

FRONTAGE RD B / MERGE LN

Curve Data

Curve E FRONT B-9
 P.I. Station = 582+64.05 N 1,895,729.3755 E 1,108,754.0486
 Delta = 3° 55' 12.03" (RT)
 Degree = 3° 31' 09.83"
 Tangent = 55.7132
 Length = 111.3829
 Radius = 1,628.0000
 External = 0.9530
 Long Chord = 111.3612
 Mid. Ord. = 0.9525
 P.C. Station = 582+08.33 N 1,895,717.3492 E 1,108,699.6489
 P.T. Station = 583+19.72 N 1,895,737.6548 E 1,108,809.1432
 C.C. = N 1,894,127.7309 E 1,109,051.0714
 Back = N 77° 32' 02.14" E
 Ahead = N 81° 27' 14.17" E
 Chord Bear = N 79° 29' 38.15" E

FRONTAGE RD C / MERGE LN

Curve Data

Curve E FRONT C-1
 P.I. Station = 584+87.50 N 1,895,754.1528 E 1,108,976.5601
 Delta = 6° 09' 51.58" (RT)
 Degree = 1° 50' 19.54"
 Tangent = 167.7837
 Length = 335.2437
 Radius = 3,116.0000
 External = 4.5140
 Long Chord = 335.0820
 Mid. Ord. = 4.5074
 P.C. Station = 583+19.72 N 1,895,725.6172 E 1,108,811.2207
 P.T. Station = 586+54.96 N 1,895,764.7691 E 1,109,144.0076
 C.C. = N 1,892,655.0130 E 1,109,341.1697
 Back = N 80° 12' 28.47" E
 Ahead = N 86° 22' 20.06" E
 Chord Bear = N 83° 17' 24.26" E

Course from PT E FRONT C-1 to 1181 N 86° 22' 20.06" E Dist 99.8653

Point 1181 N 1,895,771.0880 E 1,109,243.6727 Sta 587+54.83

Course from 1181 to 1182 N 86° 25' 06.63" E Dist 551.5756

Point 1182 N 1,895,805.5439 E 1,109,794.1711 Sta 593+06.40

RAMP E_WOLF_A

Curve Data

Curve E WOLF A-1
 P.I. Station = 0+99.05 N 1,895,592.1044 E 1,104,220.5465
 Delta = 2° 57' 31.97" (RT)
 Degree = 1° 29' 38.50"
 Tangent = 99.0456
 Length = 198.0472
 Radius = 3,834.9886
 External = 1.2788
 Long Chord = 198.0252
 Mid. Ord. = 1.2784
 P.C. Station = 0+00.00 N 1,895,558.3257 E 1,104,313.6541
 P.T. Station = 1+98.05 N 1,895,630.6442 E 1,104,129.3066
 C.C. = N 1,899,163.3994 E 1,105,621.5461
 Back = N 70° 03' 34.67" W
 Ahead = N 67° 06' 02.71" W
 Chord Bear = N 68° 34' 48.69" W

Course from PT E WOLF A-1 to PC E WOLF A-2 N 67° 06' 02.71" W Dist 254.8921

Curve Data

Curve E WOLF A-2
 P.I. Station = 5+51.13 N 1,895,768.0333 E 1,103,804.0491
 Delta = 28° 00' 30.90" (LT)
 Degree = 14° 33' 11.37"
 Tangent = 98.1918
 Length = 192.4571
 Radius = 393.7000
 External = 12.0602
 Long Chord = 190.5465
 Mid. Ord. = 11.7017
 P.C. Station = 4+52.94 N 1,895,729.8257 E 1,103,894.5024
 P.T. Station = 6+45.40 N 1,895,759.2887 E 1,103,706.2475
 C.C. = N 1,895,367.1531 E 1,103,741.3091
 Back = N 67° 06' 02.71" W
 Ahead = S 84° 53' 26.39" W
 Chord Bear = N 81° 3/4 06' 18.16" W

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_22.dgn	DRAWN - TMB	REVISED -					290	(3435, ETC., 3838)RS-5	COOK	264	38	
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.		SHEET NO. 13 OF 22 SHEETS	STA.	TO STA.	CONTRACT NO. 60652		
PLOT DATE = 1/25/2010	DATE 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					