

RAMP E_RNORTH_H

Point 720 N 1,909,906.9259 E 1,094,110.7069 Sta 0+00.00
 Course from 720 to 721 S 66° 19' 41.31" E Dist 696.0136
 Point 721 N 1,909,627.4779 E 1,094,748.1578 Sta 6+96.01
 Course from 721 to PC E RNORTH H-1 S 65° 27' 02.87" E Dist 459.6336

Curve Data

Curve E RNORTH H-1
 P.I. Station 11+58.78 N 1,909,435.2086 E 1,095,169.0960
 Delta = 0° 09' 13.47" (LT)
 Degree = 2° 27' 02.28"
 Tangent = 3.1368
 Length = 6.2735
 Radius = 2,338.0000
 External = 0.0021
 Long Chord = 6.2735
 Mid. Ord. = 0.0021
 P.C. Station 11+55.65 N 1,909,436.5118 E 1,095,166.2428
 P.T. Station 11+61.92 N 1,909,433.9130 E 1,095,171.9527
 C.C. N 1,911,563.1679 E 1,096,137.6221
 Back = S 65° 27' 02.87" E
 Ahead = S 65° 36' 16.34" E
 Chord Bear = S 65° 31' 39.61" E

RAMP E_RNORTH_I

Course from PT E RNORTH I-1 to PC E RNORTH I-2 S 80° 58' 24.46" E Dist 78.4809

Curve Data

Curve E RNORTH I-1
 P.I. Station 14+80.81 N 1,909,280.3006 E 1,095,452.4383
 Delta = 15 33/64 22' 40.21" (LT)
 Degree = 2 33/64 25' 32.63"
 Tangent = 318.8898
 Length = 633.9464
 Radius = 2,362.0000
 External = 21.4292
 Long Chord = 632.0453
 Mid. Ord. = 21.2365
 P.C. Station 11+61.92 N 1,909,412.0575 E 1,095,162.0407
 P.T. Station 17+95.87 N 1,909,230.2693 E 1,095,767.3789
 C.C. N 1,911,563.0178 E 1,096,137.9576
 Back = S 65 33/64 35' 44.25" E
 Ahead = S 80 33/64 58' 24.46" E
 Chord Bear = S 73 33/64 17' 04.36" E

Curve Data

Curve E RNORTH I-2
 P.I. Station 19+93.86 N 1,909,199.2056 E 1,095,962.9213
 Delta = 34 ° 04' 29.46" (RT)
 Degree = 14° 41' 28.41"
 Tangent = 119.5136
 Length = 231.9401
 Radius = 390.0000
 External = 17.9013
 Long Chord = 228.5371
 Mid. Ord. = 17.1157
 P.C. Station 18+74.35 N 1,909,217.9563 E 1,095,844.8878
 P.T. Station 21+06.29 N 1,909,117.5430 E 1,096,050.1836
 C.C. N 1,908,832.7862 E 1,095,783.7000
 Back = S 80° 58' 24.46" E
 Ahead = S 46° 53' 55.00" E
 Chord Bear = S 63° 56' 09.73" E

Course from PT E RNORTH I-2 to PC E RNORTH I-3 S 46° 53' 55.00" E Dist 159.3570

Curve Data

Curve E RNORTH I-3
 P.I. Station 23+41.77 N 1,908,956.6423 E 1,096,222.1175
 Delta = 30° 25' 05.20" (LT)
 Degree = 20° 27' 46.00"
 Tangent = 76.1218
 Length = 148.6509
 Radius = 280.0000
 External = 10.1629
 Long Chord = 146.9113
 Mid. Ord. = 9.8070
 P.C. Station 22+65.64 N 1,909,008.6557 E 1,096,166.5374
 P.T. Station 24+14.30 N 1,908,939.9289 E 1,096,296.3818
 C.C. N 1,909,213.0965 E 1,096,357.8591
 Back = S 46° 53' 55.00" E
 Ahead = S 77° 19' 00.20" E
 Chord Bear = S 62° 06' 27.60" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C4_290_R_Data_exalign_62.dgn	DRAWN - TMB	REVISED -						290	2009-099BR	COOK/DUPAGE	309	32
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 18 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			