

RAMP E_HARLM_A

Point 1210 N 1,897,111.1855 E 1,127,004.5065 Sta 0+00.00
 Course from 1210 to PC E_HARLM_A-1 S 86° 35' 03.18" E Dist 132.1088

Curve Data

Curve E_HARLM_A-1
 P.I. Station 2+55.16 N 1,897,101.0006 E 1,127,259.4143
 Delta = 3° 12' 43.38" (RT)
 Degree = 1° 18' 19.67"
 Tangent = 123.0555
 Length = 246.0465
 Radius = 4,388.9206
 External = 1.7248
 Long Chord = 246.0143
 Mid. Ord. = 1.7241
 P.C. Station 1+32.11 N 1,897,103.3143 E 1,127,136.3806
 P.T. Station 3+78.16 N 1,897,091.7967 E 1,127,382.1251
 C.C. N 1,892,715.1695 E 1,127,053.8587
 Back = S 88° 55' 21.52" E
 Ahead = S 85° 42' 38.14" E
 Chord Bear = S 87° 18' 59.83" E

Curve Data

Curve E_HARLM_A-2
 P.I. Station 4+28.13 N 1,897,089.2878 E 1,127,432.0336
 Delta = 4° 08' 08.56" (RT)
 Degree = 4° 08' 23.53"
 Tangent = 49.9715
 Length = 99.8996
 Radius = 1,384.0000
 External = 0.9019
 Long Chord = 99.8779
 Mid. Ord. = 0.9013
 P.C. Station 3+78.16 N 1,897,091.7967 E 1,127,382.1251
 P.T. Station 4+78.05 N 1,897,083.1860 E 1,127,481.6312
 C.C. N 1,895,709.5422 E 1,127,312.6386
 Back = S 87° 07' 19.70" E
 Ahead = S 82° 59' 11.13" E
 Chord Bear = S 85° 03' 15.42" E

Course from PT E_HARLM_A-2 to 1211 S 82° 59' 11.13" E Dist 759.0431

Point 1211 N 1,896,990.5035 E 1,128,234.9946 Sta 12+37.10

RAMP E_HARLM_D

Point 1240 N 1,896,898.8719 E 1,129,168.0916 Sta 7+25.19

Course from 1240 to 1241 N 83° 04' 53.29" W Dist 440.4401

Point 1241 N 1,896,951.9264 E 1,128,730.8586 Sta 11+65.63

Course from 1241 to 1242 N 81° 53' 08.12" W Dist 182.3172

Point 1242 N 1,896,977.6606 E 1,128,550.3667 Sta 13+47.95

Course from 1242 to 1243 N 82° 38' 48.28" W Dist 215.3614

Point 1243 N 1,897,005.2239 E 1,128,336.7764 Sta 15+63.31

RAMP E_HARLM_B

Point 1220 N 1,897,141.7171 E 1,127,197.8051 Sta 0+00.00

Course from 1220 to 1221 S 81° 22' 05.07" E Dist 330.3251

Point 1221 N 1,897,092.1398 E 1,127,524.3886 Sta 3+30.33

Course from 1221 to 1222 S 81° 45' 53.23" E Dist 167.0351

Point 1222 N 1,897,068.2142 E 1,127,689.7013 Sta 4+97.36

Course from 1222 to 1223 S 83° 02' 55.12" E Dist 543.4633

Point 1223 N 1,897,002.4407 E 1,128,229.1697 Sta 10+40.82

RAMP E_HARLM_C

Point 1230 N 1,896,803.6843 E 1,129,887.2444 Sta 0+00.00

Course from 1230 to 1231 N 83° 55' 14.42" W Dist 225.1704

Point 1231 N 1,896,827.5310 E 1,129,663.3403 Sta 2+25.17

Course from 1231 to 1232 N 83° 55' 14.42" W Dist 500.0189

Point 1232 N 1,896,880.4857 E 1,129,166.1334 Sta 7+25.19

RAMP E_HARLM_E

Point 1250 N 1,896,832.0401 E 1,129,352.2126 Sta 0+00.00

Course from 1250 to 1251 N 79° 04' 28.85" W Dist 245.4060

Point 1251 N 1,896,878.5517 E 1,129,111.2546 Sta 2+45.41

Course from 1251 to 1252 N 82° 57' 20.21" W Dist 359.3236

Point 1252 N 1,896,922.6185 E 1,128,754.6434 Sta 6+04.73

Course from 1252 to 1253 N 82° 13' 01.27" W Dist 243.1589

Point 1253 N 1,896,955.5474 E 1,128,513.7244 Sta 8+47.89

Course from 1253 to 1254 N 83° 03' 07.61" W Dist 203.8129

Point 1254 N 1,896,980.2019 E 1,128,311.4082 Sta 10+51.70

FILE NAME =	DESIGNED - AJP	REVISED -
...expln_ABC_C2_290_R_Data.exceligr-35.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. 35 OF 36 SHEETS	STA.	TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3031.1, ETC., 3838RS-5)	COOK	298	62
CONTRACT NO. 60G52				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				