

I-290 WB

Curve Data

Curve E.I290_B-1
 P.I. Station 486+17.44 N 1,896,979.8029 E 1,099,387.6438
 Delta = 20° 39' 51.08" (LT)
 Degree = 2° 13' 51.52"
 Tangent = 468.2056
 Length = 926.2389
 Radius = 2,568.1908
 External = 42.3303
 Long Chord = 921.2271
 Mid. Ord. = 41.6439
 P.C. Station 481+49.23 N 1,897,158.8804 E 1,098,955.0380
 P.T. Station 490+75.47 N 1,896,964.9087 E 1,099,855.6125
 C.C. N 1,899,531.7997 E 1,099,937.3097
 Back = S 67° 30' 46.28" E
 Ahead = S 88° 10' 37.36" E
 Chord Bear = S 77° 50' 41.82" E

Course from PT E.I290_B-1 to 56 S 86° 51' 10.53" E Dist 225.2444

Point 56 N 1,896,952.5430 E 1,100,080.5172 Sta 493+00.71

Course from 56 to PC E.I290_B-2 N 88° 56' 41.29" E Dist 496.7656

I-290 EB

Point 1530 N 1,897,106.4907 E 1,098,932.8419 Sta 481+49.23

Course from 1530 to PC E.I290_G-1 S 65° 55' 33.46" E Dist 43.9754

Curve Data

Curve E.I290_G-1
 P.I. Station 483+00.96 N 1,897,044.8049 E 1,099,071.4615
 Delta = 0° 20' 14.28" (RT)
 Degree = 0° 09' 23.47"
 Tangent = 107.7499
 Length = 215.4993
 Radius = 36,606.0476
 External = 0.1586
 Long Chord = 215.4990
 Mid. Ord. = 0.1586
 P.C. Station 481+93.21 N 1,897,088.5524 E 1,098,972.9922
 P.T. Station 484+08.70 N 1,897,000.4785 E 1,099,169.6716
 C.C. N 1,863,635.4281 E 1,084,110.5834
 Back = S 66° 02' 44.11" E
 Ahead = S 65° 42' 29.84" E
 Chord Bear = S 65° 52' 36.97" E

Course from PT E.I290_G-1 to 1531 S 66° 05' 18.47" E Dist 141.2215

Point 1531 N 1,896,943.2378 E 1,099,298.7724 Sta 485+49.93

Course from 1531 to 1532 S 66° 06' 20.09" E Dist 167.3980

Point 1532 N 1,896,875.4328 E 1,099,451.8232 Sta 487+17.32

Course from 1532 to 1533 S 66° 01' 52.89" E Dist 158.1878

Point 1533 N 1,896,811.1711 E 1,099,596.3702 Sta 488+75.51

Course from 1533 to PC E.I290_G-2 S 67° 13' 31.64" E Dist 158.7336

Curve Data

Curve E.I290_G-2
 P.I. Station 492+34.53 N 1,896,677.2050 E 1,099,929.4215
 Delta = 15° 36' 16.97" (LT)
 Degree = 3° 55' 11.70"
 Tangent = 200.2835
 Length = 398.0879
 Radius = 1,461.6582
 External = 13.6581
 Long Chord = 396.8587
 Mid. Ord. = 13.5317
 P.C. Station 490+34.25 N 1,896,749.7244 E 1,099,742.7281
 P.T. Station 494+32.33 N 1,896,657.5789 E 1,100,128.7411
 C.C. N 1,898,112.2025 E 1,100,271.9710
 Back = S 68° 46' 18.38" E
 Ahead = S 84° 22' 35.35" E
 Chord Bear = S 76° 34' 26.86" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expIn_ABC_C4_290_ML_Data.exe\align_46.dgn	DRAWN - TMJ	REVISED -						290	2009-0998R	COOK/DUPAGE	309	26
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 12 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		