

RAMP E_R83_D

Curve Data

Curve E R83 D-1
 P.I. Station = 0+58.05 N 1,916,412.7250 E 1,083,611.1727
 Delta = 27° 53' 42.38" (LT)
 Degree = 24° 30' 48.24"
 Tangent = 58.0489
 Length = 113.7953
 Radius = 233.7325
 External = 7.1005
 Long Chord = 112.6748
 Mid. Ord. = 6.8912
 P.C. Station = 0+00.00 N 1,916,408.3813 E 1,083,669.0588
 P.T. Station = 1+13.80 N 1,916,389.4816 E 1,083,557.9805
 C.C. = N 1,916,175.3041 E 1,083,651.5692
 Back = N 85° 42' 31.27" W
 Ahead = S 66° 23' 46.35" W
 Chord Bear = S 80° 20' 37.54" W

Curve Data

Curve E R83 D-2
 P.I. Station = 3+78.02 N 1,916,280.7595 E 1,083,317.1554
 Delta = 97° 55' 25.52" (LT)
 Degree = 24° 54' 40.35"
 Tangent = 264.2295
 Length = 393.0911
 Radius = 230.0000
 External = 120.3102
 Long Chord = 346.9655
 Mid. Ord. = 78.9910
 P.C. Station = 1+13.80 N 1,916,389.4816 E 1,083,557.9805
 P.T. Station = 5+06.89 N 1,916,057.2217 E 1,083,458.0384
 C.C. = N 1,916,179.8541 E 1,083,652.6182
 Back = S 65° 42' 10.38" W
 Ahead = S 32° 13' 15.13" E
 Chord Bear = S 16° 44' 27.62" W

Curve Data

Curve E R83 D-3
 P.I. Station = 7+71.12 N 1,915,833.6838 E 1,083,598.9215
 Delta = 97° 55' 25.52" (LT)
 Degree = 24° 54' 40.35"
 Tangent = 264.2295
 Length = 393.0911
 Radius = 230.0000
 External = 120.3102
 Long Chord = 346.9655
 Mid. Ord. = 78.9910
 P.C. Station = 5+06.89 N 1,916,057.2217 E 1,083,458.0384
 P.T. Station = 8+99.98 N 1,916,004.0376 E 1,083,800.9036
 C.C. = N 1,916,179.8541 E 1,083,652.6182
 Back = S 32° 13' 15.13" E
 Ahead = N 49° 51' 19.35" E
 Chord Bear = S 81° 10' 57.89" E

RAMP E_R83_D

Curve Data

Curve E R83 D-4
 P.I. Station = 9+70.75 N 1,916,050.2903 E 1,083,854.4696
 Delta = 23° 1' 17.98" (LT)
 Degree = 16° 36' 35.41"
 Tangent = 70.7716
 Length = 139.6060
 Radius = 344.9509
 External = 7.1851
 Long Chord = 138.6552
 Mid. Ord. = 7.0385
 P.C. Station = 8+99.98 N 1,916,004.0376 E 1,083,800.9036
 P.T. Station = 10+39.58 N 1,916,113.8984 E 1,083,885.4961
 C.C. = N 1,916,265.1257 E 1,083,575.4615
 Back = N 49° 11' 25.16" E
 Ahead = N 26° 00' 07.18" E
 Chord Bear = N 37° 35' 46.17" E

Curve Data

Curve E R83 D-5
 P.I. Station = 10+96.13 N 1,916,164.7253 E 1,083,910.2882
 Delta = 26° 31' 02.83" (LT)
 Degree = 23° 52' 23.67"
 Tangent = 56.5511
 Length = 111.0761
 Radius = 240.0000
 External = 6.5726
 Long Chord = 110.0874
 Mid. Ord. = 6.3974
 P.C. Station = 10+39.58 N 1,916,113.8984 E 1,083,885.4961
 P.T. Station = 11+50.66 N 1,916,221.2741 E 1,083,909.7794
 C.C. = N 1,916,219.1150 E 1,083,669.7892
 Back = N 26° 00' 07.18" E
 Ahead = N 0° 30' 55.65" W
 Chord Bear = N 12° 44' 35.77" 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.
...\\expln_abc-cl-290_r_data_exalign_50.dgn	DRAWN - TMB	REVISED -			* 221, I-1, 2&3RS-7	DUPAGE	546	65					
USER NAME = jrejewski	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. 40 OF 44 SHEETS	STA.	TO STA.					