

I-290 EB

Point 120 N 1,895,912.0746 E 1,111,216.8362 Sta 608+04.76

Course from 120 to 121 N 87° 34' 07.41" E Dist 216.5538

Point 121 N 1,895,921.2610 E 1,111,433.1952 Sta 610+21.31

Course from 121 to 122 N 87° 34' 07.41" E Dist 912.3746

Point 122 N 1,895,959.9649 E 1,112,344.7484 Sta 619+33.69

Course from 122 to PC E.I290.E-1 N 87° 34' 08.73" E Dist 791.3793

Curve Data

Curve E.I290.E-1
 P.I. Station = 630+70.43 N 1,896,008.1792 E 1,113,480.4641
 Delta = 8° 46' 38.27" (RT)
 Degree = 1° 16' 23.66"
 Tangent = 345.3593
 Length = 689.3673
 Radius = 4,500.0000
 External = 13.2331
 Long Chord = 688.6935
 Mid. Ord. = 13.1943
 P.C. Station = 627+25.07 N 1,895,993.5309 E 1,113,135.4155
 P.T. Station = 634+14.44 N 1,895,970.0035 E 1,113,823.7070
 C.C. = N 1,891,497.5805 E 1,113,326.2813
 Back = N 87° 34' 08.73" E
 Ahead = S 83° 39' 13.00" E
 Chord Bear = S 88° 02' 32.13" E

Course from PT E.I290.E-1 to PC E.I290.E-2 S 83° 39' 13.00" E Dist 298.1027

Curve Data

Curve E.I290.E-2
 P.I. Station = 641+07.18 N 1,895,893.4276 E 1,114,512.2115
 Delta = 9° 37' 45.20" (LT)
 Degree = 1° 13' 22.29"
 Tangent = 394.6471
 Length = 787.4356
 Radius = 4,685.3978
 External = 16.5910
 Long Chord = 786.5092
 Mid. Ord. = 16.5325
 P.C. Station = 637+12.54 N 1,895,937.0515 E 1,114,119.9828
 P.T. Station = 644+99.97 N 1,895,916.0270 E 1,114,906.2110
 C.C. = N 1,900,593.7362 E 1,114,637.9022
 Back = S 83° 39' 13.00" E
 Ahead = N 86° 43' 01.81" E
 Chord Bear = S 88° 28' 05.60" E

Course from PT E.I290.E-2 to 123 N 86° 59' 04.17" E Dist 116.8657

Point 123 N 1,895,922.1749 E 1,115,022.9149 Sta 646+16.84

Course from 123 to 124 N 87° 39' 08.20" E Dist 2,615.6033

Point 124 N 1,896,029.3206 E 1,117,636.3226 Sta 672+32.44

Course from 124 to 125 N 87° 31' 30.49" E Dist 61.2265

Point 125 N 1,896,031.9644 E 1,117,697.4920 Sta 672+93.67

Course from 125 to 126 N 88° 18' 06.57" E Dist 1,274.5891

Point 126 N 1,896,069.7361 E 1,118,971.5213 Sta 685+68.26

Course from 126 to 127 N 88° 21' 09.61" E Dist 1,332.7237

Point 127 N 1,896,108.0484 E 1,120,303.6943 Sta 699+00.98

Course from 127 to PC E.I290.E-3 N 88° 52' 51.36" E Dist 64.7290

I-290 EB

Curve Data

Curve E.I290.E-3
 P.I. Station = 703+25.94 N 1,896,116.3478 E 1,120,728.5679
 Delta = 11° 15' 59.42" (LT)
 Degree = 1° 34' 07.93"
 Tangent = 360.2257
 Length = 718.1284
 Radius = 3,652.0395
 External = 17.7228
 Long Chord = 716.9720
 Mid. Ord. = 17.6372
 P.C. Station = 699+65.71 N 1,896,109.3126 E 1,120,368.4109
 P.T. Station = 706+83.84 N 1,896,193.6124 E 1,121,080.4098
 C.C. = N 1,899,760.6556 E 1,120,297.0860
 Back = N 88° 52' 51.36" E
 Ahead = N 77° 36' 51.94" E
 Chord Bear = N 83° 14' 51.65" E

Course from PT E.I290.E-3 to PC E.I290.E-4 N 77° 47' 52.70" E Dist 321.2188

Curve Data

Curve E.I290.E-4
 P.I. Station = 713+77.60 N 1,896,347.0502 E 1,121,756.9599
 Delta = 11° 22' 05.34" (RT)
 Degree = 1° 31' 50.79"
 Tangent = 372.5428
 Length = 742.6396
 Radius = 3,742.9232
 External = 18.4944
 Long Chord = 741.4221
 Mid. Ord. = 18.4034
 P.C. Station = 710+05.06 N 1,896,261.5051 E 1,121,394.3718
 P.T. Station = 717+47.70 N 1,896,359.4465 E 1,122,129.2964
 C.C. = N 1,892,618.5959 E 1,122,253.8408
 Back = N 76° 43' 30.00" E
 Ahead = N 88° 05' 35.34" E
 Chord Bear = N 82° 24' 32.67" E

Course from PT E.I290.E-4 to PC E.I290.E-5 N 88° 12' 18.78" E Dist 1,477.3978

Curve Data

Curve E.I290.E-5
 P.I. Station = 739+04.05 N 1,896,429.1131 E 1,124,284.5218
 Delta = 19° 57' 46.13" (LT)
 Degree = 1° 29' 06.60"
 Tangent = 678.9556
 Length = 1,344.1464
 Radius = 3,857.8685
 External = 59.2899
 Long Chord = 1,337.3579
 Mid. Ord. = 58.3925
 P.C. Station = 732+25.10 N 1,896,405.7182 E 1,123,605.9694
 P.T. Station = 745+69.24 N 1,896,682.7671 E 1,124,914.3157
 C.C. = N 1,900,261.2958 E 1,123,473.0379
 Back = N 88° 01' 31.28" E
 Ahead = N 68° 03' 45.15" E
 Chord Bear = N 78° 02' 38.21" E

Course from PT E.I290.E-5 to 128 N 68° 03' 45.15" E Dist 375.9525

Point 128 N 1,896,823.2208 E 1,125,263.0463 Sta 749+45.19

Course from 128 to 129 N 68° 23' 05.70" E Dist 77.3881

Point 129 N 1,896,851.7282 E 1,125,334.9924 Sta 750+22.58

Course from 129 to 130 N 68° 05' 26.92" E Dist 262.4444

Point 130 N 1,896,949.6558 E 1,125,578.4821 Sta 752+85.03

Course from 130 to 131 N 70° 03' 19.97" E Dist 72.6022

Point 131 N 1,896,974.4211 E 1,125,646.7300 Sta 753+57.63

Course from 131 to PC E.I290.E-6 N 71° 28' 00.87" E Dist 71.4099

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 MAINLINE CURVE DATA				F.A.I. RTE. 290	SECTION (3031.1, ETC., 3838RS-5	COUNTY COOK	TOTAL SHEETS 298	SHEET NO. 44	
...\\exp1h_abc_c2_290_ml_data_exalign_17.cgn	DRAWN - TMB	REVISED -			SCALE: N.T.S. SHEET NO. 17 OF 36 SHEETS STA. TO STA.				CONTRACT NO. 60G52					
USER NAME = tbi:ank	CHECKED - JMM	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									
DATE = 11/12/2009	DATE = 10/16/09	REVISED -												