

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	11T	CARROLL	79	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROL

Chain EXIL78 contains:

210 CUR 1200 CUR 1210 CUR 1220 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280 CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR 1350 CUR 1360 - CUR 1370 CUR 1380 CUR 1390 CUR 1400 CUR 1410 CUR 1420 CUR 1430 CUR 1440 CUR 1450 CUR 1460 CUR 1470 CUR 1473 CUR 1480 CUR 269 CUR 270 CUR 1510 CUR 273 CUR 1530 CUR 276 CUR 1550 CUR 279 CUR 1570 CUR 282 CUR 1590 CUR 1600 CUR 1610 CUR 1620 CUR 1630 CUR 1640 CUR 294 CUR 1660 CUR 1670 CUR 1690 CUR 1700 CUR 1710 CUR 1720 CUR 1730 CUR 310 CUR 311 CUR 312 CUR 313 CUR 314 CUR 1790 CUR 1800 CUR 319

Beginning chain EXIL78 description

Point 210 N 1,979,809.49 E 2,347,921.10 Sta 636+75.29

Course from 210 to PC 1200 0° 54' 38.87" Dist 607.43'

Curve Data

Curve 1200

P.I. Station 644+95.92 N 1,980,630.02 E 2,347,934.15
 Delta = 100° 25' 07.55" (LT)
 Degree = 32° 15' 58.14"
 Tangent = 213.20'
 Length = 311.22'
 Radius = 177.57'
 External = 99.89'
 Long Chord = 272.89'
 Mid. Ord. = 63.93'
 P.C. Station 642+82.72 N 1,980,416.85 E 2,347,930.76
 P.T. Station 645+93.94 N 1,980,594.80 E 2,347,723.88
 C.C. N 1,980,419.67 E 2,347,753.21

Course from PT 1200 to PC 1210 260° 29' 31.32" Dist 121.63'

Curve Data

Curve 1210

P.I. Station 652+06.96 N 1,980,493.54 E 2,347,119.28
 Delta = 76° 31' 33.76" (RT)
 Degree = 9° 11' 46.71"
 Tangent = 491.39'
 Length = 832.14'
 Radius = 623.03'
 External = 170.46'
 Long Chord = 771.65'
 Mid. Ord. = 133.84'
 P.C. Station 647+15.57 N 1,980,574.71 E 2,347,603.92
 P.T. Station 655+47.71 N 1,980,945.93 E 2,346,927.42
 C.C. N 1,981,189.18 E 2,347,501.00

Curve Data

Curve 1220

P.I. Station 657+86.62 N 1,981,165.88 E 2,346,834.14
 Delta = 27° 15' 57.92" (RT)
 Degree = 5° 48' 59.00"
 Tangent = 238.92'
 Length = 468.78'
 Radius = 985.07'
 External = 28.56'
 Long Chord = 464.37'
 Mid. Ord. = 27.75'
 P.C. Station 655+47.71 N 1,980,945.93 E 2,346,927.42
 P.T. Station 660+16.49 N 1,981,404.13 E 2,346,851.99
 C.C. N 1,981,330.54 E 2,347,834.31

Course from PT 1220 to PC 1230 4° 17' 03.00" Dist 522.24'

Curve Data

Curve 1230

P.I. Station 670+56.20 N 1,982,440.94 E 2,346,929.66
 Delta = 54° 55' 58.10" (LT)
 Degree = 5° 45' 20.23"
 Tangent = 517.47'
 Length = 954.42'
 Radius = 995.48'
 External = 126.46'
 Long Chord = 918.28'
 Mid. Ord. = 112.21'
 P.C. Station 665+38.73 N 1,981,924.91 E 2,346,891.00
 P.T. Station 674+93.15 N 1,982,769.05 E 2,346,529.51
 C.C. N 1,981,999.28 E 2,345,898.31

Course from PT 1230 to PC 1240 309° 21' 04.91" Dist 1,126.27'

Curve Data

Curve 1240

P.I. Station 691+02.61 N 1,983,789.57 E 2,345,284.96
 Delta = 50° 50' 30.74" (RT)
 Degree = 5° 38' 08.94"
 Tangent = 483.19'
 Length = 902.12'
 Radius = 1,016.64'
 External = 108.98'
 Long Chord = 872.81'
 Mid. Ord. = 98.43'
 P.C. Station 686+19.42 N 1,983,483.19 E 2,345,658.60
 P.T. Station 695+21.55 N 1,984,272.76 E 2,345,286.59
 C.C. N 1,984,269.33 E 2,346,303.22

Course from PT 1240 to PC 1250 0° 11' 35.65" Dist 1,694.17'

