

RAMP E_CENT_A

Point 10 N 1,896,114.3664 E 1,137,760.4324 Sta 0+00.00

Course from 10 to PC E CENT A-1 S 89° 49' 15.17" E Dist 425.4326

Curve Data

Curve E CENT A-1
 P.I. Station = 5+65.00 N 1,896,112.6001 E 1,138,325.4283
 Delta = 7° 47' 22.16" (LT)
 Degree = 2° 47' 41.70"
 Tangent = 139.5661
 Length = 278.7021
 Radius = 2,050.0000
 External = 4.7454
 Long Chord = 278.4875
 Mid. Ord. = 4.7344
 P.C. Station = 4+25.43 N 1,896,113.0364 E 1,138,185.8629
 P.T. Station = 7+04.13 N 1,896,131.0837 E 1,138,463.7650
 C.C. = N 1,898,163.0264 E 1,138,192.2717
 Back = S 89° 49' 15.17" E
 Ahead = N 82° 23' 22.67" E
 Chord Bear = N 86° 17' 03.75" E

Curve Data

Curve E CENT A-2
 P.I. Station = 8+96.80 N 1,896,156.5992 E 1,138,654.7312
 Delta = 19° 52' 08.38" (LT)
 Degree = 5° 12' 31.35"
 Tangent = 192.6633
 Length = 381.4573
 Radius = 1,100.0000
 External = 16.7449
 Long Chord = 379.5488
 Mid. Ord. = 16.4938
 P.C. Station = 7+04.13 N 1,896,131.0837 E 1,138,463.7650
 P.T. Station = 10+85.59 N 1,896,245.4996 E 1,138,825.6577
 C.C. = N 1,897,221.3944 E 1,138,318.0856
 Back = N 82° 23' 22.67" E
 Ahead = N 62° 31' 14.29" E
 Chord Bear = N 72° 27' 18.48" E

Course from PT E CENT A-2 to 11 N 62° 31' 14.29" E Dist 302.2150

Point 11 N 1,896,384.9504 E 1,139,093.7759 Sta 13+87.81

RAMP E_CENT_B

Point 1540 N 1,895,936.2919 E 1,137,872.6948 Sta 0+00.00

Course from 1540 to 1541 S 86° 14' 30.81" E Dist 152.9539

Point 1541 N 1,895,926.2666 E 1,138,025.3198 Sta 1+52.95

Course from 1541 to PC E CENT B-1 S 85° 45' 34.91" E Dist 344.7613

Curve Data

Curve E CENT B-1
 P.I. Station = 5+70.06 N 1,895,895.4256 E 1,138,441.2882
 Delta = 8° 22' 04.36" (LT)
 Degree = 5° 47' 35.90"
 Tangent = 72.3489
 Length = 144.4405
 Radius = 989.0000
 External = 2.6428
 Long Chord = 144.3122
 Mid. Ord. = 2.6357
 P.C. Station = 4+97.72 N 1,895,900.7751 E 1,138,369.1373
 P.T. Station = 6+42.16 N 1,895,900.6331 E 1,138,513.4494
 C.C. = N 1,896,887.0679 E 1,138,442.2637
 Back = S 85° 45' 34.91" E
 Ahead = N 85° 52' 20.73" E
 Chord Bear = S 89° 56' 37.09" E

Course from PT E CENT B-1 to 1542 N 85° 52' 20.73" E Dist 625.1657

Point 1542 N 1,895,945.6310 E 1,139,136.9936 Sta 12+67.32

RAMP E_CENT_C

Point 1550 N 1,896,360.6711 E 1,140,973.3560 Sta 0+00.00

Course from 1550 to 1551 N 89° 02' 03.87" W Dist 343.8265

Point 1551 N 1,896,366.4652 E 1,140,629.5783 Sta 3+43.83

Course from 1551 to 1552 N 88° 34' 09.56" W Dist 451.9040

Point 1552 N 1,896,377.7481 E 1,140,177.8152 Sta 7+95.73

Course from 1552 to 1553 N 88° 51' 27.47" W Dist 541.9149

Point 1553 N 1,896,388.5522 E 1,139,636.0080 Sta 13+37.65

RAMP E_CENT_D

Point 1560 N 1,896,185.6071 E 1,140,911.6212 Sta 0+00.00

Course from 1560 to PC E CENT D-1 S 87° 11' 57.03" W Dist 627.8306

Curve Data

Curve E CENT D-1
 P.I. Station = 7+92.83 N 1,896,146.8659 E 1,140,119.7339
 Delta = 9° 29' 04.50" (LT)
 Degree = 2° 52' 50.28"
 Tangent = 165.0037
 Length = 329.2535
 Radius = 1,989.0000
 External = 6.8325
 Long Chord = 328.8777
 Mid. Ord. = 6.8091
 P.C. Station = 6+27.83 N 1,896,154.9287 E 1,140,284.5405
 P.T. Station = 9+57.08 N 1,896,111.7562 E 1,139,958.5088
 C.C. = N 1,894,168.3047 E 1,140,381.7313
 Back = S 87° 11' 57.03" W
 Ahead = S 77° 42' 52.53" W
 Chord Bear = S 82° 27' 24.78" W

Course from PT E CENT D-1 to 1561 S 77° 42' 52.53" W Dist 696.7142

Point 1561 N 1,895,963.5082 E 1,139,277.7495 Sta 16+53.80

FILE NAME = ...\\expln_abc.c3.290.R.Data.exalign-22.dgn	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JOBER NAME = blank	DRAWN - DMS	REVISED -						290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	37
PLOT DATE = 11/12/2009	CHECKED - CAR	REVISED -			CONTRACT NO. 60C53							
DATE = 10/16/09	REVISED -	SCALE: N.T.S.			SHEET NO. 22 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			