

**I-290 EB**

Curve Data

Curve E I290 E-26  
 P.I. Station = 1196+04.10 N 1,897,922.1776 E 1,169,579.1746  
 Delta = 1° 59' 12.59" (LT)  
 Degree = 1° 03' 13.80"  
 Tangent = 94.2763  
 Length = 188.5337  
 Radius = 5,436.8911  
 External = 0.8173  
 Long Chord = 188.5243  
 Mid. Ord. = 0.8172  
 P.C. Station = 1195+09.82 N 1,897,928.9826 E 1,169,485.1442  
 P.T. Station = 1196+98.36 N 1,897,918.6366 E 1,169,673.3844  
 C.C. = N 1,903,351.6915 E 1,169,877.5893  
 Back = S 85° 51' 38.46" E  
 Ahead = S 87° 50' 51.05" E  
 Chord Bear = S 86° 51' 14.76" E

Course from PT E I290 E-26 to PC E I290 E-27 S 86° 46' 11.82" E Dist 205.9003

Curve Data

Curve E I290 E-27  
 P.I. Station = 1200+06.11 N 1,897,901.9065 E 1,169,980.6763  
 Delta = 3° 37' 01.21" (LT)  
 Degree = 1° 46' 34.60"  
 Tangent = 101.8479  
 Length = 203.6282  
 Radius = 3,225.6074  
 External = 1.6075  
 Long Chord = 203.5944  
 Mid. Ord. = 1.6067  
 P.C. Station = 1199+04.26 N 1,897,907.0351 E 1,169,878.9576  
 P.T. Station = 1201+07.89 N 1,897,903.2052 E 1,170,082.5160  
 C.C. = N 1,901,128.5503 E 1,170,041.3857  
 Back = S 87° 06' 48.97" E  
 Ahead = N 89° 16' 09.81" E  
 Chord Bear = S 88° 55' 19.58" E

Course from PT E I290 E-27 to 178 N 88° 34' 47.43" E Dist 432.6030

Point 178 N 1,897,913.9268 E 1,170,514.9861 Sta 1205+40.49

Course from 178 to 179 N 88° 34' 47.84" E Dist 576.9449

Point 179 N 1,897,928.2246 E 1,171,091.7538 Sta 1211+17.43

Course from 179 to 180 N 88° 34' 47.84" E Dist 87.0869

Point 180 N 1,897,930.3828 E 1,171,178.8139 Sta 1212+04.52

Course from 180 to PC E I290 E-28 N 87° 49' 24.34" E Dist 44.0869

Curve Data

Curve E I290 E-28  
 P.I. Station = 1213+89.94 N 1,897,937.4248 E 1,171,364.0992  
 Delta = 0° 38' 08.11" (LT)  
 Degree = 0° 13' 29.49"  
 Tangent = 141.3322  
 Length = 282.6615  
 Radius = 25,480.9248  
 External = 0.3920  
 Long Chord = 282.6601  
 Mid. Ord. = 0.3919  
 P.C. Station = 1212+48.61 N 1,897,932.0571 E 1,171,222.8690  
 P.T. Station = 1215+31.27 N 1,897,944.3588 E 1,171,505.2612  
 C.C. = N 1,923,394.5982 E 1,170,255.1236  
 Back = N 87° 49' 24.34" E  
 Ahead = N 87° 11' 16.23" E  
 Chord Bear = N 87° 30' 20.29" E

**I-290 EB**

Curve Data

Curve E I290 E-29  
 P.I. Station = 1217+67.61 N 1,897,962.1153 E 1,171,740.9354  
 Delta = 3° 52' 23.51" (RT)  
 Degree = 0° 49' 10.98"  
 Tangent = 236.3422  
 Length = 472.5043  
 Radius = 6,989.7026  
 External = 3.9946  
 Long Chord = 472.4143  
 Mid. Ord. = 3.9923  
 P.C. Station = 1215+31.27 N 1,897,944.3588 E 1,171,505.2612  
 P.T. Station = 1220+03.77 N 1,897,963.9118 E 1,171,977.2707  
 C.C. = N 1,890,974.4111 E 1,172,030.4011  
 Back = N 85° 41' 28.61" E  
 Ahead = N 89° 33' 52.12" E  
 Chord Bear = N 87° 37' 40.36" E

Course from PT E I290 E-29 to 181 N 88° 32' 19.34" E Dist 805.4044

Point 181 N 1,897,984.4510 E 1,172,782.4132 Sta 1228+09.18

Course from 181 to 182 N 88° 17' 27.10" E Dist 348.6947

Point 182 N 1,897,994.8510 E 1,173,130.9528 Sta 1231+57.87

Course from 182 to 183 N 87° 57' 44.39" E Dist 133.3034

Point 183 N 1,897,999.5908 E 1,173,264.1719 Sta 1232+91.18

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.
...\\expln_ABC_C3_290_ML_Data_exalign_17.cgn	DRAWN - DMS	REVISED -						290	(28288,0, ETC., 3031,1RS-6	COOK	185	32
USER NAME = vblenk	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 17 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		