

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	11T	CARROLL	79	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# EXISTING CONTROL

Curve Data  
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Curve 1320  
 P.I. Station 822+10.76 N 1,995,938.30 E 2,345,297.79  
 Delta = 9° 00' 45.07" (LT)  
 Degree = 2° 00' 11.46"  
 Tangent = 225.42'  
 Length = 449.91'  
 Radius = 2,860.24'  
 External = 8.87'  
 Long Chord = 449.45'  
 Mid. Ord. = 8.84'  
 P.C. Station 819+85.34 N 1,995,724.61 E 2,345,226.02  
 P.T. Station 824+35.25 N 1,996,160.59 E 2,345,335.20  
 C.C. N 1,996,635.27 E 2,342,514.62

Course from PT 1320 to PC 1330 9° 33' 10.21" Dist 1,400.35'

Curve Data  
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Curve 1330  
 P.I. Station 841+19.93 N 1,997,821.91 E 2,345,614.78  
 Delta = 27° 35' 07.80" (LT)  
 Degree = 4° 56' 48.82"  
 Tangent = 284.33'  
 Length = 557.63'  
 Radius = 1,158.22'  
 External = 34.39'  
 Long Chord = 552.26'  
 Mid. Ord. = 33.40'  
 P.C. Station 838+35.60 N 1,997,541.52 E 2,345,567.59  
 P.T. Station 843+93.23 N 1,998,092.28 E 2,345,526.76  
 C.C. N 1,997,733.74 E 2,344,425.44

Course from PT 1330 to PC 1340 341° 58' 02.42" Dist 778.05'

Curve Data  
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Curve 1340  
 P.I. Station 852+86.73 N 1,998,941.88 E 2,345,250.17  
 Delta = 13° 19' 51.20" (RT)  
 Degree = 5° 48' 00.49"  
 Tangent = 115.44'  
 Length = 229.84'  
 Radius = 987.84'  
 External = 6.72'  
 Long Chord = 229.32'  
 Mid. Ord. = 6.68'  
 P.C. Station 851+71.29 N 1,998,832.11 E 2,345,285.91  
 P.T. Station 854+01.12 N 1,999,056.93 E 2,345,240.71  
 C.C. N 1,999,137.90 E 2,346,225.22

Course from PT 1340 to PC 1350 355° 17' 53.61" Dist 1,541.18'

Curve Data  
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Curve 1350  
 P.I. Station 872+88.07 N 2,000,937.53 E 2,345,086.04  
 Delta = 6° 37' 40.04" (RT)  
 Degree = 0° 57' 34.13"  
 Tangent = 345.77'  
 Length = 690.77'  
 Radius = 5,971.54'  
 External = 10.00'  
 Long Chord = 690.38'  
 Mid. Ord. = 9.99'  
 P.C. Station 869+42.30 N 2,000,592.93 E 2,345,114.38  
 P.T. Station 876+33.07 N 2,001,283.11 E 2,345,097.66  
 C.C. N 2,001,082.41 E 2,351,065.83

Course from PT 1350 to PC 1360 1° 55' 33.65" Dist 1,821.91'

Curve Data  
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Curve 1360  
 P.I. Station 897+26.11 N 2,003,374.97 E 2,345,168.01  
 Delta = 14° 51' 25.54" (RT)  
 Degree = 2° 45' 19.09"  
 Tangent = 271.13'  
 Length = 539.22'  
 Radius = 2,079.47'  
 External = 17.60'  
 Long Chord = 537.71'  
 Mid. Ord. = 17.45'  
 P.C. Station 894+54.98 N 2,003,103.99 E 2,345,158.89  
 P.T. Station 899+94.20 N 2,003,634.55 E 2,345,246.29  
 C.C. N 2,003,034.10 E 2,347,237.19

Course from PT 1360 to PC 1370 16° 46' 59.19" Dist 1,772.18'

Curve Data  
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Curve 1370  
 P.I. Station 919+74.51 N 2,005,530.51 E 2,345,818.11  
 Delta = 4° 09' 38.31" (LT)  
 Degree = 0° 59' 59.89"  
 Tangent = 208.13'  
 Length = 416.08'  
 Radius = 5,729.76'  
 External = 3.78'  
 Long Chord = 415.99'  
 Mid. Ord. = 3.78'  
 P.C. Station 917+66.38 N 2,005,331.24 E 2,345,758.01  
 P.T. Station 921+82.46 N 2,005,733.61 E 2,345,863.59  
 C.C. N 2,006,985.71 E 2,340,272.32

