

RAMP E_17TH_A

Curve Data

Curve E_17TH_A-1
 P.I. Station 0+45.08 N 1,896,044.0246 E 1,113,754.3198
 Delta = 2° 55' 33.09" (LT)
 Degree = 3° 14' 46.47"
 Tangent = 45.0751
 Length = 90.1306
 Radius = 1,764.9886
 External = 0.5755
 Long Chord = 90.1208
 Mid. Ord. = 0.5753
 P.C. Station 0+00.00 N 1,896,047.4567 E 1,113,709.3755
 P.T. Station 0+90.13 N 1,896,042.8911 E 1,113,799.3806
 C.C. N 1,897,807.3215 E 1,113,843.7653
 Back = S 85° 37' 59.37" E
 Ahead = S 88° 33' 32.46" E
 Chord Bear = S 87° 05' 45.91" E

Course from PT E_17TH_A-1 to 1351 N 89° 00' 11.06" E Dist 355.6184

Point 1351 N 1,896,049.0784 E 1,114,154.9452 Sta 4+45.75

RAMP E_17TH_B

Curve Data

Curve E_17TH_B-1
 P.I. Station 1+04.18 N 1,895,881.0815 E 1,114,166.1180
 Delta = 7° 10' 54.95" (RT)
 Degree = 3° 27' 05.34"
 Tangent = 104.1777
 Length = 208.0825
 Radius = 1,660.0336
 External = 3.2657
 Long Chord = 207.9463
 Mid. Ord. = 3.2593
 P.C. Station 0+00.00 N 1,895,895.1059 E 1,114,062.8887
 P.T. Station 2+08.08 N 1,895,854.2613 E 1,114,266.7841
 C.C. N 1,894,250.1832 E 1,113,839.4145
 Back = S 82° 15' 48.01" E
 Ahead = S 75° 04' 53.06" E
 Chord Bear = S 78° 40' 20.54" E

Curve Data

Curve E_17TH_B-2
 P.I. Station 2+93.66 N 1,895,832.5140 E 1,114,349.5477
 Delta = 9° 41' 53.02" (LT)
 Degree = 5° 40' 48.38"
 Tangent = 85.5731
 Length = 170.7374
 Radius = 1,008.7100
 External = 3.6233
 Long Chord = 170.5336
 Mid. Ord. = 3.6103
 P.C. Station 2+08.08 N 1,895,854.2613 E 1,114,266.7841
 P.T. Station 3+78.82 N 1,895,825.0196 E 1,114,434.7920
 C.C. N 1,896,829.8536 E 1,114,523.1347
 Back = S 75° 16' 39.16" E
 Ahead = S 84° 58' 32.18" E
 Chord Bear = S 80° 07' 35.67" E

Course from PT E_17TH_B-2 to 1361 S 84° 46' 46.08" E Dist 282.1413

Point 1361 N 1,895,799.3477 E 1,114,715.7629 Sta 6+60.96

RAMP E_17TH_C

Point 1370 N 1,896,030.6542 E 1,116,379.5039 Sta 0+00.00
 Course from 1370 to 1371 N 89° 12' 24.70" W Dist 314.3178
 Point 1371 N 1,896,035.0051 E 1,116,065.2162 Sta 3+14.32
 Course from 1371 to 1372 N 86° 07' 38.73" W Dist 179.2127
 Point 1372 N 1,896,047.1088 E 1,115,886.4127 Sta 4+93.53
 Course from 1372 to 1373 N 85° 20' 55.33" W Dist 272.2371
 Point 1373 N 1,896,069.1848 E 1,115,615.0722 Sta 7+65.77

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...expln_ABC_C2_290_R_Data_exalign_31.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	47		
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.		SHEET NO. 22 OF 22 SHEETS	STA.	TO STA.	CONTRACT NO. 60G52	
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				