

RAMP E_CALIF_E

Curve Data

Curve E CALIF E-1
 P.I. Station 0+61.39 N 1,898,013.3219 E 1,158,142.9780
 Delta = 8° 40' 07.49" (LT)
 Degree = 7° 04' 24.79"
 Tangent = 61.3929
 Length = 122.5515
 Radius = 810.0000
 External = 2.3233
 Long Chord = 122.4347
 Mid. Ord. = 2.3166
 P.C. Station 0+00.00 N 1,898,022.3646 E 1,158,082.2547
 P.T. Station 1+22.55 N 1,898,013.5349 E 1,158,204.3705
 C.C. N 1,898,823.5300 E 1,158,201.5614
 Back = S 81° 31' 47.85" E
 Ahead = N 89° 48' 04.66" E
 Chord Bear = S 85° 51' 51.60" E

Course from PT E CALIF E-1 to 1831 N 89° 48' 04.66" E Dist 450.0130

Point 1831 N 1,898,015.0955 E 1,158,654.3808 Sta 5+72.56

Course from 1831 to 1832 S 89° 45' 26.13" E Dist 132.4477

Point 1832 N 1,898,014.5344 E 1,158,786.8273 Sta 7+05.01

Course from 1832 to 1833 N 88° 37' 05.16" E Dist 266.1199

Point 1833 N 1,898,020.9522 E 1,159,052.8698 Sta 9+71.13

Course from 1833 to 1834 N 88° 51' 34.81" E Dist 67.2595

Point 1834 N 1,898,022.2908 E 1,159,120.1160 Sta 10+38.39

Course from 1834 to 1835 N 88° 51' 34.81" E Dist 154.7606

Point 1835 N 1,898,025.3707 E 1,159,274.8460 Sta 11+93.15

Course from 1835 to 1836 N 88° 16' 31.97" E Dist 10.8339

Point 1836 N 1,898,025.6967 E 1,159,285.6749 Sta 12+03.99

Course from 1836 to PC E CALIF E-2 N 87° 47' 15.06" E Dist 516.5721

Curve Data

Curve E CALIF E-2
 P.I. Station 17+92.44 N 1,898,048.4143 E 1,159,873.6904
 Delta = 2° 00' 05.46" (LT)
 Degree = 1° 23' 32.51"
 Tangent = 71.8820
 Length = 143.7495
 Radius = 4,115.0000
 External = 0.6278
 Long Chord = 143.7421
 Mid. Ord. = 0.6277
 P.C. Station 17+20.56 N 1,898,045.6393 E 1,159,801.8619
 P.T. Station 18+64.31 N 1,898,053.6963 E 1,159,945.3781
 C.C. N 1,902,157.5716 E 1,159,643.0002
 Back = N 87° 47' 15.06" E
 Ahead = N 85° 47' 09.60" E
 Chord Bear = N 86° 47' 12.33" E

RAMP E_CALIF_E

Curve Data

Curve E CALIF E-3
 P.I. Station 19+11.45 N 1,898,057.1608 E 1,159,992.3978
 Delta = 12° 13' 55.63" (LT)
 Degree = 13° 01' 18.37"
 Tangent = 47.1472
 Length = 93.9359
 Radius = 440.0000
 External = 2.5188
 Long Chord = 93.7577
 Mid. Ord. = 2.5044
 P.C. Station 18+64.31 N 1,898,053.6963 E 1,159,945.3781
 P.T. Station 19+58.24 N 1,898,070.5088 E 1,160,037.6160
 C.C. N 1,898,492.5068 E 1,159,913.0461
 Back = N 85° 47' 09.60" E
 Ahead = N 73° 33' 13.97" E
 Chord Bear = N 79° 40' 11.78" E

RAMP E_CALIF_F

Curve Data

Curve E CALIF F-1
 P.I. Station 0+72.28 N 1,897,726.7705 E 1,159,973.5411
 Delta = 10° 00' 08.95" (LT)
 Degree = 6° 56' 11.53"
 Tangent = 72.2837
 Length = 144.2000
 Radius = 826.0000
 External = 3.1568
 Long Chord = 144.0170
 Mid. Ord. = 3.1447
 P.C. Station 0+00.00 N 1,897,714.5173 E 1,160,044.7787
 P.T. Station 1+44.20 N 1,897,726.4642 E 1,159,901.2581
 C.C. N 1,896,900.4716 E 1,159,904.7583
 Back = N 80° 14' 25.13" W
 Ahead = S 89° 45' 25.93" W
 Chord Bear = N 85° 14' 29.60" W

Course from PT E CALIF F-1 to 1851 S 89° 45' 25.93" W Dist 317.5127

Point 1851 N 1,897,725.1187 E 1,159,583.7482 Sta 4+61.71

Course from 1851 to 1852 S 89° 54' 17.23" W Dist 292.5840

Point 1852 N 1,897,724.6325 E 1,159,291.1646 Sta 7+54.30

Course from 1852 to 1853 S 89° 54' 17.23" W Dist 13.2330

Point 1853 N 1,897,724.6105 E 1,159,277.9317 Sta 7+67.53

Course from 1853 to 1854 S 88° 24' 31.55" W Dist 150.3626

Point 1854 N 1,897,720.4351 E 1,159,127.6271 Sta 9+17.89

Course from 1854 to 1855 S 88° 24' 31.55" W Dist 67.2589

Point 1855 N 1,897,718.5674 E 1,159,060.3941 Sta 9+85.15

Course from 1855 to 1856 S 88° 37' 21.17" W Dist 284.1742

Point 1856 N 1,897,711.7362 E 1,158,776.3019 Sta 12+69.33

Course from 1856 to PC E CALIF F-2 S 87° 25' 06.33" W Dist 502.1369

Curve Data

Curve E CALIF F-2
 P.I. Station 18+40.21 N 1,897,686.0225 E 1,158,205.9947
 Delta = 8° 46' 31.33" (LT)
 Degree = 6° 23' 40.63"
 Tangent = 68.7497
 Length = 137.2306
 Radius = 896.0000
 External = 2.6337
 Long Chord = 137.0965
 Mid. Ord. = 2.6260
 P.C. Station 17+71.46 N 1,897,689.1191 E 1,158,274.6746
 P.T. Station 19+08.69 N 1,897,672.4843 E 1,158,138.5911
 C.C. N 1,896,794.0285 E 1,158,315.0320
 Back = S 87° 25' 06.33" W
 Ahead = S 78° 38' 35.00" W
 Chord Bear = S 83° 01' 50.67" W

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\in_abc_c3_298_r_data_exalign_28.dgn	DRAWN - DMS	REVISED -						290	(2525, ETC., 2727)RS-8	COOK	201	33
USER NAME = jmajewski	CHECKED - CAR	REVISED -						CONTRACT NO. 60K11				
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
					SCALE: N.T.S.	SHEET NO. 14 OF 19 SHEETS	STA.	TO STA.				