

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL & OGLE	232	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(US 52)		**(16,17,18)RS-3 & (16BR)M-1		

EXISTING HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve D230
 P.I. Station 10+31.3436 N 1,961,276.1155 E 2,427,918.0165
 Delta = 13° 31' 13.7113" (LT)
 Degree = 2° 35' 23.3297"
 Tangent = 262.2499'
 Length = 522.0636'
 Radius = 2,212.3513'
 External = 15.4892'
 Long Chord = 520.8532'
 Mid. Ord. = 15.3815'
 P.C. Station 7+69.0937 N 1,961,485.4799 E 2,427,760.0876
 P.T. Station 12+91.1573 N 1,961,109.4760 E 2,428,120.5166
 C.C. N 1,962,817.7754 E 2,429,526.2946

Course from PT D230 to PC D240 129° 27' 04.8018" Dist 2,302.7312'

Curve Data

Curve D240
 P.I. Station 37+49.6271 N 1,959,547.3088 E 2,430,018.8599
 Delta = 0° 31' 21.5278" (RT)
 Degree = 0° 10' 04.0702"
 Tangent = 155.7386'
 Length = 311.4750'
 Radius = 34,145.8362'
 External = 0.3552'
 Long Chord = 311.4740'
 Mid. Ord. = 0.3552'
 P.C. Station 35+93.8885 N 1,959,646.2686 E 2,429,898.6041
 P.T. Station 39+05.3636 N 1,959,447.2561 E 2,430,138.2081
 C.C. N 1,933,280.0634 E 2,408,201.5686

Course from PT D240 to PC D250 129° 58' 26.3297" Dist 2,424.8337'

Curve Data

Curve D250
 P.I. Station 66+34.1940 N 1,957,694.1473 E 2,432,229.4098
 Delta = 4° 38' 46.6023" (RT)
 Degree = 0° 45' 52.6250"
 Tangent = 303.9966'
 Length = 607.6601'
 Radius = 7,493.3857'
 External = 6.1638'
 Long Chord = 607.4936'
 Mid. Ord. = 6.1588'
 P.C. Station 63+30.1973 N 1,957,889.4468 E 2,431,996.4461
 P.T. Station 69+37.8574 N 1,957,480.6186 E 2,432,445.7878
 C.C. N 1,952,146.9935 E 2,427,182.3979

Course from PT D250 to PC D260 134° 37' 12.9320" Dist 3,796.8018'

Curve Data

Curve D260
 P.I. Station 110+76.1291 N 1,954,573.8768 E 2,435,391.3175
 Delta = 13° 30' 47.6407" (RT)
 Degree = 1° 59' 16.4716"
 Tangent = 341.4700'
 Length = 679.7713'
 Radius = 2,882.2137'
 External = 20.1573'
 Long Chord = 678.1969'
 Mid. Ord. = 20.0173'
 P.C. Station 107+34.6591 N 1,954,813.7269 E 2,435,148.2667
 P.T. Station 114+14.4304 N 1,954,283.8730 E 2,435,571.5938
 C.C. N 1,952,762.2314 E 2,433,123.7861

Course from PT D260 to PC D270 148° 08' 00.5727" Dist 518.0586'

Curve Data

Curve D270
 P.I. Station 122+41.1499 N 1,953,581.7563 E 2,436,008.0537
 Delta = 10° 35' 21.4405" (LT)
 Degree = 1° 43' 12.9346"
 Tangent = 308.6608'
 Length = 615.5634'
 Radius = 3,330.6472'
 External = 14.2717'
 Long Chord = 614.6877'
 Mid. Ord. = 14.2108'
 P.C. Station 119+32.4891 N 1,953,843.8959 E 2,435,845.0987
 P.T. Station 125+48.0525 N 1,953,354.0269 E 2,436,216.4063
 C.C. N 1,955,602.2844 E 2,438,673.7523

Course from PT D270 to PC D280 137° 32' 39.1322" Dist 1,150.3464'

Curve Data

Curve D280
 P.I. Station 140+09.1690 N 1,952,276.0176 E 2,437,202.6909
 Delta = 9° 55' 24.9048" (LT)
 Degree = 1° 36' 02.2135"
 Tangent = 310.7702'
 Length = 619.9858'
 Radius = 3,579.6106'
 External = 13.4647'
 Long Chord = 619.2112'
 Mid. Ord. = 13.4142'
 P.C. Station 136+98.3989 N 1,952,505.3033 E 2,436,992.9145
 P.T. Station 143+18.3847 N 1,952,086.3140 E 2,437,448.8427
 C.C. N 1,954,921.6163 E 2,439,633.9453