Course from PT 1370 to PC 1380 12° 37' 20.88" Dist 1,014.60'

Curve Data  
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Curve 1380  
 P.I. Station 933+98.42 N 2,006,920.18 E 2,346,129.31  
 Delta = 15° 55' 55.77" (LT)  
 Degree = 3° 58' 54.58"  
 Tangent = 201.36'  
 Length = 400.12'  
 Radius = 1,438.93'  
 External = 14.02'  
 Long Chord = 398.83'  
 Mid. Ord. = 13.89'  
 P.C. Station 931+97.06 N 2,006,723.69 E 2,346,085.31  
 P.T. Station 935+97.18 N 2,007,121.20 E 2,346,117.68  
 C.C. N 2,007,038.13 E 2,344,681.15

Course from PT 1380 to PC 1390 356° 41' 25.10" Dist 1,247.12'

Curve Data  
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Curve 1390  
 P.I. Station 951+46.10 N 2,008,667.54 E 2,346,028.26  
 Delta = 60° 14' 21.97" (LT)  
 Degree = 11° 00' 49.56"  
 Tangent = 301.80'  
 Length = 546.95'  
 Radius = 520.22'  
 External = 81.21'  
 Long Chord = 522.10'  
 Mid. Ord. = 70.24'  
 P.C. Station 948+44.30 N 2,008,366.25 E 2,346,045.68  
 P.T. Station 953+91.25 N 2,008,801.97 E 2,345,758.05  
 C.C. N 2,008,336.21 E 2,345,526.33

Course from PT 1390 to PC 1400 296° 27' 03.13" Dist 870.17'

Curve Data  
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Curve 1400  
 P.I. Station 965+98.35 N 2,009,339.65 E 2,344,677.32  
 Delta = 18° 31' 05.87" (RT)  
 Degree = 2° 46' 20.16"  
 Tangent = 336.93'  
 Length = 667.98'  
 Radius = 2,066.75'  
 External = 27.28'  
 Long Chord = 665.08'  
 Mid. Ord. = 26.93'  
 P.C. Station 962+61.42 N 2,009,189.57 E 2,344,978.98  
 P.T. Station 969+29.40 N 2,009,577.77 E 2,344,438.95  
 C.C. N 2,011,039.96 E 2,345,899.57

Course from PT 1400 to PC 1410 314° 58' 09.00" Dist 1,861.80'

Curve Data  
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Curve 1410  
 P.I. Station 991+07.25 N 2,011,116.91 E 2,342,898.15  
 Delta = 17° 57' 26.37" (RT)  
 Degree = 2° 51' 51.79"  
 Tangent = 316.05'  
 Length = 626.92'  
 Radius = 2,000.28'  
 External = 24.81'  
 Long Chord = 624.35'  
 Mid. Ord. = 24.51'  
 P.C. Station 987+91.20 N 2,010,893.55 E 2,343,121.75  
 P.T. Station 994+18.12 N 2,011,398.33 E 2,342,754.30  
 C.C. N 2,012,308.72 E 2,344,535.40

Curve Data  
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Curve 1420  
 P.I. Station 997+70.74 N 2,011,712.31 E 2,342,593.81  
 Delta = 35° 37' 32.77" (RT)  
 Degree = 5° 13' 15.03"  
 Tangent = 352.62'  
 Length = 682.38'  
 Radius = 1,097.44'  
 External = 55.26'  
 Long Chord = 671.44'  
 Mid. Ord. = 52.61'  
 P.C. Station 994+18.12 N 2,011,398.33 E 2,342,754.30  
 P.T. Station 1001+00.50 N 2,012,061.02 E 2,342,646.25  
 C.C. N 2,011,897.81 E 2,343,731.49

Course from PT 1420 to PC 1430 8° 33' 08.14" Dist 498.34'

Curve Data  
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Curve 1430  
 P.I. Station 1007+10.24 N 2,012,663.98 E 2,342,736.93  
 Delta = 9° 57' 08.01" (LT)  
 Degree = 4° 28' 40.42"  
 Tangent = 111.41'  
 Length = 222.25'  
 Radius = 1,279.53'  
 External = 4.84'  
 Long Chord = 221.97'  
 Mid. Ord. = 4.82'  
 P.C. Station 1005+98.84 N 2,012,553.82 E 2,342,720.36  
 P.T. Station 1008+21.09 N 2,012,775.36 E 2,342,734.20  
 C.C. N 2,012,744.10 E 2,341,455.06

REVISIONS	
NAME	DATE

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

## HORIZONTAL & VERTICAL CONTROL