

**RAMP E\_ARMY\_F**

Point 1020 N 1,916,108.8909 E 1,064,559.1936 Sta 0+00.00

Course from 1020 to PC E ARMY F-1 N 0° 19' 57.11" W Dist 402.6052

Curve Data  
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Curve E ARMY F-1  
 P.I. Station 4+45.57 N 1,916,554.4582 E 1,064,556.6076  
 Delta = 0° 04' 54.46" (LT)  
 Degree = 0° 05' 42.63"  
 Tangent = 42.9696  
 Length = 85.9392  
 Radius = 60,200.0000  
 External = 0.0153  
 Long Chord = 85.9392  
 Mid. Ord. = 0.0153  
 P.C. Station 4+02.61 N 1,916,511.4894 E 1,064,556.8570  
 P.T. Station 4+88.54 N 1,916,597.4267 E 1,064,556.2969  
 C.C. N 1,916,162.1047 E 1,004,357.8709  
 Back = N 0° 19' 57.11" W  
 Ahead = N 0° 24' 51.57" W  
 Chord Bear = N 0° 22' 24.34" W

Course from PT E ARMY F-1 to PC E ARMY F-2 N 0° 24' 51.57" W Dist 568.7965

Curve Data  
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Curve E ARMY F-2  
 P.I. Station 13+21.67 N 1,917,430.5286 E 1,064,550.2724  
 Delta = 8° 17' 02.67" (LT)  
 Degree = 1° 34' 11.09"  
 Tangent = 264.3271  
 Length = 527.7330  
 Radius = 3,650.0000  
 External = 9.5586  
 Long Chord = 527.2734  
 Mid. Ord. = 9.5336  
 P.C. Station 10+57.34 N 1,917,166.2084 E 1,064,552.1838  
 P.T. Station 15+85.07 N 1,917,691.8154 E 1,064,510.2973  
 C.C. N 1,917,139.8143 E 1,060,902.2792  
 Back = N 0° 24' 51.57" W  
 Ahead = N 8° 41' 54.24" W  
 Chord Bear = N 4° 33' 22.90" W

**RAMP E\_ARMY\_F**

Curve Data  
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Curve E ARMY F-3  
 P.I. Station 16+37.91 N 1,917,744.0416 E 1,064,502.3071  
 Delta = 16° 44' 39.07" (LT)  
 Degree = 15° 57' 35.38"  
 Tangent = 52.8339  
 Length = 104.9146  
 Radius = 359.0000  
 External = 3.8669  
 Long Chord = 104.5416  
 Mid. Ord. = 3.8257  
 P.C. Station 15+85.07 N 1,917,691.8154 E 1,064,510.2973  
 P.T. Station 16+89.99 N 1,917,791.7514 E 1,064,479.6093  
 C.C. N 1,917,637.5227 E 1,064,155.4265  
 Back = N 8° 41' 54.24" W  
 Ahead = N 25° 26' 33.31" W  
 Chord Bear = N 17° 04' 13.77" W

Curve Data  
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Curve E ARMY F-4  
 P.I. Station 19+27.62 N 1,918,006.3333 E 1,064,377.5228  
 Delta = 54° 36' 50.81" (LT)  
 Degree = 12° 26' 55.17"  
 Tangent = 237.6280  
 Length = 438.7149  
 Radius = 460.2567  
 External = 57.7233  
 Long Chord = 422.2938  
 Mid. Ord. = 51.2907  
 P.C. Station 16+89.99 N 1,917,791.7514 E 1,064,479.6093  
 P.T. Station 21+28.70 N 1,918,047.3654 E 1,064,143.4642  
 C.C. N 1,917,594.0222 E 1,064,063.9901  
 Back = N 25° 26' 33.31" W  
 Ahead = N 80° 03' 24.12" W  
 Chord Bear = N 52° 44' 58.72" W

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-355 CURVE DATA</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_48C.C1.355.R_Data.exalign_34.dgn	DRAWN - TMB	REVISED -				* 2201, 1-1, 2&3/RS-7	DUPAGE	546	51	
USER NAME = jmb_jakski	CHECKED - JMM	REVISED -				*290,355	CONTRACT NO. 60651			
PLD DATE = 11/13/2009	DATE = 10/16/09	REVISED -				FED. ROAD DIST. NO.	[ILLINOIS] FED. AID PROJECT			
			SCALE: N.T.S.		SHEET NO. 26 OF 44 SHEETS	STA.	TO STA.			