

RAMP E_INDEP_A

Point 1630 N 1,897,317.2135 E 1,149,847.3555 Sta 0+00.00

Course from 1630 to PC E INDEP A-1 N 87° 27' 46.83" E Dist 331.4364

Curve Data

Curve E INDEP A-1
 P.I. Station 4+21.99 N 1,897,335.8924 E 1,150,268.9276
 Delta = 5° 11' 04.41" (LT)
 Degree = 2° 51' 53.24"
 Tangent = 90.5494
 Length = 180.9752
 Radius = 2,000.0000
 External = 2.0487
 Long Chord = 180.9135
 Mid. Ord. = 2.0467
 P.C. Station 3+31.44 N 1,897,331.8843 E 1,150,178.4670
 P.T. Station 5+12.41 N 1,897,348.0585 E 1,150,358.6560
 C.C. N 1,899,329.9240 E 1,150,089.9382
 Back = N 87° 27' 46.83" E
 Ahead = N 82° 16' 42.42" E
 Chord Bear = N 84° 52' 14.63" E

Course from PT E INDEP A-1 to 1631 N 82° 16' 42.42" E Dist 395.9644

Point 1631 N 1,897,401.2599 E 1,150,751.0301 Sta 9+08.38

RAMP E_INDEP_B

Point 1640 N 1,897,140.7241 E 1,149,883.6323 Sta 0+00.00

Course from 1640 to 1641 S 87° 35' 47.98" E Dist 214.2116

Point 1641 N 1,897,131.7414 E 1,150,097.6556 Sta 2+14.21

Course from 1641 to 1642 S 87° 19' 06.80" E Dist 373.2440

Point 1642 N 1,897,114.2799 E 1,150,470.4909 Sta 5+87.46

Course from 1642 to 1643 S 87° 09' 11.48" E Dist 377.9244

Point 1643 N 1,897,095.5100 E 1,150,847.9489 Sta 9+65.38

RAMP E_INDEP_C

Point 1650 N 1,897,372.5911 E 1,152,336.9713 Sta 0+00.00

Course from 1650 to 1651 N 85° 34' 27.99" W Dist 342.0589

Point 1651 N 1,897,398.9856 E 1,151,995.9323 Sta 3+42.06

Course from 1651 to 1652 N 85° 25' 46.59" W Dist 353.1759

Point 1652 N 1,897,427.1281 E 1,151,643.8794 Sta 6+95.23

Course from 1652 to 1653 N 81° 23' 00.63" W Dist 51.0087

Point 1653 N 1,897,434.7702 E 1,151,593.4464 Sta 7+46.24

RAMP E_INDEP_D

Curve Data

Curve E INDEP D-1
 P.I. Station 1+34.95 N 1,897,191.0452 E 1,152,310.2632
 Delta = 2° 59' 12.49" (LT)
 Degree = 1° 06' 24.69"
 Tangent = 134.9531
 Length = 269.8452
 Radius = 5,176.4358
 External = 1.7589
 Long Chord = 269.8146
 Mid. Ord. = 1.7583
 P.C. Station 0+00.00 N 1,897,194.2751 E 1,152,445.1777
 P.T. Station 2+69.85 N 1,897,180.7899 E 1,152,175.7003
 C.C. N 1,892,019.3220 E 1,152,569.0666
 Back = S 88° 37' 42.94" W
 Ahead = S 85° 38' 30.46" W
 Chord Bear = S 87° 08' 06.70" W

Course from PT E INDEP D-1 to 1661 S 82° 59' 52.05" W Dist 166.9370

Point 1661 N 1,897,160.4390 E 1,152,010.0084 Sta 4+36.78

Course from 1661 to 1662 S 84° 17' 12.67" W Dist 222.9437

Point 1662 N 1,897,138.2454 E 1,151,788.1722 Sta 6+59.73

Course from 1662 to 1663 S 82° 34' 01.96" W Dist 163.7958

Point 1663 N 1,897,117.0562 E 1,151,625.7527 Sta 8+23.52

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.
...\\expIn_ABC_C3_290_Rt_Data_exalign_25.dgn	DRAWN - DMS	REVISED -					290	12828B,D, ETC., 3031.1RS-6	COOK	185	40
USER NAME = tblenk	CHECKED - CAR	REVISED -					CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 25 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT