

Chain PBIKEN contains:
 CUR PBIKEN-1 CUR PBIKEN-2 CUR PBIKEN-3 CUR PBIKEN-4 CUR PBIKEN-5 CUR PBIKEN-6 -
 CUR PBIKEN-7 CUR PBIKEN-8 CUR PBIKEN-9 CUR PBIKEN-10 CUR PBIKEN-11 CUR PBIKEN-1-
 2 CUR PBIKEN-13 CUR PBIKEN-14

Beginning chain PBIKEN description

 Curve Data

 Curve PBIKEN-1 (Chord Definition)
 P.I. Station 250+13.54 N 2,036,535.02 E 2,584,478.55
 Delta = 23° 32' 17.54" (RT)
 Degree = 100° 34' 11.01"
 Tangent = 13.54
 Length = 23.40
 Radius = 65.00
 External = 1.40
 Long Chord = 26.52
 Mid. Ord. = 1.37
 P.C. Station 250+00.00 N 2,036,523.30 E 2,584,471.76
 P.T. Station 250+23.40 N 2,036,543.05 E 2,584,489.46
 C.C. N 2,036,490.70 E 2,584,527.99

Course from PT PBIKEN-1 to PC PBIKEN-2 N 53° 38' 39.97" E Dist 64.74

 Curve Data

 Curve PBIKEN-2 (Chord Definition)
 P.I. Station 251+10.02 N 2,036,594.39 E 2,584,559.22
 Delta = 23° 32' 17.54" (LT)
 Degree = 56° 52' 25.61"
 Tangent = 21.88
 Length = 41.39
 Radius = 105.00
 External = 2.25
 Long Chord = 42.83
 Mid. Ord. = 2.21
 P.C. Station 250+88.15 N 2,036,581.43 E 2,584,541.60
 P.T. Station 251+29.53 N 2,036,613.32 E 2,584,570.19
 C.C. N 2,036,665.99 E 2,584,479.35
 Back = N 53° 38' 39.97" E
 Ahead = N 30° 06' 22.43" E
 Chord Bear = N 41° 52' 31.20" E

Course from PT PBIKEN-2 to PC PBIKEN-3 N 30° 06' 22.43" E Dist 15.60

 Curve Data

 Curve PBIKEN-3 (Chord Definition)
 P.I. Station 251+58.30 N 2,036,638.20 E 2,584,584.62
 Delta = 14° 17' 50.12" (LT)
 Degree = 56° 52' 25.61"
 Tangent = 13.17
 Length = 25.14
 Radius = 105.00
 External = 0.82
 Long Chord = 26.13
 Mid. Ord. = 0.82
 P.C. Station 251+45.13 N 2,036,626.81 E 2,584,578.01
 P.T. Station 251+70.27 N 2,036,650.88 E 2,584,588.21
 C.C. N 2,036,679.48 E 2,584,487.18
 Back = N 30° 06' 22.43" E
 Ahead = N 15° 48' 32.31" E
 Chord Bear = N 22° 57' 27.37" E

Course from PT PBIKEN-3 to PC PBIKEN-4 N 15° 48' 32.31" E Dist 135.77

 Curve Data

 Curve PBIKEN-4 (Chord Definition)
 P.I. Station 253+18.93 N 2,036,793.91 E 2,584,628.71
 Delta = 14° 00' 04.97" (RT)
 Degree = 56° 52' 25.61"
 Tangent = 12.89
 Length = 24.62
 Radius = 105.00
 External = 0.79
 Long Chord = 25.60
 Mid. Ord. = 0.78
 P.C. Station 253+06.04 N 2,036,781.51 E 2,584,625.19
 P.T. Station 253+30.66 N 2,036,805.10 E 2,584,635.12
 C.C. N 2,036,752.90 E 2,584,726.22

 Curve Data

 Curve PBIKEN-5 (Chord Definition)
 P.I. Station 253+73.88 N 2,036,842.61 E 2,584,656.60
 Delta = 2° 06' 31.12" (LT)
 Degree = 2° 26' 23.18"
 Tangent = 43.22
 Length = 86.43
 Radius = 2,348.58
 External = 0.40
 Long Chord = 86.43
 Mid. Ord. = 0.40
 P.C. Station 253+30.66 N 2,036,805.10 E 2,584,635.12
 P.T. Station 254+17.08 N 2,036,880.87 E 2,584,676.70
 C.C. N 2,037,972.66 E 2,582,597.31

 Curve Data

 Curve PBIKEN-6 (Chord Definition)
 P.I. Station 254+30.65 N 2,036,892.89 E 2,584,683.00
 Delta = 14° 43' 44.82" (RT)
 Degree = 56° 52' 25.61"
 Tangent = 13.57
 Length = 25.90
 Radius = 105.00
 External = 0.87
 Long Chord = 26.92
 Mid. Ord. = 0.87
 P.C. Station 254+17.08 N 2,036,880.87 E 2,584,676.70
 P.T. Station 254+42.98 N 2,036,902.91 E 2,584,692.16
 C.C. N 2,036,832.06 E 2,584,769.66

Course from PT PBIKEN-6 to PC PBIKEN-7 N 42° 25' 50.98" E Dist 76.75

 Curve Data

 Curve PBIKEN-7 (Chord Definition)
 P.I. Station 255+36.31 N 2,036,971.79 E 2,584,755.13
 Delta = 17° 56' 49.17" (LT)
 Degree = 56° 52' 25.61"
 Tangent = 16.58
 Length = 31.56
 Radius = 105.00
 External = 1.30
 Long Chord = 32.76
 Mid. Ord. = 1.29
 P.C. Station 255+19.73 N 2,036,959.56 E 2,584,743.95
 P.T. Station 255+51.29 N 2,036,986.88 E 2,584,762.00
 C.C. N 2,037,030.40 E 2,584,666.45