Curve Data

Curve 1250

P.I. Station 714+65.34 N 1,986,216.55 E 2,345,293.15
 Delta = 27° 52' 49.05" (LT)
 Degree = 5° 41' 49.87"
 Tangent = 249.63'
 Length = 489.37'
 Radius = 1,005.69'
 External = 30.52'
 Long Chord = 484.56'
 Mid. Ord. = 29.62'
 P.C. Station 712+15.71 N 1,985,966.92 E 2,345,292.30
 P.T. Station 717+05.08 N 1,986,437.59 E 2,345,177.16
 C.C. N 1,985,970.31 E 2,344,286.62

Course from PT 1250 to PC 1260 332° 18' 46.60" Dist 665.62'

Curve Data

Curve 1260

P.I. Station 732+05.39 N 1,987,766.11 E 2,344,480.05
 Delta = 0° 41' 45.93" (RT)
 Degree = 0° 02' 30.11"
 Tangent = 834.69'
 Length = 1,669.36'
 Radius = 137,405.88'
 External = 2.54'
 Long Chord = 1,669.35'
 Mid. Ord. = 2.54'
 P.C. Station 723+70.70 N 1,987,027.00 E 2,344,867.88
 P.T. Station 740+40.06 N 1,988,509.89 E 2,344,101.23
 C.C. N 2,050,871.54 E 2,466,540.60

Course from PT 1260 to PC 1270 333° 00' 32.54" Dist 1,012.31'

Curve Data

Curve 1270

P.I. Station 752+59.63 N 1,989,596.62 E 2,343,547.72
 Delta = 23° 09' 34.64" (RT)
 Degree = 5° 39' 51.95"
 Tangent = 207.26'
 Length = 408.86'
 Radius = 1,011.50'
 External = 21.02'
 Long Chord = 406.08'
 Mid. Ord. = 20.59'
 P.C. Station 750+52.37 N 1,989,411.94 E 2,343,641.79
 P.T. Station 754+61.23 N 1,989,803.42 E 2,343,533.88
 C.C. N 1,989,871.01 E 2,344,543.12

Course from PT 1270 to PC 1280 356° 10' 07.17" Dist 2,365.63'

Curve Data

Curve 1280

P.I. Station 781+08.39 N 1,992,444.66 E 2,343,356.99
 Delta = 53° 58' 25.53" (RT)
 Degree = 10° 21' 50.91"
 Tangent = 281.52'
 Length = 520.77'
 Radius = 552.83'
 External = 67.55'
 Long Chord = 501.73'
 Mid. Ord. = 60.20'
 P.C. Station 778+26.87 N 1,992,163.76 E 2,343,375.80
 P.T. Station 783+47.64 N 1,992,625.08 E 2,343,573.10
 C.C. N 1,992,200.70 E 2,343,927.40

Course from PT 1280 to PC 1290 50° 08' 32.70" Dist 867.21'

Curve Data

Curve 1290

P.I. Station 795+19.02 N 1,993,375.79 E 2,344,472.29
 Delta = 23° 28' 20.91" (LT)
 Degree = 3° 54' 48.12"
 Tangent = 304.17'
 Length = 599.80'
 Radius = 1,464.10'
 External = 31.26'
 Long Chord = 595.62'
 Mid. Ord. = 30.61'
 P.C. Station 792+14.85 N 1,993,180.85 E 2,344,238.80
 P.T. Station 798+14.65 N 1,993,647.60 E 2,344,608.82
 C.C. N 1,994,304.76 E 2,343,300.49

Curve Data

Curve 1300

P.I. Station 800+34.58 N 1,993,844.12 E 2,344,707.53
 Delta = 14° 45' 23.09" (LT)
 Degree = 3° 22' 24.80"
 Tangent = 219.92'
 Length = 437.41'
 Radius = 1,698.38'
 External = 14.18'
 Long Chord = 436.21'
 Mid. Ord. = 14.06'
 P.C. Station 798+14.65 N 1,993,647.60 E 2,344,608.82
 P.T. Station 802+52.07 N 1,994,059.31 E 2,344,752.93
 C.C. N 1,994,409.91 E 2,343,091.14

Course from PT 1300 to PC 1310 11° 54' 48.70" Dist 374.93'

Curve Data

Curve 1310

P.I. Station 809+57.77 N 1,994,749.81 E 2,344,898.61
 Delta = 6° 39' 06.58" (RT)
 Degree = 1° 00' 23.89"
 Tangent = 330.77'
 Length = 660.80'
 Radius = 5,691.80'
 External = 9.60'
 Long Chord = 660.43'
 Mid. Ord. = 9.59'
 P.C. Station 806+27.00 N 1,994,426.16 E 2,344,830.33
 P.T. Station 812+87.80 N 1,995,063.37 E 2,345,003.93
 C.C. N 1,993,251.18 E 2,350,399.53

Course from PT 1310 to PC 1320 18° 33' 55.28" Dist 697.54'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE: VERT. _____	DRAWN BY _____
DATE _____	CHECKED BY _____

HORIZONTAL & VERTICAL CONTROL

PLOT DATE = Wed Oct 18 15:23:36 2006
 FILE NAME = c:\p\proj\exil78\64d82\64d82.dgn
 USER = csheney