

**RAMP E DAMEN\_A**

Point 1860 N 1,898,099.5621 E 1,161,402.1433 Sta 0+00.00  
 Course from 1860 to 1861 S 82° 50' 38.93" E Dist 192.1289  
 Point 1861 N 1,898,075.6289 E 1,161,592.7757 Sta 1+92.13  
 Course from 1861 to 1862 S 82° 11' 39.31" E Dist 181.5361  
 Point 1862 N 1,898,050.9736 E 1,161,772.6297 Sta 3+73.66  
 Course from 1862 to 1863 S 88° 46' 43.44" E Dist 56.6500  
 Point 1863 N 1,898,049.7662 E 1,161,829.2668 Sta 4+30.31  
 Course from 1863 to 1864 N 89° 03' 40.52" E Dist 541.2285  
 Point 1864 N 1,898,058.6334 E 1,162,370.4226 Sta 9+71.54  
 Course from 1864 to PC E DAMEN A-1 N 87° 27' 00.71" E Dist 104.5201

Curve Data

Curve E DAMEN A-1  
 P.I. Station 11+48.81 N 1,898,066.5193 E 1,162,547.5090  
 Delta = 9° 55' 19.69" (LT)  
 Degree = 6° 50' 13.94"  
 Tangent = 72.7418  
 Length = 145.1198  
 Radius = 838.0000  
 External = 3.1512  
 Long Chord = 144.9385  
 Mid. Ord. = 3.1394  
 P.C. Station 10+76.06 N 1,898,063.2832 E 1,162,474.8392  
 P.T. Station 12+21.18 N 1,898,082.2287 E 1,162,618.5342  
 C.C. N 1,898,900.4535 E 1,162,437.5585  
 Back = N 87° 27' 00.71" E  
 Ahead = N 77° 31' 41.02" E  
 Chord Bear = N 82° 29' 20.87" E

Course from PT E DAMEN A-1 to 1865 N 77° 31' 41.02" E Dist 252.6108

Point 1865 N 1,898,136.7829 E 1,162,865.1838 Sta 14+73.79

**RAMP E DAMEN\_B**

Point 1870 N 1,897,736.8831 E 1,162,869.8137 Sta 0+00.00  
 Course from 1870 to 1871 N 83° 31' 38.47" W Dist 123.2384  
 Point 1871 N 1,897,750.7756 E 1,162,747.3608 Sta 1+23.24  
 Course from 1871 to PC E DAMEN B-1 N 83° 34' 31.59" W Dist 452.9715

Curve Data

Curve E DAMEN B-1  
 P.I. Station 6+61.28 N 1,897,810.9792 E 1,162,212.7028  
 Delta = 7° 22' 08.11" (LT)  
 Degree = 4° 20' 14.29"  
 Tangent = 85.0654  
 Length = 169.8963  
 Radius = 1,321.0000  
 External = 2.7360  
 Long Chord = 169.7792  
 Mid. Ord. = 2.7304  
 P.C. Station 5+76.21 N 1,897,801.4608 E 1,162,297.2340  
 P.T. Station 7+46.11 N 1,897,809.5772 E 1,162,127.6489  
 C.C. N 1,896,488.7566 E 1,162,149.4209  
 Back = N 83° 34' 31.59" W  
 Ahead = S 89° 03' 20.30" W  
 Chord Bear = N 87° 15' 35.65" W

Course from PT E DAMEN B-1 to PC E DAMEN B-2 S 89° 03' 20.30" W Dist 307.6960

Curve Data

Curve E DAMEN B-2  
 P.I. Station 11+60.52 N 1,897,802.7471 E 1,161,713.2937  
 Delta = 13° 50' 39.47" (LT)  
 Degree = 6° 31' 05.85"  
 Tangent = 106.7155  
 Length = 212.3915  
 Radius = 879.0000  
 External = 6.4542  
 Long Chord = 211.8752  
 Mid. Ord. = 6.4072  
 P.C. Station 10+53.80 N 1,897,804.5059 E 1,161,819.9947  
 P.T. Station 12+66.19 N 1,897,775.5075 E 1,161,610.1133  
 C.C. N 1,896,925.6253 E 1,161,834.4819  
 Back = S 89° 03' 20.30" W  
 Ahead = S 75° 12' 40.83" W  
 Chord Bear = S 82° 08' 00.56" W

Course from PT E DAMEN B-2 to 1872 S 75° 12' 40.83" W Dist 255.1687

Point 1872 N 1,897,710.3746 E 1,161,363.3974 Sta 15+21.36

FILE NAME =	DESIGNED - CAG	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN CURVE DATA</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC_C3_290_R_Data_exalign_29.dgn	DRAWN - DMS	REVISED -						290	(28288,0, ETC., 3031,1RS-6	COOK	185	44
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 29 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		