

RAMP E_KSTNR_A

Point 1610 N 1,897,285.1989 E 1,148,449.3379 Sta 0+00.00
 Course from 1610 to 1611 N 88° 09' 59.64" W Dist 144.7266
 Point 1611 N 1,897,289.8293 E 1,148,304.6854 Sta 1+44.73
 Course from 1611 to 1612 N 88° 57' 00.91" W Dist 447.7352
 Point 1612 N 1,897,298.0321 E 1,147,857.0254 Sta 5+92.46
 Course from 1612 to PC E KSTNR A-1 N 89° 01' 59.91" W Dist 338.5378

Curve Data

Curve E KSTNR A-1
 P.I. Station 9+84.90 N 1,897,304.6530 E 1,147,464.6420
 Delta = 7° 42' 33.00" (RT)
 Degree = 7° 09' 43.10"
 Tangent = 53.9015
 Length = 107.6403
 Radius = 800.0000
 External = 1.8138
 Long Chord = 107.5591
 Mid. Ord. = 1.8097
 P.C. Station 9+31.00 N 1,897,303.7436 E 1,147,518.5358
 P.T. Station 10+38.64 N 1,897,312.7837 E 1,147,411.3573
 C.C. N 1,898,103.6297 E 1,147,532.0327
 Back = N 89° 01' 59.91" W
 Ahead = N 81° 19' 26.90" W
 Chord Bear = N 85° 10' 43.41" W

Curve Data

Curve E KSTNR A-2
 P.I. Station 10+54.05 N 1,897,315.1086 E 1,147,396.1214
 Delta = 2° 12' 26.52" (RT)
 Degree = 7° 09' 43.10"
 Tangent = 15.4122
 Length = 30.8207
 Radius = 800.0000
 External = 0.1484
 Long Chord = 30.8188
 Mid. Ord. = 0.1484
 P.C. Station 10+38.64 N 1,897,312.7837 E 1,147,411.3573
 P.T. Station 10+69.46 N 1,897,318.0185 E 1,147,380.9864
 C.C. N 1,898,103.6297 E 1,147,532.0327
 Back = N 81° 19' 26.90" W
 Ahead = N 79° 07' 00.38" W
 Chord Bear = N 80° 13' 13.64" W

RAMP E_KSTNR_B

Curve Data

Curve E KSTNR B-1
 P.I. Station 1+15.44 N 1,897,077.3106 E 1,147,942.1657
 Delta = 4° 43' 00.96" (LT)
 Degree = 2° 02' 39.30"
 Tangent = 115.4359
 Length = 230.7413
 Radius = 2,802.7757
 External = 2.3762
 Long Chord = 230.6761
 Mid. Ord. = 2.3742
 P.C. Station 0+00.00 N 1,897,084.5661 E 1,148,057.3733
 P.T. Station 2+30.74 N 1,897,060.6057 E 1,147,827.9449
 C.C. N 1,894,287.3321 E 1,148,233.5376
 Back = S 86° 23' 46.98" W
 Ahead = S 81° 40' 46.03" W
 Chord Bear = S 84° 02' 16.50" W

Curve Data

Curve E KSTNR B-2
 P.I. Station 2+72.71 N 1,897,054.5319 E 1,147,786.4144
 Delta = 9° 35' 48.62" (LT)
 Degree = 11° 27' 32.96"
 Tangent = 41.9723
 Length = 83.7482
 Radius = 500.0000
 External = 1.7586
 Long Chord = 83.6504
 Mid. Ord. = 1.7524
 P.C. Station 2+30.74 N 1,897,060.6057 E 1,147,827.9449
 P.T. Station 3+14.49 N 1,897,041.6193 E 1,147,746.4778
 C.C. N 1,896,565.8687 E 1,147,900.3005
 Back = S 81° 40' 46.03" W
 Ahead = S 72° 04' 57.40" W
 Chord Bear = S 76° 52' 51.71" W

Curve Data

Curve E KSTNR B-3
 P.I. Station 3+68.55 N 1,897,024.9877 E 1,147,695.0389
 Delta = 3° 37' 02.01" (LT)
 Degree = 3° 20' 47.87"
 Tangent = 54.0607
 Length = 108.0856
 Radius = 1,712.0431
 External = 0.8533
 Long Chord = 108.0676
 Mid. Ord. = 0.8529
 P.C. Station 3+14.49 N 1,897,041.6193 E 1,147,746.4778
 P.T. Station 4+22.58 N 1,897,005.1440 E 1,147,644.7518
 C.C. N 1,895,412.6084 E 1,148,273.1799
 Back = S 72° 04' 57.40" W
 Ahead = S 68° 27' 55.39" W
 Chord Bear = S 70° 16' 26.40" W

Course from PT E KSTNR B-3 to 1621 S 69° 03' 20.47" W Dist 472.8644

Point 1621 N 1,896,836.1137 E 1,147,203.1304 Sta 8+95.44
 Point 1622 N 1,896,836.1137 E 1,147,203.1304 Sta 8+95.44

FILE NAME -	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\h_abc_c3_290_r_data_exalign_24.dgn	DRAWN - DMS	REVISED -					290	(2828B,D, ETC., 3031,1RS-6)	COOK	185	39
USER NAME - tbenk	CHECKED - CAR	REVISED -					CONTRACT NO. 60653				
PLOT DATE - 11/12/2009	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 24 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.