

Chain ABELL contains:

D150 CUR SC43 CUR SC44 D155

Beginning chain ABELL description

Description: SIDEROAD

Point D150 N 433,254.6037 E 962,791.5438 Sta 10+00.000

Course from D150 to PC SC43 N 1° 53' 34.699" E Dist 93.6137

Curve Data

Curve SC43

Description: ABELL

P.I. Station 11+53.220 N 433,407.7405 E 962,796.6051

Delta = 54° 47' 49.683" (RT)

Degree = 49° 49' 20.701"

Tangent = 59.6067

Length = 109.9849

Radius = 115.0000

External = 14.5298

Long Chord = 105.8408

Mid. Ord. = 12.8999

P.C. Station 10+93.614 N 433,348.1663 E 962,794.6361

P.T. Station 12+03.599 N 433,440.4745 E 962,846.4191

C.C. N 433,344.3675 E 962,909.5734

Back = N 1° 53' 34.699" E

Ahead = N 56° 41' 24.383" E

Chord Bear = N 29° 17' 29.541" E

Course from PT SC43 to PC SC44 N 56° 41' 24.383" E Dist 136.6033

Curve Data

Curve SC44

Description: ABELL

P.I. Station 14+04.337 N 433,550.7134 E 963,014.1787

Delta = 58° 17' 47.085" (LT)

Degree = 49° 49' 20.701"

Tangent = 64.1350

Length = 117.0084

Radius = 115.0000

External = 16.6750

Long Chord = 112.0262

Mid. Ord. = 14.5633

P.C. Station 13+40.202 N 433,515.4925 E 962,960.5803

P.T. Station 14+57.210 N 433,614.8231 E 963,012.3808

C.C. N 433,611.5995 E 962,897.4260

Back = N 56° 41' 24.383" E

Ahead = N 1° 36' 22.703" W

Chord Bear = N 27° 32' 30.840" E

Course from PT SC44 to D155 N 1° 36' 22.703" W Dist 106.6004

Point D155 N 433,721.3816 E 963,009.3927 Sta 15+63.811

Ending chain ABELL description

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Chain UNTHANK contains:

D146 CUR SC42 D149

Beginning chain UNTHANK description

Point D146 N 433,254.6037 E 962,641.4052 Sta 4+47.200

Course from D146 to PC SC42 Due East Dist 262.2495

Curve Data

Curve SC42

Description: UNTHANK

P.I. Station 7+70.794 N 433,254.5553 E 962,964.9988

Delta = 25° 09' 00.531" (RT)

Degree = 20° 50' 05.384"

Tangent = 61.3442

Length = 120.7120

Radius = 275.0000

External = 6.7590

Long Chord = 119.7453

Mid. Ord. = 6.5968

P.C. Station 7+09.449 N 433,254.6037 E 962,903.6546

P.T. Station 8+30.162 N 433,228.4407 E 963,020.5068

C.C. N 433,228.4407 E 963,020.5068

Back = S 89° 57' 17.237" E

Ahead = S 64° 48' 16.706" E

Chord Bear = S 77° 22' 46.971" E

Course from PT SC42 to D149 S 64° 45' 33.943" E Dist 169.8385

Point D149 N 433,156.0182 E 963,174.1300 Sta 10+00.000

Ending chain UNTHANK description

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Chain FLANDERS contains:

D149 CUR SC45 CUR SC46 D160

Beginning chain FLANDERS description

Description: SIDEROAD

Point D149 N 433,156.0182 E 963,174.1300 Sta 10+00.000

Course from D149 to PC SC45 S 64° 45' 33.943" E Dist 170.5129

Curve Data

Curve SC45

Description: FLANDERS

P.I. Station 13+20.505 N 433,019.3483 E 963,464.0353

Delta = 57° 13' 06.646" (LT)

Degree = 20° 50' 05.384"

Tangent = 149.9925

Length = 274.6291

Radius = 275.0000

External = 38.2455

Long Chord = 263.3585

Mid. Ord. = 33.5760

P.C. Station 11+70.513 N 433,083.3081 E 963,328.3632

P.T. Station 14+45.142 N 433,098.7832 E 963,591.2667

C.C. N 433,332.0525 E 963,445.6287

Back = S 64° 45' 33.943" E

Ahead = N 58° 01' 19.411" E

Chord Bear = N 86° 37' 52.734" E

Course from PT SC45 to PC SC46 N 58° 01' 19.411" E Dist 199.9623

Curve Data

Curve SC46

Description: FLANDERS

P.I. Station 17+25.236 N 433,247.1190 E 963,828.8571

Delta = 32° 29' 27.609" (RT)

Degree = 20° 50' 05.384"

Tangent = 80.1318

Length = 155.9456

Radius = 275.0000

External = 11.4369

Long Chord = 153.8645

Mid. Ord. = 10.9802

P.C. Station 16+45.104 N 433,204.6818 E 963,760.8852

P.T. Station 18+01.050 N 433,246.4015 E 963,908.9857

C.C. N 432,971.4125 E 963,906.5232

Back = N 58° 01' 19.411" E

Ahead = S 89° 29' 12.980" E

Chord Bear = N 74° 16' 03.216" E

Course from PT SC46 to D160 S 89° 29' 12.980" E Dist 176.2303

Point D160 N 433,244.8234 E 964,085.2089 Sta 19+77.280

Ending chain FLANDERS description

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FILE NAME =	USER NAME = bemery	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_BMsondra.dgn	PLotted	CHECKED -	REVISED -					332	(29,30)R-1	SALINE	745	99
Default	PLOT SCALE = 2.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78077			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/30/2014				SCALE: N/A	SHEET 7 OF 8 SHEETS	STA. N/A TO STA. N/A					