

19

Chain SCHNAKE contains:

D108 CUR SC32 D111

Beginning chain SCHNAKE description

Description: SIDEROAD OFF OF ALEXANDER

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Point D108 N 422,477.4697 E 957,264.8295 Sta 10+00.000

Course from D108 to PC SC32 N 45° 11' 35.849" E Dist 77.0075

Curve Data

Curve SC32

Description: SCHNAKE

P.I. Station 11+23.693 N 422,564.6383 E 957,352.5883

Delta = 44° 11' 25.672" (RT)

Degree = 49° 49' 20.701"

Tangent = 46.6855

Length = 88.6959

Radius = 115.0000

External = 9.1150

Long Chord = 86.5138

Mid. Ord. = 8.4456

P.C. Station 10+77.008 N 422,531.7382 E 957,319.4654

P.T. Station 11+65.703 N 422,565.1404 E 957,399.2711

C.C. N 422,450.1471 E 957,400.5079

Back = N 45° 11' 35.849" E

Ahead = N 89° 23' 01.520" E

Chord Bear = N 67° 17' 18.685" E

Course from PT SC32 to D111 N 89° 23' 01.520" E Dist 188.6642

Point D111 N 422,567.1696 E 957,587.9243 Sta 13+54.368

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Ending chain SCHNAKE description

20

Chain ALEXANDER contains:

D103 CUR SC30 CUR SC31 D16

Beginning chain ALEXANDER description

Description: SIDEROAD

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Point D103 N 422,556.8584 E 956,919.0474 Sta 0+13.200

Course from D103 to PC SC30 N 89° 18' 08.914" E Dist 147.3360

Curve Data

Curve SC30

Description: ALEXANDER

P.I. Station 3+09.698 N 422,560.4679 E 957,215.5235

Delta = 56° 57' 05.406" (RT)

Degree = 20° 50' 05.384"

Tangent = 149.1622

Length = 273.3476

Radius = 275.0000

External = 37.8488

Long Chord = 262.2327

Mid. Ord. = 33.2698

P.C. Station 1+60.536 N 422,558.6520 E 957,066.3724

P.T. Station 4+33.884 N 422,436.4384 E 957,298.3850

C.C. N 422,283.6724 E 957,069.7202

Back = N 89° 18' 08.914" E

Ahead = S 33° 44' 45.680" E

Chord Bear = S 62° 13' 18.383" E

Course from PT SC30 to PC SC31 S 33° 44' 45.680" E Dist 244.7124

Curve Data

Curve SC31

Description: ALEXANDER

P.I. Station 7+42.936 N 422,179.4590 E 957,470.0673

Delta = 26° 20' 10.987" (LT)

Degree = 20° 50' 05.384"

Tangent = 64.3396

Length = 126.4056

Radius = 275.0000

External = 7.4263

Long Chord = 125.2957

Mid. Ord. = 7.2310

P.C. Station 6+78.596 N 422,232.9580 E 957,434.3258

P.T. Station 8+05.002 N 422,147.3694 E 957,525.8332

C.C. N 422,385.7239 E 957,662.9906

Back = S 33° 44' 45.680" E

Ahead = S 60° 04' 56.667" E

Chord Bear = S 46° 54' 51.173" E

Course from PT SC31 to D16 S 60° 04' 56.667" E Dist 195.0000

Point D16 N 422,050.1124 E 957,694.8482 Sta 10+00.002

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Ending chain ALEXANDER description

21

Chain COOK_STH contains:

D18 CUR SC33 CUR SC34 D119

Beginning chain COOK_STH description

Description: SIDEROAD

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Point D18 N 422,050.1124 E 957,694.8482 Sta 10+00.000

Course from D18 to PC SC33 S 60° 04' 56.668" E Dist 195.0000

Curve Data

Curve SC33

Description: COOK SOUTH

P.I. Station 14+25.594 N 421,843.8581 E 958,067.0706

Delta = 79° 57' 40.560" (LT)

Degree = 20° 50' 05.384"

Tangent = 230.5940

Length = 383.7865

Radius = 275.0000

External = 83.8852

Long Chord = 353.3908

Mid. Ord. = 64.2780

P.C. Station 11+95.000 N 421,952.8554 E 957,863.8633

P.T. Station 15+78.787 N 422,024.9546 E 958,209.8209

C.C. N 422,195.1947 E 957,993.8503

Back = S 61° 47' 29.683" E

Ahead = N 38° 14' 49.757" E

Chord Bear = N 78° 13' 40.037" E

Course from PT SC33 to PC SC34 N 38° 19' 39.347" E Dist 578.1115

Curve Data

Curve SC34

Description: COOK SOUTH

P.I. Station 22+90.053 N 422,582.9270 E 958,650.9176

Delta = 51° 40' 20.653" (RT)

Degree = 20° 50' 05.384"

Tangent = 133.1546

Length = 248.0097

Radius = 275.0000

External = 30.5408

Long Chord = 239.6899

Mid. Ord. = 27.4880

P.C. Station 21+56.898 N 422,478.4702 E 958,568.3408

P.T. Station 24+04.908 N 422,582.9270 E 958,784.0722

C.C. N 422,307.9270 E 958,784.0722

Back = N 38° 19' 39.347" E

Ahead = Due East

Chord Bear = N 64° 09' 49.673" E

Course from PT SC34 to D119 N 89° 57' 42.293" E Dist 120.8542

Point D119 N 422,583.0077 E 958,904.9263 Sta 25+25.762

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Ending chain COOK_STH description

FILE NAME =	USER NAME = bemory	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT CURVE DATA			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\Projects\2011 Projects\11297 - IDOT US 5 Ph2\CV\CADD Sheets\0978077-sht-ATB_BMsandDRAWN.dgn		CHECKED -	REVISED -					332	(29,30)R-1	SALINE	745	96
Default	PLOT SCALE = 2.0000' / in.	DATE -	REVISED -		SCALE: N/A	SHEET 4 OF 8 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 78077				
	PLOT DATE = 4/30/2014				ILLINOIS FED. AID PROJECT							