

**I-290 WB**

Course from PT E\_I290\_F-2 to 301 N 87° 37' 10.91" E Dist 184.8444

Point 301 N 1,895,938.1959 E 1,115,022.0373 Sta 646+16.74

Course from 301 to 302 N 87° 37' 10.91" E Dist 2,640.0615

Point 302 N 1,896,047.8434 E 1,117,659.8209 Sta 672+56.80

Course from 302 to 303 N 88° 22' 33.37" E Dist 1,312.3463

Point 303 N 1,896,085.0372 E 1,118,971.6400 Sta 685+69.14

Course from 303 to PC E\_I290\_F-3 N 88° 17' 49.42" E Dist 1,493.6121

Curve Data

Curve E\_I290\_F-3  
 P.I. Station 703+91.55 N 1,896,139.1946 E 1,120,793.2436  
 Delta = 10° 28' 07.57" (LT)  
 Degree = 1° 35' 47.14"  
 Tangent = 328.7964  
 Length = 655.7624  
 Radius = 3,589.0000  
 External = 15.0294  
 Long Chord = 654.8506  
 Mid. Ord. = 14.9667  
 P.C. Station 700+62.76 N 1,896,129.4236 E 1,120,464.5924  
 P.T. Station 707+18.52 N 1,896,208.5187 E 1,121,114.6487  
 C.C. N 1,899,716.8385 E 1,120,357.9364  
 Back = N 88° 17' 49.42" E  
 Ahead = N 77° 49' 41.85" E  
 Chord Bear = N 83° 03' 45.64" E

Course from PT E\_I290\_F-3 to PC E\_I290\_F-4 N 77° 49' 41.85" E Dist 370.0279

**I-290 WB**

Curve Data

Curve E\_I290\_F-4  
 P.I. Station 714+12.62 N 1,896,354.8654 E 1,121,793.1510  
 Delta = 10° 22' 26.28" (RT)  
 Degree = 1° 36' 17.73"  
 Tangent = 324.0777  
 Length = 646.3838  
 Radius = 3,570.0000  
 External = 14.6794  
 Long Chord = 645.5013  
 Mid. Ord. = 14.6193  
 P.C. Station 710+88.55 N 1,896,286.5362 E 1,121,476.3584  
 P.T. Station 717+34.93 N 1,896,365.0322 E 1,122,117.0692  
 C.C. N 1,892,796.7894 E 1,122,229.0648  
 Back = N 77° 49' 41.85" E  
 Ahead = N 88° 12' 08.14" E  
 Chord Bear = N 83° 00' 55.00" E

Course from PT E\_I290\_F-4 to PC E\_I290\_F-5 N 88° 12' 08.14" E Dist 1,408.2717

Curve Data

Curve E\_I290\_F-5  
 P.I. Station 737+09.83 N 1,896,425.2904 E 1,124,091.0484  
 Delta = 16° 11' 11.81" (LT)  
 Degree = 1° 26' 16.45"  
 Tangent = 566.6289  
 Length = 1,125.7104  
 Radius = 3,984.6786  
 External = 40.0862  
 Long Chord = 1,121.9706  
 Mid. Ord. = 39.6870  
 P.C. Station 731+43.20 N 1,896,409.2115 E 1,123,524.6477  
 P.T. Station 742+68.91 N 1,896,598.6255 E 1,124,630.5141  
 C.C. N 1,900,392.2856 E 1,123,411.5772  
 Back = N 88° 22' 26.18" E  
 Ahead = N 72° 11' 14.37" E  
 Chord Bear = N 80° 16' 50.27" E

Curve Data

Curve E\_I290\_F-6  
 P.I. Station 744+50.64 N 1,896,657.2491 E 1,124,802.5261  
 Delta = 3° 43' 50.11" (LT)  
 Degree = 1° 01' 36.43"  
 Tangent = 181.7275  
 Length = 363.3265  
 Radius = 5,580.1085  
 External = 2.9584  
 Long Chord = 363.2623  
 Mid. Ord. = 2.9568  
 P.C. Station 742+68.91 N 1,896,598.6255 E 1,124,630.5141  
 P.T. Station 746+32.24 N 1,896,726.9404 E 1,124,970.3593  
 C.C. N 1,901,880.4135 E 1,122,830.4232  
 Back = N 71° 10' 49.19" E  
 Ahead = N 67° 26' 59.08" E  
 Chord Bear = N 69° 18' 54.14" E

Curve Data

Curve E\_I290\_F-7  
 P.I. Station 747+95.74 N 1,896,787.8134 E 1,125,122.1093  
 Delta = 0° 21' 27.56" (RT)  
 Degree = 0° 06' 33.74"  
 Tangent = 163.5041  
 Length = 327.0070  
 Radius = 52,385.8460  
 External = 0.2552  
 Long Chord = 327.0065  
 Mid. Ord. = 0.2552  
 P.C. Station 746+32.24 N 1,896,726.9404 E 1,124,970.3593  
 P.T. Station 749+59.24 N 1,896,847.7379 E 1,125,274.2363  
 C.C. N 1,848,107.0350 E 1,144,473.7347  
 Back = N 68° 08' 32.35" E  
 Ahead = N 68° 29' 59.91" E  
 Chord Bear = N 68° 19' 16.13" E

Course from PT E\_I290\_F-7 to PC E\_I290\_F-8 N 68° 05' 28.15" E Dist 252.8502

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...xexpln\ABC_C2_290_ML_Data_exalign_14.cgn	DRAWN - TMB	REVISED -			<b>I-290 MAINLINE CURVE DATA</b>			290	(3131, ETC., 3435)RS-6	COOK	215	34	
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.	SHEET NO. 10 OF 16 SHEETS	STA.	TO STA.	CONTRACT NO. 60K10				
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								