Course from PT D280 to PC D290 127° 37' 14.2274" Dist 303.8638'

Curve Data

Curve D290
 P.I. Station 148+17.2132 N 1,951,781.8140 E 2,437,843.9498
 Delta = 11° 53' 21.2925" (RT)
 Degree = 3° 03' 36.2329"
 Tangent = 194.9647'
 Length = 388.5293'
 Radius = 1,872.3715'
 External = 10.1232'
 Long Chord = 387.8326'
 Mid. Ord. = 10.0688'
 P.C. Station 146+22.2485 N 1,951,900.8264 E 2,437,689.5241
 P.T. Station 150+10.7778 N 1,951,633.5399 E 2,437,970.5438
 C.C. N 1,950,417.7770 E 2,436,546.5719

Course from PT D290 to PC D300 139° 30' 35.5199" Dist 166.5641'

Curve Data

Curve D300
 P.I. Station 155+54.1369 N 1,951,220.3056 E 2,438,323.3561
 Delta = 18° 56' 01.6871" (LT)
 Degree = 2° 32' 08.1492"
 Tangent = 376.7950'
 Length = 746.7197'
 Radius = 2,259.6564'
 External = 31.1997'
 Long Chord = 743.3267'
 Mid. Ord. = 30.7748'
 P.C. Station 151+77.3419 N 1,951,506.8649 E 2,438,078.6967
 P.T. Station 159+24.0616 N 1,951,028.6368 E 2,438,647.7595
 C.C. N 1,952,974.0984 E 2,439,797.2056

Course from PT D300 to D1270 120° 34' 33.8328" Dist 3,154.1700'

Point D1270 N 1,949,424.1679 E 2,441,363.3567 Sta 190+78.2317

Course from D1270 to PC D310 120° 29' 13.0442" Dist 5,225.5448'

Curve Data

Curve D310
 P.I. Station 246+16.9487 N 1,946,614.1431 E 2,446,136.3166
 Delta = 30° 17' 24.1234" (RT)
 Degree = 4° 57' 06.7468"
 Tangent = 313.1722'
 Length = 611.6883'
 Radius = 1,157.0524'
 External = 41.6332'
 Long Chord = 604.5900'
 Mid. Ord. = 40.1871'
 P.C. Station 243+03.7765 N 1,946,773.0285 E 2,445,866.4422
 P.T. Station 249+15.4648 N 1,946,340.8295 E 2,446,289.2105
 C.C. N 1,945,775.9448 E 2,445,279.4207

Course from PT D310 to PC D320 150° 46' 37.1676" Dist 2,089.7915'

Curve Data

Curve D320
 P.I. Station 276+11.9211 N 1,943,987.5618 E 2,447,605.6479
 Delta = 61° 50' 00.5716" (LT)
 Degree = 5° 39' 21.9594"
 Tangent = 606.6648'
 Length = 1,093.2178'
 Radius = 1,012.9909'
 External = 167.7685'
 Long Chord = 1,040.9333'
 Mid. Ord. = 143.9310'
 P.C. Station 270+05.2563 N 1,944,517.0139 E 2,447,309.4680
 P.T. Station 280+98.4741 N 1,943,998.7477 E 2,448,212.2095
 C.C. N 1,945,011.5664 E 2,448,193.5316

Course from PT D320 to D36 88° 56' 36.5961" Dist 5,610.4732'

Point D36 N 1,944,102.1957 E 2,453,821.7290 Sta 337+08.9474

Course from D36 to D3014 89° 03' 04.1367" Dist 1,396.4749'

Point D3014 N 1,944,125.3211 E 2,455,218.0124 Sta 351+05.4223

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 Ending chain EXIST52 description

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAS ROUTE 2079 (US 52)
SECTION (16, 17, 18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES
 VERT. SCALE: DRAWN BY
 HORIZ. SCALE: CHECKED BY
 DATE: DATE:

PLOT DATE = Thu Mar 08 06:54:47 2007
 FILE NAME = s:\projects\1622655\1622655.dwg
 USER NAME = drcadd