

RAMP E_ARMY_D

Point 1000 N 1,916,176.5757 E 1,064,771.8674 Sta 0+00.00
 Course from 1000 to 1001 N 3° 37' 15.45" E Dist 460.7867
 Point 1001 N 1,916,636.4425 E 1,064,800.9686 Sta 4+60.79
 Course from 1001 to PC E ARMY D-1 N 2° 12' 47.64" E Dist 59.9104

Curve Data

Curve E ARMY D-1
 P.I. Station 5+94.89 N 1,916,770.4473 E 1,064,806.1476
 Delta = 16° 12' 35.01" (RT)
 Degree = 10° 59' 50.17"
 Tangent = 74.1944
 Length = 147.3977
 Radius = 521.0000
 External = 5.2564
 Long Chord = 146.9066
 Mid. Ord. = 5.2039
 P.C. Station 5+20.70 N 1,916,696.3082 E 1,064,803.2823
 P.T. Station 6+68.09 N 1,916,840.8392 E 1,064,829.5952
 C.C. N 1,916,676.1880 E 1,065,323.8936
 Back = N 2° 12' 47.64" E
 Ahead = N 18° 25' 22.65" E
 Chord Bear = N 10° 19' 05.14" E

Curve Data

Curve E ARMY D-2
 P.I. Station 7+72.34 N 1,916,939.7442 E 1,064,862.5405
 Delta = 14° 28' 22.80" (RT)
 Degree = 6° 58' 43.61"
 Tangent = 104.2478
 Length = 207.3858
 Radius = 821.0000
 External = 6.5921
 Long Chord = 206.8349
 Mid. Ord. = 6.5395
 P.C. Station 6+68.09 N 1,916,840.8392 E 1,064,829.5952
 P.T. Station 8+75.48 N 1,917,027.2768 E 1,064,919.1591
 C.C. N 1,916,581.3792 E 1,065,608.5185
 Back = N 18° 25' 22.65" E
 Ahead = N 32° 53' 45.45" E
 Chord Bear = N 25° 39' 34.05" E

Curve Data

Curve E ARMY D-3
 P.I. Station 9+43.66 N 1,917,084.5272 E 1,064,956.1903
 Delta = 17° 13' 53.69" (RT)
 Degree = 12° 43' 56.62"
 Tangent = 68.1830
 Length = 135.3365
 Radius = 450.0000
 External = 5.1362
 Long Chord = 134.8271
 Mid. Ord. = 5.0782
 P.C. Station 8+75.48 N 1,917,027.2768 E 1,064,919.1591
 P.T. Station 10+10.82 N 1,917,128.2380 E 1,065,008.5189
 C.C. N 1,916,782.8749 E 1,065,297.0053
 Back = N 32° 53' 45.45" E
 Ahead = N 50° 07' 39.15" E
 Chord Bear = N 41° 30' 42.30" E

Course from PT E ARMY D-3 to PC E ARMY D-4 N 50° 07' 39.15" E Dist 294.7564

RAMP E_ARMY_D

Curve Data

Curve E ARMY D-4
 P.I. Station 14+13.00 N 1,917,386.0681 E 1,065,317.1818
 Delta = 13° 45' 53.09" (LT)
 Degree = 6° 26' 15.82"
 Tangent = 107.4240
 Length = 213.8138
 Radius = 890.0000
 External = 6.4597
 Long Chord = 213.2999
 Mid. Ord. = 6.4131
 P.C. Station 13+05.57 N 1,917,317.2007 E 1,065,234.7367
 P.T. Station 15+19.39 N 1,917,472.5745 E 1,065,380.8731
 C.C. N 1,918,000.2520 E 1,064,664.1747
 Back = N 50° 07' 39.15" E
 Ahead = N 36° 21' 46.05" E
 Chord Bear = N 43° 14' 42.60" E

Curve Data

Curve E ARMY D-5
 P.I. Station 16+28.18 N 1,917,560.1859 E 1,065,445.3780
 Delta = 21° 59' 19.84" (LT)
 Degree = 10° 13' 53.00"
 Tangent = 108.7964
 Length = 214.9155
 Radius = 560.0000
 External = 10.4706
 Long Chord = 213.5990
 Mid. Ord. = 10.2784
 P.C. Station 15+19.39 N 1,917,472.5745 E 1,065,380.8731
 P.T. Station 17+34.30 N 1,917,665.5766 E 1,065,472.3867
 C.C. N 1,917,804.5963 E 1,064,929.9168
 Back = N 36° 21' 46.05" E
 Ahead = N 14° 22' 26.22" E
 Chord Bear = N 25° 22' 06.13" E

Course from PT E ARMY D-5 to 1002 N 14° 22' 26.22" E Dist 123.2331

Point 1002 N 1,917,784.9520 E 1,065,502.9792 Sta 18+57.54

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.
...\\exp\h_abc\c1_395_R_Data\exalign_32.dgn	DRAWN - TMB	REVISED -			* 22(1, 1-1, 2&3)RS-7	DUPAGE	546	49				
USER NAME = jmajewski	CHECKED - JMM	REVISED -			*290.355	CONTRACT NO. 60C51						
PLDT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						
			SCALE: N.T.S.	SHEET NO. 24 OF 44 SHEETS	STA.	TO STA.						