CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL & OGLE	232	43
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

PROPOSED HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 72200
P.I. Station 31+53.2082 N 1,959,926.2869 E 2,429,558.3263
Delta = 1° 09' 01.9736" (LT)
Degree = 0° 34' 22.6481"
Tangent = 100.4076'
Length = 200.8085'
Radius = 10,000.0000'
External = 0.5041'
Long Chord = 200.8052'
Mid. Ord. = 0.5040'
P.C. Station 30+52.8005 N 1,959,990.0882 E 2,429,480.7951
P.T. Station 32+53.6091 N 1,959,864.0552 E 2,429,637.1230
C.C. N 1,967,711.7340 E 2,435,835.0210

Curve Data

Curve 72210
P.I. Station 33+76.8243 N 1,959,787.6877 E 2,429,733.8184
Delta = 1° 24' 42.7375" (RT)
Degree = 0° 34' 22.6481"
Tangent = 123.2153'
Length = 246.4181'
Radius = 10,000.0000'
External = 0.7591'
Long Chord = 246.4118'
Mid. Ord. = 0.7590'
P.C. Station 32+53.6091 N 1,959,864.0552 E 2,429,637.1230
P.T. Station 35+00.0271 N 1,959,708.9608 E 2,429,828.6028
C.C. N 1,952,016.3765 E 2,423,439.2251

Course from PT 72210 to PC 72220 129° 42' 45.5658" Dist 410.0312'

Curve Data

Curve 72220
P.I. Station 40+28.0697 N 1,959,371.5744 E 2,430,234.8040
Delta = 1° 21' 08.0917" (RT)
Degree = 0° 34' 22.6481"
Tangent = 118.0114'
Length = 236.0117'
Radius = 10,000.0000'
External = 0.6963'
Long Chord = 236.0063'
Mid. Ord. = 0.6963'
P.C. Station 39+10.0584 N 1,959,446.9763 E 2,430,144.0228
P.T. Station 41+46.0701 N 1,959,294.0512 E 2,430,323.7805
C.C. N 1,951,754.3921 E 2,423,754.6451

Curve Data

Curve 72230
P.I. Station 42+41.2741 N 1,959,231.5104 E 2,430,395.5611
Delta = 1° 05' 27.3278" (LT)
Degree = 0° 34' 22.6480"
Tangent = 95.2040'
Length = 190.4022'
Radius = 10,000.0002'
External = 0.4532'
Long Chord = 190.3994'
Mid. Ord. = 0.4532'
P.C. Station 41+46.0701 N 1,959,294.0512 E 2,430,323.7805
P.T. Station 43+36.4723 N 1,959,170.3476 E 2,430,468.5194
C.C. N 1,966,833.7104 E 2,436,892.9161

Course from PT 72230 to PC G250 129° 58' 26.3297" Dist 1,993.8072'

Curve Data

Curve G250
P.I. Station 66+34.2761 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+30.2795 N 1,957,889.4468 E 2,431,996.4461
P.T. Station 69+37.9396 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 G250 to PC G260 134° 37' 12.9320" Dist 3,796.8018'

Curve Data

Curve G260
P.I. Station 110+76.2113 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+34.7413 N 1,954,813.7269 E 2,435,148.2667
P.T. Station 114+14.5126 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 G260 to PC G270 148° 08' 00.5727" Dist 518.0586'

Curve Data

Curve G270
P.I. Station 122+41.2321 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+32.5713 N 1,953,843.8959 E 2,435,845.0987
P.T. Station 125+48.1347 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 G270 to PC G280 137° 32' 39.1322" Dist 1,150.3464'

Curve Data

Curve G280
P.I. Station 140+09.2512 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+98.4811 N 1,952,505.3033 E 2,436,992.9145
P.T. Station 143+18.4669 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 G280 to PC G290 127° 37' 14.2274" Dist 303.8638'

Curve Data

Curve G290
P.I. Station 148+17.2954 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+22.3307 N 1,951,900.8264 E 2,437,689.5241
P.T. Station 150+10.8600 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 G290 to PC G300 139° 30' 35.5199" Dist 166.5641'

Curve Data

Curve G300
P.I. Station 155+54.2191 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+77.4241 N 1,951,506.8649 E 2,438,078.6967
P.T. Station 159+24.1438 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 G300 to G1270 120° 34' 33.8328" Dist 3,154.1700'

Point G1270 N 1,949,424.1679 E 2,441,363.3567 Sta 190+78.3139

Course from G1270 to PC G310 120° 29' 13.0442" Dist 5,225.5448'

Curve Data

Curve G310
P.I. Station 246+17.0309 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+03.8587 N 1,946,773.0285 E 2,445,866.4422
P.T. Station 249+15.5470 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 G310 to PC 70320 150° 46' 37.1676" Dist 1,798.1927'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 2079 (US 52)
SECTION (16, 17, 18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PROPOSED HORIZONTAL & VERTICAL CONTROL

PLOT DATE = Thu Mar 08 08:54:47 2007
FILE NAME = c:\projects\v2826895\v2826894ve.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = dbowsd