

RAMP E_R83_H

Curve Data

Curve E R83 H-1
 P.I. Station = 0+47.50 N 1,916,398.2392 E 1,084,959.2107
 Delta = 9° 01' 49.27" (RT)
 Degree = 9° 31' 31.96"
 Tangent = 47.4991
 Length = 94.8014
 Radius = 601.4961
 External = 1.8725
 Long Chord = 94.7033
 Mid. Ord. = 1.8667
 P.C. Station = 0+00.00 N 1,916,389.6891 E 1,085,005.9339
 P.T. Station = 0+94.80 N 1,916,414.0169 E 1,084,914.4086
 C.C. = N 1,916,981.3601 E 1,085,114.2064
 Back = N 79° 37' 47.75" W
 Ahead = N 70° 35' 58.48" W
 Chord Bear = N 75° 06' 53.12" W

Curve Data

Curve E R83 H-2
 P.I. Station = 2+73.78 N 1,916,473.4672 E 1,084,745.5943
 Delta = 52° 14' 30.28" (RT)
 Degree = 15° 41' 50.91"
 Tangent = 178.9766
 Length = 332.8035
 Radius = 365.0000
 External = 41.5189
 Long Chord = 321.3944
 Mid. Ord. = 37.2785
 P.C. Station = 0+94.80 N 1,916,414.0169 E 1,084,914.4086
 P.T. Station = 4+27.60 N 1,916,643.3353 E 1,084,689.2255
 C.C. = N 1,916,758.2923 E 1,085,035.6499
 Back = N 70° 35' 58.48" W
 Ahead = N 18° 21' 28.21" W
 Chord Bear = N 44° 28' 43.34" W

Course from PT E R83 H-2 to PC E R83 H-3 N 18° 21' 28.21" W Dist 170.0467

Curve Data

Curve E R83 H-3
 P.I. Station = 7+62.06 N 1,916,960.7676 E 1,084,583.8892
 Delta = 57° 26' 50.74" (LT)
 Degree = 19° 05' 54.94"
 Tangent = 164.4066
 Length = 300.7940
 Radius = 300.0000
 External = 42.0958
 Long Chord = 288.3519
 Mid. Ord. = 36.9158
 P.C. Station = 5+97.65 N 1,916,804.7280 E 1,084,635.6692
 P.T. Station = 8+98.45 N 1,917,001.0831 E 1,084,424.5022
 C.C. = N 1,916,710.2428 E 1,084,350.9367
 Back = N 18° 21' 28.21" W
 Ahead = N 75° 48' 18.94" W
 Chord Bear = N 47° 04' 53.57" W

Course from PT E R83 H-3 to PC E R83 H-4 N 75° 48' 18.94" W Dist 167.1146

RAMP E_R83_H

Curve Data

Curve E R83 H-4
 P.I. Station = 11+78.29 N 1,917,069.7061 E 1,084,153.2023
 Delta = 52° 13' 17.66" (RT)
 Degree = 24° 54' 40.35"
 Tangent = 112.7295
 Length = 209.6308
 Radius = 230.0000
 External = 26.1405
 Long Chord = 202.4498
 Mid. Ord. = 23.4727
 P.C. Station = 10+65.56 N 1,917,042.0627 E 1,084,262.4900
 P.T. Station = 12+75.19 N 1,917,173.0200 E 1,084,108.1006
 C.C. = N 1,917,265.0403 E 1,084,318.8902
 Back = N 75° 48' 18.94" W
 Ahead = N 23° 35' 01.29" W
 Chord Bear = N 49° 41' 40.12" W

Curve Data

Curve E R83 H-5
 P.I. Station = 13+65.20 N 1,917,255.5069 E 1,084,072.0909
 Delta = 18° 55' 07.88" (RT)
 Degree = 10° 36' 23.48"
 Tangent = 90.0043
 Length = 178.3700
 Radius = 540.1939
 External = 7.4467
 Long Chord = 177.5608
 Mid. Ord. = 7.3454
 P.C. Station = 12+75.19 N 1,917,173.0200 E 1,084,108.1006
 P.T. Station = 14+53.56 N 1,917,345.2130 E 1,084,064.7712
 C.C. = N 1,917,389.1452 E 1,084,603.1757
 Back = N 23° 35' 01.29" W
 Ahead = N 4° 39' 53.40" W
 Chord Bear = N 14° 07' 27.35" 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...Cl_290_R_Data...align_54.dgn	DRAWN - TMB	REVISED -			* 2201, 1-1, 2&3RS-7	DUPAGE	546	69				
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. 44 OF 44 SHEETS	STA.	TO STA.						