

RAMP E_20-355_B

Point 1080 N 1,932,051.7623 E 1,068,024.0565 Sta 0+00.00

Course from 1080 to PC E 20-355 B-1 S 8° 42' 53.70" W Dist 2,834.8420

Curve Data

Curve E 20-355 B-1
 P.I. Station 31+16.10 N 1,928,971.6427 E 1,067,551.9113
 Delta = 14°47' 24.50" (LT)
 Degree = 2° 38' 38.45"
 Tangent = 281.2546
 Length = 559.3821
 Radius = 2,167.0000
 External = 18.1758
 Long Chord = 557.8303
 Mid. Ord. = 18.0246
 P.C. Station 28+34.84 N 1,929,249.6501 E 1,067,594.5264
 P.T. Station 33+94.22 N 1,928,691.9678 E 1,067,581.6776
 C.C. N 1,928,921.3102 E 1,069,736.5073
 Back = S 8° 42' 53.70" W
 Ahead = S 6° 04' 30.80" E
 Chord Bear = S 1° 19' 11.45" W

Curve Data

Curve E 20-355 B-2
 P.I. Station 34+25.84 N 1,928,660.5299 E 1,067,585.0235
 Delta = 3° 37' 17.94" (LT)
 Degree = 5° 43' 46.48"
 Tangent = 31.6154
 Length = 63.2097
 Radius = 1,000.0000
 External = 0.4996
 Long Chord = 63.1992
 Mid. Ord. = 0.4994
 P.C. Station 33+94.22 N 1,928,691.9678 E 1,067,581.6776
 P.T. Station 34+57.43 N 1,928,629.3662 E 1,067,590.3487
 C.C. N 1,928,797.8018 E 1,068,576.0614
 Back = S 6° 04' 30.80" E
 Ahead = S 9° 41' 48.74" E
 Chord Bear = S 7° 53' 09.77" E

Curve Data

Curve E 20-355 B-3
 P.I. Station 36+14.18 N 1,928,474.8583 E 1,067,616.7506
 Delta = 7° 57' 58.18" (LT)
 Degree = 2° 32' 42.66"
 Tangent = 156.7475
 Length = 312.9898
 Radius = 2,251.1460
 External = 5.4506
 Long Chord = 312.7377
 Mid. Ord. = 5.4374
 P.C. Station 34+57.43 N 1,928,629.3662 E 1,067,590.3487
 P.T. Station 37+70.42 N 1,928,325.5003 E 1,067,664.3106
 C.C. N 1,929,008.5393 E 1,069,809.3318
 Back = S 9° 41' 48.74" E
 Ahead = S 17° 39' 46.92" E
 Chord Bear = S 13° 40' 47.83" E

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Curve Data

Curve E 20-355 B-4
 P.I. Station 39+81.93 N 1,928,123.9610 E 1,067,728.4868
 Delta = 14°42' 23.70" (LT)
 Degree = 3° 29' 44.80"
 Tangent = 211.5104
 Length = 420.6957
 Radius = 1,639.0000
 External = 13.5912
 Long Chord = 419.5418
 Mid. Ord. = 13.4794
 P.C. Station 37+70.42 N 1,928,325.5003 E 1,067,664.3106
 P.T. Station 41+91.12 N 1,927,945.3168 E 1,067,841.7250
 C.C. N 1,928,822.8030 E 1,069,226.0440
 Back = S 17° 39' 46.92" E
 Ahead = S 32° 22' 10.62" E
 Chord Bear = S 25° 00' 58.77" E

Curve Data

Curve E 20-355 B-5
 P.I. Station 42+76.72 N 1,927,873.0191 E 1,067,887.5528
 Delta = 2° 23' 31.44" (LT)
 Degree = 1° 23' 50.85"
 Tangent = 85.5988
 Length = 171.1727
 Radius = 4,100.0000
 External = 0.8935
 Long Chord = 171.1602
 Mid. Ord. = 0.8933
 P.C. Station 41+91.12 N 1,927,945.3168 E 1,067,841.7250
 P.T. Station 43+62.29 N 1,927,802.6971 E 1,067,936.3581
 C.C. N 1,930,140.3707 E 1,071,304.6340
 Back = S 32° 22' 10.62" E
 Ahead = S 34° 45' 42.06" E
 Chord Bear = S 33° 33' 56.34" E

Curve Data

Curve E 20-355 B-6
 P.I. Station 47+57.31 N 1,927,478.1785 E 1,068,161.5827
 Delta = 25° 26' 22.99" (LT)
 Degree = 3° 16' 26.56"
 Tangent = 395.0170
 Length = 777.0120
 Radius = 1,750.0000
 External = 44.0285
 Long Chord = 770.6452
 Mid. Ord. = 42.9480
 P.C. Station 43+62.29 N 1,927,802.6971 E 1,067,936.3581
 P.T. Station 51+39.30 N 1,927,281.8737 E 1,068,504.3696
 C.C. N 1,928,800.4846 E 1,069,374.0368
 Back = S 34° 45' 42.06" E
 Ahead = S 60° 12' 05.05" E
 Chord Bear = S 47° 28' 53.56" E

Course from PT E 20-355 B-6 to 1081 S 60° 12' 05.05" E Dist 199.1668

Point 1081 N 1,927,182.8972 E 1,068,677.2021 Sta 53+38.47

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.
...\\exph_RBC\01_355_R_Data\exalign_38.dgn	DRAWN - TMB	REVISED -				* 2201, 1-1, 2&3RS-7	DUPAGE	546	55	
USER NAME = jmajewaki	CHECKED - JMM	REVISED -				*290,355	CONTRACT NO. 60651			
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
SCALE: N.T.S.						SHEET NO. 30 OF 44 SHEETS		STA.	TO STA.	