

RAMP E_R83_G

Curve Data

Curve E R83 G-1
 P.I. Station = 1+18.90 N 1,916,464.1040 E 1,084,443.6654
 Delta = 56° 46' 42.04" (LT)
 Degree = 26° 02' 36.73"
 Tangent = 118.8998
 Length = 218.0132
 Radius = 220.0000
 External = 30.0743
 Long Chord = 209.2015
 Mid. Ord. = 26.4575
 P.C. Station = 0+00.00 N 1,916,477.4454 E 1,084,325.5165
 P.T. Station = 2+18.01 N 1,916,555.6328 E 1,084,519.5577
 C.C. = N 1,916,696.0560 E 1,084,350.2020
 Back = S 83° 33' 26.76" E
 Ahead = N 39° 39' 51.19" E
 Chord Bear = N 68° 03' 12.22" E

Curve Data

Curve E R83 G-2
 P.I. Station = 2+36.88 N 1,916,570.1587 E 1,084,531.6019
 Delta = 7° 11' 53.53" (LT)
 Degree = 19° 05' 54.94"
 Tangent = 18.8697
 Length = 37.6897
 Radius = 300.0000
 External = 0.5929
 Long Chord = 37.6649
 Mid. Ord. = 0.5917
 P.C. Station = 2+18.01 N 1,916,555.6328 E 1,084,519.5577
 P.T. Station = 2+55.70 N 1,916,586.0792 E 1,084,541.7312
 C.C. = N 1,916,747.1190 E 1,084,288.6182
 Back = N 39° 39' 51.19" E
 Ahead = N 32° 27' 57.66" E
 Chord Bear = N 36° 03' 54.43" E

Curve Data

Curve E R83 G-3
 P.I. Station = 5+18.61 N 1,916,807.8998 E 1,084,682.8616
 Delta = 98° 38' 05.51" (LT)
 Degree = 25° 21' 07.62"
 Tangent = 262.9110
 Length = 389.0597
 Radius = 226.0000
 External = 120.6961
 Long Chord = 342.7664
 Mid. Ord. = 78.6779
 P.C. Station = 2+55.70 N 1,916,586.0792 E 1,084,541.7312
 P.T. Station = 6+44.76 N 1,916,914.1271 E 1,084,442.3664
 C.C. = N 1,916,707.3959 E 1,084,351.0527
 Back = N 32° 27' 57.66" E
 Ahead = N 66° 10' 07.85" W
 Chord Bear = N 16° 51' 05.10" W

RAMP E_R83_G

Curve Data

Curve E R83 G-4
 P.I. Station = 7+95.84 N 1,916,975.1684 E 1,084,304.1709
 Delta = 65° 16' 53.10" (LT)
 Degree = 24° 17' 31.49"
 Tangent = 151.0763
 Length = 268.7354
 Radius = 235.8620
 External = 44.2361
 Long Chord = 254.4334
 Mid. Ord. = 37.2498
 P.C. Station = 6+44.76 N 1,916,914.1271 E 1,084,442.3664
 P.T. Station = 9+13.50 N 1,916,875.1605 E 1,084,190.9346
 C.C. = N 1,916,698.3747 E 1,084,347.0681
 Back = N 66° 10' 07.85" W
 Ahead = S 48° 32' 59.05" W
 Chord Bear = S 81° 11' 25.60" W

Curve Data

Curve E R83 G-5
 P.I. Station = 9+62.78 N 1,916,842.5404 E 1,084,153.9998
 Delta = 17° 30' 00.01" (LT)
 Degree = 17° 53' 45.70"
 Tangent = 49.2772
 Length = 97.7871
 Radius = 320.1592
 External = 3.7700
 Long Chord = 97.4074
 Mid. Ord. = 3.7262
 P.C. Station = 9+13.50 N 1,916,875.1605 E 1,084,190.9346
 P.T. Station = 10+11.29 N 1,916,800.3237 E 1,084,128.5835
 C.C. = N 1,916,635.1913 E 1,084,402.8703
 Back = S 48° 32' 59.05" W
 Ahead = S 31° 02' 59.04" W
 Chord Bear = S 39° 47' 59.05" W

Curve Data

Curve E R83 G-6
 P.I. Station = 10+98.44 N 1,916,725.6556 E 1,084,083.6301
 Delta = 32° 25' 49.15" (LT)
 Degree = 19° 07' 04.68"
 Tangent = 87.1557
 Length = 169.6327
 Radius = 299.6960
 External = 12.4159
 Long Chord = 167.3773
 Mid. Ord. = 11.9220
 P.C. Station = 10+11.29 N 1,916,800.3237 E 1,084,128.5835
 P.T. Station = 11+80.92 N 1,916,638.5252 E 1,084,085.7300
 C.C. = N 1,916,645.7459 E 1,084,385.3390
 Back = S 31° 02' 59.04" W
 Ahead = S 1° 22' 50.10" E
 Chord Bear = S 14° 50' 04.47" W

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\dl_290_R_Data\exalign_53.dgn	DRAWN - TMB	REVISED -			* 2201, 1-1, 2&3RS-7	DUPAGE	546	68			
USER NAME = jma_ewski	CHECKED - JMM	REVISED -			*290,355	CONTRACT NO. 60G51					
DATE = 11/13/2009	DATE = 10/16/09	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT				
			SCALE: N.T.S.	SHEET NO. 43 OF 44 SHEETS	STA.	TO STA.					