

33

Chain GARNER contains:

D161 CUR SC47 D164

Beginning chain GARNER description

Point D161 N 437,146.5823 E 964,611.4466 Sta 5+50.000

Course from D161 to PC SC47 S 81° 28' 12.804" E Dist 219.3707

Curve Data

Curve SC47

Description: GARNER

P.I. Station 8+06.824 N 437,108.4893 E 964,865.4297

Delta = 16° 42' 40.266" (RT)

Degree = 22° 28' 08.159"

Tangent = 37.4532

Length = 74.3746

Radius = 255.0000

External = 2.7358

Long Chord = 74.1113

Mid. Ord. = 2.7068

P.C. Station 7+69.371 N 437,114.0444 E 964,828.3908

P.T. Station 8+43.745 N 437,092.5182 E 964,899.3070

C.C. N 436,861.8650 E 964,790.5684

Back = S 81° 28' 12.804" E

Ahead = S 64° 45' 32.537" E

Chord Bear = S 73° 06' 52.671" E

Course from PT SC47 to D164 S 64° 45' 32.537" E Dist 156.2547

Point D164 N 437,025.8872 E 965,040.6429 Sta 10+00.000

Ending chain GARNER description

34

Chain TEXASCITY contains:

D190 D186 D166

Beginning chain TEXASCITY description

Point D190 N 441,234.3406 E 966,771.0960 Sta 6+39.535

Course from D190 to D186 S 61° 43' 55.206" E Dist 146.4440

Point D186 N 441,164.9853 E 966,900.0754 Sta 7+85.979

Course from D186 to D166 S 60° 43' 55.206" E Dist 214.0212

Point D166 N 441,060.3513 E 967,086.7752 Sta 10+00.000

Ending chain TEXASCITY description

35

Chain COTTONWOOD contains:

D166 CUR SC48 CUR SC49 D171

Beginning chain COTTONWOOD description

Feature: 211

Description: SIDEROAD

Point D166 N 441,060.3513 E 967,086.7752 Sta 10+00.000

Course from D166 to PC SC48 S 59° 50' 40.360" E Dist 171.5332

Curve Data

Curve SC48

Description: COTTONWOOD

P.I. Station 13+80.604 N 440,869.1559 E 967,415.8702

Delta = 74° 29' 17.899" (LT)

Degree = 20° 50' 05.384"

Tangent = 209.0706

Length = 357.5182

Radius = 275.0000

External = 70.4497

Long Chord = 332.8670

Mid. Ord. = 56.0825

P.C. Station 11+71.533 N 440,974.1820 E 967,235.0940

P.T. Station 15+29.051 N 441,015.2597 E 967,565.4167

C.C. N 441,211.9651 E 967,373.2397

Back = S 59° 50' 40.360" E

Ahead = N 45° 40' 01.740" E

Chord Bear = N 82° 54' 40.690" E

Course from PT SC48 to PC SC49 N 45° 40' 01.740" E Dist 139.0810

Curve Data

Curve SC49

Feature: 211

Description: COTTONWOOD

P.I. Station 17+81.627 N 441,191.7656 E 967,746.0817

Delta = 44° 51' 08.857" (RT)

Degree = 20° 50' 05.384"

Tangent = 113.4941

Length = 215.2764

Radius = 275.0000

External = 22.4994

Long Chord = 209.8215

Mid. Ord. = 20.7978

P.C. Station 16+68.132 N 441,112.4530 E 967,664.9003

P.T. Station 18+83.409 N 441,190.7364 E 967,859.5712

C.C. N 440,915.7477 E 967,857.0773

Back = N 45° 40' 01.740" E

Ahead = S 89° 28' 49.403" E

Chord Bear = N 68° 05' 36.169" E

Course from PT SC49 to D171 S 89° 28' 49.403" E Dist 156.0270

Point D171 N 441,189.3214 E 968,015.5918 Sta 20+39.436

Ending chain COTTONWOOD description

36

Chain BIKEPATH contains:

BP01 BP1 CUR BPCUR1 CUR BPCUR2 BP4

Beginning chain BIKEPATH description

Point BP01 N 419,778.6349 E 956,363.0862 Sta 397+00.000

Course from BP01 to BP1 N 29° 42' 51.793" E Dist 475.0000

Point BP1 N 420,191.1757 E 956,598.5326 Sta 401+75.000

Course from BP1 to PC BPCUR1 N 29° 42' 51.793" E Dist 990.4893

Curve Data

Curve BPCUR1

P.I. Station 412+88.488 N 421,158.2477 E 957,150.4626

Delta = 14° 01' 26.919" (LT)

Degree = 5° 43' 46.481"

Tangent = 122.9984

Length = 244.7675

Radius = 1,000.0000

External = 7.5359

Long Chord = 244.1569

Mid. Ord. = 7.4795

P.C. Station 411+65.489 N 421,051.4227 E 957,089.4952

P.T. Station 414+10.257 N 421,276.6630 E 957,183.7259

C.C. N 421,547.0995 E 956,220.9881

Back = N 29° 42' 51.793" E

Ahead = N 15° 41' 24.874" E

Chord Bear = N 22° 42' 08.334" E

Course from PT BPCUR1 to PC BPCUR2 N 15° 41' 24.874" E Dist 100.0000

Curve Data

Curve BPCUR2

P.I. Station 416+35.056 N 421,493.0854 E 957,244.5197

Delta = 14° 13' 38.459" (RT)

Degree = 5° 43' 46.481"

Tangent = 124.7990

Length = 248.3141

Radius = 1,000.0000

External = 7.7573

Long Chord = 247.6766

Mid. Ord. = 7.6976

P.C. Station 415+10.257 N 421,372.9367 E 957,210.7695

P.T. Station 417+58.571 N 421,601.2541 E 957,306.7637

C.C. N 421,102.5002 E 958,173.5074

Back = N 15° 41' 24.874" E

Ahead = N 29° 55' 03.333" E

Chord Bear = N 22° 48' 14.104" E

Course from PT BPCUR2 to BP4 N 29° 55' 03.333" E Dist 582.6037

Point BP4 N 422,106.2222 E 957,597.3396 Sta 423+41.175

Ending chain BIKEPATH description

FILE NAME =	USER NAME = bemyrj	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	CHECKED -	REVISED -		SCALE: N/A	SHEET 8 OF 8 SHEETS	STA. N/A TO STA. N/A	332	(29,30)R-1	SALINE	745	100
Default	PLOT SCALE = 2.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78077							
	PLOT DATE = 4/30/2014				ILLINOIS FED. AID PROJECT							