 Curve Data

 Curve PBIKEN-8 (Chord Definition)
 P.I. Station 255+68.41 N 2,037,002.47 E 2,584,769.10
 Delta = 0° 49' 29.82" (LT)
 Degree = 2° 24' 32.39"
 Tangent = 17.12
 Length = 34.24
 Radius = 2,378.58
 External = 0.06
 Long Chord = 34.25
 Mid. Ord. = 0.06
 P.C. Station 255+51.29 N 2,036,986.88 E 2,584,762.00
 P.T. Station 255+85.53 N 2,037,018.15 E 2,584,775.97
 C.C. N 2,037,972.66 E 2,582,597.31

 Curve Data

 Curve PBIKEN-9 (Chord Definition)
 P.I. Station 256+02.70 N 2,037,033.87 E 2,584,782.86
 Delta = 18° 34' 00.63" (LT)
 Degree = 56° 52' 25.61"
 Tangent = 17.16
 Length = 32.65
 Radius = 105.00
 External = 1.39
 Long Chord = 33.88
 Mid. Ord. = 1.38
 P.C. Station 255+85.53 N 2,037,018.15 E 2,584,775.97
 P.T. Station 256+18.18 N 2,037,050.97 E 2,584,784.38
 C.C. N 2,037,060.29 E 2,584,679.80

Course from PT PBIKEN-9 to PC PBIKEN-10 N 5° 05' 31.37" E Dist 77.80

 Curve Data

 Curve PBIKEN-10 (Chord Definition)
 P.I. Station 257+08.64 N 2,037,141.07 E 2,584,792.41
 Delta = 13° 44' 39.18" (RT)
 Degree = 56° 52' 25.61"
 Tangent = 12.65
 Length = 24.17
 Radius = 105.00
 External = 0.76
 Long Chord = 25.13
 Mid. Ord. = 0.75
 P.C. Station 256+95.98 N 2,037,128.47 E 2,584,791.29
 P.T. Station 257+20.15 N 2,037,153.05 E 2,584,796.50
 C.C. N 2,037,119.15 E 2,584,895.87

 Curve Data

 Curve PBIKEN-11 (Chord Definition)
 P.I. Station 257+31.91 N 2,037,164.18 E 2,584,800.29
 Delta = 0° 34' 29.87" (LT)
 Degree = 2° 26' 41.95"
 Tangent = 11.76
 Length = 23.52
 Radius = 2,343.58
 External = 0.03
 Long Chord = 23.52
 Mid. Ord. = 0.03
 P.C. Station 257+20.15 N 2,037,153.05 E 2,584,796.50
 P.T. Station 257+43.67 N 2,037,175.34 E 2,584,803.98
 C.C. N 2,037,909.71 E 2,582,578.43

Course from PT PBIKEN-12 to PC PBIKEN-13 N 30° 33' 19.39" E Dist 40.23

 Curve Data

 Curve PBIKEN-12 (Chord Definition)
 P.I. Station 257+54.97 N 2,037,186.08 E 2,584,807.52
 Delta = 12° 17' 38.71" (RT)
 Degree = 56° 52' 25.61"
 Tangent = 11.31
 Length = 21.62
 Radius = 0.61
 Long Chord = 22.49
 Mid. Ord. = 0.60
 P.C. Station 257+43.67 N 2,037,175.34 E 2,584,803.98
 P.T. Station 257+65.28 N 2,037,195.82 E 2,584,813.27
 C.C. N 2,037,142.44 E 2,584,903.69

Course from PT PBIKEN-13 to PC PBIKEN-14 N 0° 06' 36.97" W Dist 33.08

 Curve Data

 Curve PBIKEN-13 (Chord Definition)
 P.I. Station 258+34.30 N 2,037,255.26 E 2,584,848.36
 Delta = 30° 39' 56.35" (LT)
 Degree = 56° 52' 25.61"
 Tangent = 28.79
 Length = 53.92
 Radius = 105.00
 External = 3.88
 Long Chord = 55.53
 Mid. Ord. = 3.74
 P.C. Station 258+05.51 N 2,037,230.47 E 2,584,833.72
 P.T. Station 258+59.43 N 2,037,284.05 E 2,584,848.30
 C.C. N 2,037,283.84 E 2,584,743.30

Course from PT PBIKEN-13 to PC PBIKEN-14 N 0° 06' 36.97" W Dist 33.08

 Curve Data

 Curve PBIKEN-14 (Chord Definition)
 P.I. Station 259+05.51 N 2,037,330.13 E 2,584,848.22
 Delta = 14° 06' 59.17" (RT)
 Degree = 56° 52' 25.61"
 Tangent = 13.00
 Length = 24.82
 Radius = 105.00
 External = 0.80
 Long Chord = 25.80
 Mid. Ord. = 0.80
 P.C. Station 258+92.51 N 2,037,317.13 E 2,584,848.24
 P.T. Station 259+17.33 N 2,037,342.74 E 2,584,851.36
 C.C. N 2,037,317.33 E 2,584,953.24

Ending chain PBIKEN description

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL AND VERTICAL CONTROL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN -	REVISED -		SCALE: NTS	SHEET NO. 13 OF 19 SHEETS	STA.	TO STA.	742	(32, 33) R-1	WINNEBAGO	705	99
		CHECKED -	REVISED -		CONTRACT NO. 64821								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								