

**I-290 EB**

Curve Data

Curve E.I290.E-6  
 P.I. Station = 756+28.74 N 1,897,058.2849 E 1,125,904.5411  
 Delta = 7° 47' 26.57" (RT)  
 Degree = 1° 57' 12.93"  
 Tangent = 199.7023  
 Length = 398.7891  
 Radius = 2,932,8414  
 External = 6.7912  
 Long Chord = 398.4819  
 Mid. Ord. = 6.7755  
 P.C. Station = 754+29.04 N 1,896,997.1189 E 1,125,714.4366  
 P.T. Station = 758+27.83 N 1,897,093.1167 E 1,126,101.1823  
 C.C. = N 1,894,205.2311 E 1,126,612.7246  
 Back = N 72° 09' 52.04" E  
 Ahead = N 79° 57' 18.61" E  
 Chord Bear = N 76° 03' 35.33" E

Course from PT E.I290.E-6 to PC E.I290.E-7 N 81° 50' 16.38" E Dist 192.7087

Curve Data

Curve E.I290.E-7  
 P.I. Station = 763+53.27 N 1,897,157.1391 E 1,126,622.6485  
 Delta = 13° 09' 20.66" (RT)  
 Degree = 1° 59' 08.29"  
 Tangent = 332.7355  
 Length = 662.5448  
 Radius = 2,885,5107  
 External = 19.1209  
 Long Chord = 661.0904  
 Mid. Ord. = 18.9951  
 P.C. Station = 760+20.54 N 1,897,120.4764 E 1,126,291.9390  
 P.T. Station = 766+83.08 N 1,897,117.5706 E 1,126,953.0229  
 C.C. = N 1,894,252.5356 E 1,126,609.8814  
 Back = N 83° 40' 26.30" E  
 Ahead = S 83° 10' 13.04" E  
 Chord Bear = S 89° 44' 53.37" E

Course from PT E.I290.E-7 to 132 S 82° 55' 48.47" E Dist 51.8780

**I-290 EB**

Point 132 N 1,897,111.1855 E 1,127,004.5065 Sta 767+34.96  
 Course from 132 to 133 S 82° 55' 48.05" E Dist 287.6849  
 Point 133 N 1,897,075.7768 E 1,127,290.0040 Sta 770+22.64  
 Course from 133 to 134 S 82° 55' 48.05" E Dist 196.2104  
 Point 134 N 1,897,051.6269 E 1,127,484.7225 Sta 772+18.85  
 Course from 134 to 135 S 82° 55' 48.05" E Dist 740.8502  
 Point 135 N 1,896,960.4418 E 1,128,219.9396 Sta 779+59.70  
 Course from 135 to 136 S 83° 04' 51.58" E Dist 120.2647  
 Point 136 N 1,896,945.9540 E 1,128,339.3285 Sta 780+79.97  
 Course from 136 to 137 S 82° 54' 31.07" E Dist 949.2995  
 Point 137 N 1,896,828.7611 E 1,129,281.3664 Sta 790+29.27  
 Course from 137 to 138 S 82° 54' 31.07" E Dist 456.4740  
 Point 138 N 1,896,772.4085 E 1,129,734.3486 Sta 794+85.74  
 Course from 138 to 139 S 82° 54' 31.07" E Dist 279.0489  
 Point 139 N 1,896,737.9593 E 1,130,011.2629 Sta 797+64.79  
 Course from 139 to 140 S 82° 54' 31.07" E Dist 253.8912  
 Point 140 N 1,896,706.6159 E 1,130,263.2120 Sta 800+18.68  
 Course from 140 to 141 S 82° 54' 31.07" E Dist 344.6946  
 Point 141 N 1,896,664.0627 E 1,130,605.2699 Sta 803+63.38  
 Course from 141 to 142 S 83° 16' 14.43" E Dist 502.7435  
 Point 142 N 1,896,605.1517 E 1,131,104.5500 Sta 808+66.12  
 Course from 142 to 143 S 84° 01' 40.48" E Dist 1,350.3536  
 Point 143 N 1,896,464.6555 E 1,132,447.5748 Sta 822+16.47  
 Course from 143 to 144 S 83° 35' 28.65" E Dist 56.5475  
 Point 144 N 1,896,458.3437 E 1,132,503.7689 Sta 822+73.02  
 Course from 144 to 145 S 83° 59' 20.91" E Dist 1,293.0157  
 Point 145 N 1,896,322.9431 E 1,133,789.6757 Sta 835+66.04  
 Course from 145 to 146 S 83° 57' 35.99" E Dist 57.9860  
 Point 146 N 1,896,316.8416 E 1,133,847.3399 Sta 836+24.02  
 Course from 146 to 147 S 83° 59' 07.87" E Dist 1,243.0504  
 Point 147 N 1,896,186.5951 E 1,135,083.5478 Sta 848+67.07  
 Course from 147 to 148 S 84° 45' 10.74" E Dist 634.5309  
 Point 148 N 1,896,128.5674 E 1,135,715.4198 Sta 855+01.61  
 Course from 148 to 149 S 85° 50' 06.78" E Dist 763.2362  
 Point 149 N 1,896,073.1372 E 1,136,476.6405 Sta 862+64.84  
 Course from 149 to 150 S 85° 23' 46.09" E Dist 95.4162  
 Point 150 N 1,896,065.4785 E 1,136,571.7489 Sta 863+60.26  
 Course from 150 to 151 S 85° 54' 24.98" E Dist 839.7429  
 Point 151 N 1,896,005.5405 E 1,137,409.3500 Sta 872+00.00  
 Course from 151 to PC E.I290.E-8 S 85° 59' 55.70" E Dist 496.1552

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 MAINLINE CURVE DATA</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC.C2.290.ML_Data.exalign-18.cgn	DRAWN - TMB	REVISED -			290	(3031.1, ETC., 3838)RS-5	COOK	298	45			
USER NAME = tbi:ank	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 18 OF 36 SHEETS STA. TO STA.			CONTRACT NO. 60G52				
PLDT DATE = 11/12/2009	DATE = 10/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							