

I-290

Curve Data

Curve E.I290G-1  
 P.I. Station = 5+26.79 N 1,930,855.0242 E 1,067,946.4876  
 Delta = 2°30' 15.85" (RT)  
 Degree = 0° 14' 15.87"  
 Tangent = 526.7905  
 Length = 1,053.4133  
 Radius = 24,100.0000  
 External = 5.7567  
 Long Chord = 1,053.3294  
 Mid. Ord. = 5.7554  
 P.C. Station = 0+00.00 N 1,930,330.2617 E 1,067,900.3082  
 P.T. Station = 10+53.41 N 1,931,377.2677 E 1,068,015.5529  
 C.C. = N 1,928,217.6155 E 1,091,907.5306  
 Back = N 5° 01' 44.76" E  
 Ahead = N 7° 32' 00.61" E  
 Chord Bear = N 6° 16' 52.68" E

Course from PT E.I290G-1 to PC E.I290G-2 N 7° 32' 00.61" E Dist 3,065.7520

Curve Data

Curve E.I290G-2  
 P.I. Station = 48+67.43 N 1,935,158.3637 E 1,068,515.5931  
 Delta = 7° 26' 44.09" (LT)  
 Degree = 0° 29' 53.61"  
 Tangent = 748.2652  
 Length = 1,494.4238  
 Radius = 11,500.0000  
 External = 24.3178  
 Long Chord = 1,493.3725  
 Mid. Ord. = 24.2665  
 P.C. Station = 41+19.17 N 1,934,416.5573 E 1,068,417.4911  
 P.T. Station = 56+13.59 N 1,935,906.6280 E 1,068,516.7413  
 C.C. = N 1,935,924.2751 E 1,057,016.7548  
 Back = N 7° 32' 00.61" E  
 Ahead = N 0° 05' 16.52" E  
 Chord Bear = N 3° 48' 38.56" E

Course from PT E.I290G-2 to PC E.I290G-3 N 0° 05' 16.52" E Dist 2,724.4237

Curve Data

Curve E.I290G-3  
 P.I. Station = 97+01.20 N 1,939,994.2356 E 1,068,523.0139  
 Delta = 13° 31' 13.37" (LT)  
 Degree = 0° 29' 53.61"  
 Tangent = 1,363.1888  
 Length = 2,713.7145  
 Radius = 11,500.0000  
 External = 80.5131  
 Long Chord = 2,707.4225  
 Mid. Ord. = 79.9533  
 P.C. Station = 83+38.01 N 1,938,631.0484 E 1,068,520.9220  
 P.T. Station = 110+51.73 N 1,941,320.1336 E 1,068,206.3465  
 C.C. = N 1,938,648.6956 E 1,057,020.9356  
 Back = N 0° 05' 16.52" E  
 Ahead = N 13° 25' 56.85" W  
 Chord Bear = N 6° 40' 20.17" W

Course from PT E.I290G-3 to 501 N 13° 25' 56.85" W Dist 480.3379

Point 501 N 1,941,787.3316 E 1,068,094.7645 Sta 115+32.07

Course from 501 to 502 N 13° 25' 56.85" W Dist 2,289.4062

Point 502 N 1,944,014.1099 E 1,067,562.9378 Sta 138+21.47

Course from 502 to 503 N 13° 25' 56.85" W Dist 1,825.3908

Point 503 N 1,945,789.5660 E 1,067,138.9015 Sta 156+46.86

FILE NAME =	DESIGNED - AJP	REVISED -
...\\exoln_abc.c1.290.ML_Data_exalign_48.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN  
I-290 CURVE DATA**

SCALE: N.T.S. SHEET NO. 32 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 290,355	22(1, 1-1, 2&3)RS-7	DUPAGE	546	57
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60G51		