

RAMP E_R83_B

Curve Data

Curve E R83 B-1
 P.I. Station = 1+82.12 N 1,916,598.2100 E 1,083,460.4590
 Delta = 48° 57' 32.15" (RT)
 Degree = 14° 19' 26.20"
 Tangent = 182.1174
 Length = 341.7978
 Radius = 400.0000
 External = 39.5074
 Long Chord = 331.4937
 Mid. Ord. = 35.9561
 P.C. Station = 0+00.00 N 1,916,569.6696 E 1,083,640.3261
 P.T. Station = 3+41.80 N 1,916,752.6125 E 1,083,363.8845
 C.C. = N 1,916,964.7272 E 1,083,703.0118
 Back = N 80° 59' 01.57" W
 Ahead = N 32° 01' 29.42" W
 Chord Bear = N 56° 30' 15.50" W

Curve Data

Curve E R83 B-2
 P.I. Station = 4+35.17 N 1,916,832.2633 E 1,083,315.1672
 Delta = 36° 15' 39.87" (RT)
 Degree = 20° 05' 36.64"
 Tangent = 93.3682
 Length = 180.4616
 Radius = 285.1457
 External = 14.8971
 Long Chord = 177.4650
 Mid. Ord. = 14.1575
 P.C. Station = 3+41.80 N 1,916,752.6125 E 1,083,363.8845
 P.T. Station = 5+22.26 N 1,916,925.3027 E 1,083,322.9957
 C.C. = N 1,916,901.3945 E 1,083,607.1374
 Back = N 31° 27' 05.16" W
 Ahead = N 4° 48' 34.70" E
 Chord Bear = N 13° 19' 15.23" W

Curve Data

Curve E R83 B-3
 P.I. Station = 8+71.08 N 1,917,270.2950 E 1,083,374.5578
 Delta = 112° 17' 26.19" (RT)
 Degree = 24° 29' 07.35"
 Tangent = 348.8242
 Length = 458.6028
 Radius = 234.0000
 External = 186.0409
 Long Chord = 388.6520
 Mid. Ord. = 103.6413
 P.C. Station = 5+22.26 N 1,916,925.3027 E 1,083,322.9957
 P.T. Station = 9+80.86 N 1,917,091.7289 E 1,083,674.2118
 C.C. = N 1,916,890.7136 E 1,083,554.4252
 Back = N 8° 30' 01.55" E
 Ahead = S 59° 12' 32.27" E
 Chord Bear = N 64° 38' 44.64" E

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Curve Data

Curve E R83 B-4
 P.I. Station = 10+67.40 N 1,917,047.4286 E 1,083,748.5527
 Delta = 20° 11' 35.10" (RT)
 Degree = 11° 47' 21.32"
 Tangent = 86.5395
 Length = 171.2838
 Radius = 486.0000
 External = 7.6447
 Long Chord = 170.3987
 Mid. Ord. = 7.5263
 P.C. Station = 9+80.86 N 1,917,091.7289 E 1,083,674.2118
 P.T. Station = 11+52.15 N 1,916,980.1899 E 1,083,803.0324
 C.C. = N 1,916,674.2355 E 1,083,425.4243
 Back = S 59° 12' 32.27" E
 Ahead = S 39° 00' 57.17" E
 Chord Bear = S 49° 06' 44.72" E

Curve Data

Curve E R83 B-5
 P.I. Station = 12+75.98 N 1,916,883.9722 E 1,083,880.9921
 Delta = 35° 34' 28.63" (RT)
 Degree = 14° 50' 36.48"
 Tangent = 123.8367
 Length = 239.6652
 Radius = 386.0000
 External = 19.3783
 Long Chord = 235.8340
 Mid. Ord. = 18.4519
 P.C. Station = 11+52.15 N 1,916,980.1899 E 1,083,803.0324
 P.T. Station = 13+91.81 N 1,916,760.3588 E 1,083,888.4254
 C.C. = N 1,916,737.1891 E 1,083,503.1214
 Back = S 39° 00' 57.17" E
 Ahead = S 3° 26' 28.53" E
 Chord Bear = S 21° 13' 42.85" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \exp\h_ABC\C1.290_R_Data_exo\lign_48.dgn	DRAWN - TMB	REVISED -					*	22(1, 1-1, 2&3)RS-7		546	63
USER NAME = jmajewski	CHECKED - JMM	REVISED -			*290,355		CONTRACT NO. 60G51				
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S. SHEET NO. 38 OF 44 SHEETS STA. TO STA.		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				