

RAMP E_KNNDY_B

Curve Data

Curve E KNNDY B-1
 P.I. Station = 1+00.69 N 1,897,862.0591 E 1,170,616.9583
 Delta = 4° 53' 28.82" (RT)
 Degree = 2° 25' 49.39"
 Tangent = 100.6900
 Length = 201.2576
 Radius = 2,357.4761
 External = 2.1493
 Long Chord = 201.1965
 Mid. Ord. = 2.1473
 P.C. Station = 0+00.00 N 1,897,865.8935 E 1,170,516.3414
 P.T. Station = 2+01.26 N 1,897,849.6595 E 1,170,716.8819
 C.C. = N 1,895,510.1273 E 1,170,426.5671
 Back = S 87° 49' 03.40" E
 Ahead = S 82° 55' 34.58" E
 Chord Bear = S 85° 22' 18.99" E

Curve Data

Curve E KNNDY B-2
 P.I. Station = 3+31.61 N 1,897,833.6073 E 1,170,846.2400
 Delta = 0° 57' 49.17" (LT)
 Degree = 0° 22' 10.74"
 Tangent = 130.3502
 Length = 260.6943
 Radius = 15,500.0000
 External = 0.5481
 Long Chord = 260.6913
 Mid. Ord. = 0.5481
 P.C. Station = 2+01.26 N 1,897,849.6595 E 1,170,716.8819
 P.T. Station = 4+61.95 N 1,897,819.7330 E 1,170,975.8497
 C.C. = N 1,913,231.6814 E 1,172,625.6517
 Back = S 82° 55' 34.58" E
 Ahead = S 83° 53' 23.75" E
 Chord Bear = S 83° 24' 29.16" E

Curve Data

Curve E KNNDY B-3
 P.I. Station = 5+08.39 N 1,897,814.7907 E 1,171,022.0192
 Delta = 8° 04' 22.92" (RT)
 Degree = 8° 42' 27.23"
 Tangent = 46.4333
 Length = 92.7129
 Radius = 658.0000
 External = 1.6363
 Long Chord = 92.6362
 Mid. Ord. = 1.6322
 P.C. Station = 4+61.95 N 1,897,819.7330 E 1,170,975.8497
 P.T. Station = 5+54.66 N 1,897,803.4136 E 1,171,067.0371
 C.C. = N 1,897,165.4709 E 1,170,905.8130
 Back = S 83° 53' 23.75" E
 Ahead = S 75° 49' 00.83" E
 Chord Bear = S 79° 51' 12.29" E

Course from PT E KNNDY B-3 to PC E KNNDY B-4 S 75° 49' 00.83" E Dist 90.0149

RAMP E_KNNDY_B

Curve Data

Curve E KNNDY B-4
 P.I. Station = 7+08.60 N 1,897,765.6951 E 1,171,216.2842
 Delta = 32° 41' 08.55" (RT)
 Degree = 26° 16' 56.88"
 Tangent = 63.9247
 Length = 124.3632
 Radius = 218.0000
 External = 9.1792
 Long Chord = 122.6836
 Mid. Ord. = 8.8083
 P.C. Station = 6+44.68 N 1,897,781.3580 E 1,171,154.3081
 P.T. Station = 7+69.04 N 1,897,719.0434 E 1,171,259.9877
 C.C. = N 1,897,570.0031 E 1,171,100.8934
 Back = S 75° 49' 00.83" E
 Ahead = S 43° 07' 52.28" E
 Chord Bear = S 59° 28' 26.55" E

Course from PT E KNNDY B-4 to PC E KNNDY B-5 S 43° 00' 58.70" E Dist 76.5158

Curve Data

Curve E KNNDY B-5
 P.I. Station = 9+14.56 N 1,897,612.6485 E 1,171,359.2592
 Delta = 16° 21' 37.26" (RT)
 Degree = 11° 56' 11.83"
 Tangent = 68.9995
 Length = 137.0602
 Radius = 480.0000
 External = 4.9339
 Long Chord = 136.5950
 Mid. Ord. = 4.8837
 P.C. Station = 8+45.56 N 1,897,663.0982 E 1,171,312.1873
 P.T. Station = 9+82.62 N 1,897,550.9825 E 1,171,390.2146
 C.C. = N 1,897,335.6390 E 1,170,961.2307
 Back = S 43° 00' 58.70" E
 Ahead = S 26° 39' 21.44" E
 Chord Bear = S 34° 50' 10.07" E

Course from PT E KNNDY B-5 to PC E KNNDY B-6 S 26° 39' 21.44" E Dist 16.0573

Curve Data

Curve E KNNDY B-6
 P.I. Station = 11+04.82 N 1,897,441.7726 E 1,171,445.0363
 Delta = 19° 42' 34.71" (RT)
 Degree = 9° 22' 38.56"
 Tangent = 106.1402
 Length = 210.1829
 Radius = 611.0000
 External = 9.1506
 Long Chord = 209.1481
 Mid. Ord. = 9.0156
 P.C. Station = 9+98.68 N 1,897,536.6318 E 1,171,397.4184
 P.T. Station = 12+08.86 N 1,897,336.4115 E 1,171,457.8729
 C.C. = N 1,897,262.5176 E 1,170,851.3577
 Back = S 26° 39' 21.44" E
 Ahead = S 6° 56' 46.73" E
 Chord Bear = S 16° 48' 04.09" E

Course from PT E KNNDY B-6 to 1931 S 6° 56' 46.73" E Dist 291.3369

Point 1931 N 1,897,047.2130 E 1,171,493.1069 Sta 15+00.20

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.
...\\expln_abc_c3_290_r_data_exalign_33.dgn	DRAWN - DMS	REVISED -					290	(2828B,D, ETC., 3031,1RS-6	COOK	185	48
USER NAME = tblank	CHECKED - CAR	REVISED -					CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			SCALE: N.T.S.	SHEET NO. 33 OF 33 SHEETS	STA.	TO STA.					