

25

Chain BOURLAND contains:

D127 CUR SC36 D124

Beginning chain BOURLAND description

Point D127 N 425,163.9229 E 958,622.4124 Sta 2+68.400

Course from D127 to PC SC36 S 87° 16' 04.542" E Dist 137.9622

Curve Data

Curve SC36

Description: BOURLAND

P.I. Station 5+23.138 N 425,151.7807 E 958,876.8607

Delta = 14° 47' 08.633" (RT)

Degree = 6° 21' 58.312"

Tangent = 116.7756

Length = 232.2537

Radius = 900.0000

External = 7.5442

Long Chord = 231.6098

Mid. Ord. = 7.4815

P.C. Station 4+06.362 N 425,157.3469 E 958,760.2178

P.T. Station 6+38.616 N 425,116.6310 E 958,988.2207

C.C. N 424,258.3698 E 958,717.3188

Back = S 87° 16' 04.542" E

Ahead = S 72° 28' 55.909" E

Chord Bear = S 79° 52' 30.226" E

Course from PT SC36 to D124 S 72° 28' 55.909" E Dist 361.3837

Point D124 N 425,007.8537 E 959,332.8447 Sta 10+00.000

Ending chain BOURLAND description

26

Chain COOK_NTH contains:

D124 D134

Beginning chain COOK_NTH description

Point D124 N 425,007.8537 E 959,332.8447 Sta 10+00.000

Course from D124 to D134 S 76° 06' 21.856" E Dist 499.9996

Point D134 N 424,887.7912 E 959,818.2153 Sta 14+99.999

Ending chain COOK_NTH description

27

Chain CARTER_FARM contains:

D138 CUR SC39 D135

Beginning chain CARTER_FARM description

Point D138 N 430,592.1537 E 961,527.6064 Sta 5+87.800

Course from D138 to PC SC39 S 89° 13' 58.110" E Dist 143.3391

Curve Data

Curve SC39

Description: CARTER FARM

P.I. Station 7+86.443 N 430,589.4940 E 961,726.2316

Delta = 24° 28' 24.177" (RT)

Degree = 22° 28' 08.159"

Tangent = 55.3039

Length = 108.9210

Radius = 255.0000

External = 5.9282

Long Chord = 108.0948

Mid. Ord. = 5.7935

P.C. Station 7+31.139 N 430,590.2345 E 961,670.9326

P.T. Station 8+40.060 N 430,565.9113 E 961,776.2553

C.C. N 430,335.2573 E 961,667.5183

Back = S 89° 13' 58.110" E

Ahead = S 64° 45' 33.933" E

Chord Bear = S 76° 59' 46.021" E

Course from PT SC39 to D135 S 64° 45' 33.933" E Dist 159.9398

Point D135 N 430,497.7098 E 961,920.9249 Sta 10+00.000

Ending chain CARTER_FARM description

28

Chain BAIRD contains:

D139 D140

Beginning chain BAIRD description

Feature: 211

Description: SIDEROAD (CARTER FARM RD. STA. 7+00.00 LT)

Point D139 N 430,590.6516 E 961,639.7859 Sta 10+00.000

Course from D139 to D140 N 0° 46' 01.890" E Dist 88.7174

Point D140 N 430,679.3610 E 961,640.9738 Sta 10+88.717

Ending chain BAIRD description

29

Chain VANGAMPLER contains:

D135 CUR SC40 CUR SC41 D145

Beginning chain VANGAMPLER description

Feature: 211

Description: SIDEROAD

Point D135 N 430,497.7098 E 961,920.9249 Sta 10+00.000

Course from D135 to PC SC40 S 64° 45' 33.932" E Dist 168.0000

Curve Data

Curve SC40

Description: VANGAMPLER

P.I. Station 13+28.045 N 430,357.8249 E 962,217.6498

Delta = 60° 23' 49.984" (LT)

Degree = 20° 50' 05.384"

Tangent = 160.0449

Length = 289.8858

Radius = 275.0000

External = 43.1813

Long Chord = 276.6494

Mid. Ord. = 37.3211

P.C. Station 11+68.000 N 430,426.0712 E 962,072.8852

P.T. Station 14+57.886 N 430,449.9809 E 962,348.4995

C.C. N 430,674.8157 E 962,190.1507

Back = S 64° 45' 33.923" E

Ahead = N 54° 50' 36.093" E

Chord Bear = N 85° 02' 31.085" E

Course from PT SC40 to PC SC41 N 54° 50' 36.252" E Dist 137.9998

Curve Data

Curve SC41

Description: VANGAMPLER

P.I. Station 16+83.006 N 430,579.6082 E 962,532.5536

Delta = 35° 09' 23.748" (RT)

Degree = 20° 50' 05.384"

Tangent = 87.1205

Length = 168.7396

Radius = 275.0000

External = 13.4701

Long Chord = 166.1049

Mid. Ord. = 12.8411

P.C. Station 15+95.886 N 430,529.4430 E 962,461.3255

P.T. Station 17+64.625 N 430,579.6082 E 962,619.6741

C.C. N 430,304.6082 E 962,619.6741

Back = N 54° 50' 36.252" E

Ahead = Due East

Chord Bear = N 72° 25' 18.126" E

Course from PT SC41 to D145 S 89° 59' 59.997" E Dist 213.3448

Point D145 N 430,579.6082 E 962,833.0189 Sta 19+77.970

Ending chain VANGAMPLER description

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|---|----------------------------|------------|-----------|---|---|--|--|--------------------|------------|--------|--------------|-----------|
| 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_BMsond | DRAWN by | REVISOR | REVISION | | | | | 332 | (29,30)R-1 | SALINE | 745 | 98 |
| Default | PLOT SCALE = 2.0000' / in. | CHECKED - | REVISED - | | SCALE: N/A SHEET 6 OF 8 SHEETS STA. N/A TO STA. N/A | | | CONTRACT NO. 78077 | | | | |
| | PLOT DATE = 4/30/2014 | DATE - | REVISION | | ILLINOIS FED. AID PROJECT | | | | | | | |