

**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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN CURVE DATA</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC.C3.298.R.Data.exalign_24.dgn	DRAWN - DMS	REVISED -						290	(2727, ETC., 3131)RS-7	COOK	216	36
USER NAME = jmojewski	CHECKED - CAR	REVISED -			CONTRACT NO. 60G53							
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 16 OF 18 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			