

**RAMP E\_17TH\_A**

Curve Data  
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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  
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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  
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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 -
...\\expln_48C_C2_298_R_Data.exalign-31.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 11/12/2009	DATE = 10/16/09	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN  
I-290 RAMP CURVE DATA**

SCALE: N.T.S. SHEET NO. 31 OF 36 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3031.1, ETC., 3838)RS-5	COOK	298	58
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	