 N 1,927,344.5387 E 1,068,314.2067  
 Delta = 50° 51' 55.92" (RT)  
 Degree = 5° 06' 07.30"  
 Tangent = 534.0269  
 Length = 996.9669  
 Radius = 1,123.0000  
 External = 120.5086  
 Long Chord = 964.5485  
 Mid. Ord. = 108.8301  
 P.C. Station 6+01.34 N 1,927,147.5483 E 1,067,817.8404  
 P.T. Station 15+98.31 N 1,927,083.8530 E 1,068,780.2835  
 C.C. N 1,926,103.7444 E 1,068,232.0898  
 Back = N 68° 21' 12.94" E  
 Ahead = S 60° 46' 51.14" E  
 Chord Bear = S 86° 12' 49.10" E

Course from PT E 20-355 E-3 to 1066 S 60° 46' 51.14" E Dist 1,060.2792

Point 1066 N 1,926,566.2765 E 1,069,705.6518 Sta 26+58.59

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-355 CURVE DATA</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exaln-ABC.C1.355.R.Data.exalign.39.dgn	DRAWN - TMB	REVISED -				•	22(1, 1-1, 2&3)RS-7	DUPAGE	546	56
USER NAME = jmajewski	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. 31 OF 44 SHEETS		STA.		TO STA.