

PROPOSED HORIZONTAL & VERTICAL CONTROL

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(US 52)		**(16,17,18)RS-3 & (16BRM-1)		

Curve Data

Curve 70320
 P.I. Station 276+12.0033 N 1,943,987.5618 E 2,447,605.6479
 Delta = 61° 50' 00.5716" (LT)
 Degree = 3° 49' 11.9580"
 Tangent = 898.2636'
 Length = 1,618.6828'
 Radius = 1,499.8941'
 External = 248.4079'
 Long Chord = 1,541.2672'
 Mid. Ord. = 213.1128'
 P.C. Station 267+13.7397 N 1,944,771.4998 E 2,447,167.1065
 P.T. Station 283+32.4224 N 1,944,004.1243 E 2,448,503.7588
 C.C. N 1,945,503.7634 E 2,448,476.1032

Course from PT 70320 to G36 88° 56' 36.5961" Dist 5,318.8744'

Point G36 N 1,944,102.1957 E 2,453,821.7290 Sta 336+51.2968

Course from G36 to G3014 89° 03' 04.1367" Dist 1,396.4749'

Point G3014 N 1,944,125.3211 E 2,455,218.0124 Sta 350+47.7717

Ending chain PUS52 description

Chain PBROOKE contains:
 G181 CUR G1280 CUR 72250 CUR 72260

Beginning chain PBROOKE description

Point G181 N 1,962,485.3594 E 2,424,765.5737 Sta 108+13.0294

Course from G181 to PC G1280 88° 40' 12.1558" Dist 178.7235'

Curve Data

Curve G1280
 P.I. Station 111+98.0955 N 1,962,494.2968 E 2,425,150.5361
 Delta = 0° 54' 54.1273" (LT)
 Degree = 0° 13' 18.2349"
 Tangent = 206.3426'
 Length = 412.6764'
 Radius = 25,840.1136'
 External = 0.8238'
 Long Chord = 412.6720'
 Mid. Ord. = 0.8238'
 P.C. Station 109+91.7529 N 1,962,489.5076 E 2,424,944.2491
 P.T. Station 114+04.4294 N 1,962,502.3798 E 2,425,356.7203
 C.C. N 1,988,322.6601 E 2,424,344.4990

Course from PT G1280 to PC 72250 87° 45' 18.0285" Dist 537.8704'

Curve Data

Curve 72250
 P.I. Station 121+31.4175 N 1,962,530.8577 E 2,426,083.1504
 Delta = 20° 08' 19.3276" (RT)
 Degree = 5° 22' 47.5874"
 Tangent = 189.1177'
 Length = 374.3333'
 Radius = 1,065.0000'
 External = 16.6610'
 Long Chord = 372.4093'
 Mid. Ord. = 16.4044'
 P.C. Station 119+42.2998 N 1,962,523.4495 E 2,425,894.1779
 P.T. Station 123+16.6331 N 1,962,472.7509 E 2,426,263.1201
 C.C. N 1,961,459.2669 E 2,425,935.8966

Course from PT 72250 to PC 72260 107° 53' 37.3561" Dist 154.0941'

Curve Data

Curve 72260
 P.I. Station 128+03.0541 N 1,962,323.2970 E 2,426,726.0120
 Delta = 39° 55' 18.9007" (LT)
 Degree = 6° 15' 42.6018"
 Tangent = 332.3269'
 Length = 637.5435'
 Radius = 915.0000'
 External = 58.4815'
 Long Chord = 624.7249'
 Mid. Ord. = 54.9682'
 P.C. Station 124+70.7272 N 1,962,425.4051 E 2,426,409.7604
 P.T. Station 131+08.2707 N 1,962,447.9405 E 2,427,034.0788
 C.C. N 1,963,296.1449 E 2,426,690.8962

Ending chain PBROOKE description

Chain PTAYLOR contains:
 70010 CUR 71300 71310

Beginning chain PTAYLOR description

Point 70010 N 1,961,306.7130 E 2,427,308.6429 Sta 994+43.6117

Course from 70010 to PC 71300 88° 34' 37.4564" Dist 382.0720'

Curve Data

Curve 71300
 P.I. Station 999+04.6295 N 1,961,318.1611 E 2,427,769.5186
 Delta = 29° 29' 18.8696" (LT)
 Degree = 19° 05' 59.7899"
 Tangent = 78.9459'
 Length = 154.3909'
 Radius = 299.9788'
 External = 10.2142'
 Long Chord = 152.6925'
 Mid. Ord. = 9.8779'
 S. E. = 0.000
 P.C. Station 998+25.6837 N 1,961,316.2007 E 2,427,690.5971
 P.T. Station 999+80.0746 N 1,961,358.7166 E 2,427,837.2511
 C.C. N 1,961,616.0870 E 2,427,683.1480

Course from PT 71300 to 71310 59° 05' 18.5868" Dist 19.9254'

Point 71310 N 1,961,368.9526 E 2,427,854.3464 Sta 1000+00.0000

Ending chain PTAYLOR description

Chain POGLERD contains:
 G51 CUR 70230 70220

Beginning chain POGLERD description

Point G51 N 1,961,278.8489 E 2,427,309.0549 Sta 155+83.4479

Course from G51 to PC 70230 359° 09' 12.6010" Dist 434.7836'

Curve Data

Curve 70230
 P.I. Station 161+34.5021 N 1,961,829.8430 E 2,427,300.9138
 Delta = 38° 49' 05.9122" (RT)
 Degree = 17° 21' 44.4867"
 Tangent = 116.2706'
 Length = 223.5774'
 Radius = 330.0000'
 External = 19.8841'
 Long Chord = 219.3258'
 Mid. Ord. = 18.7540'
 P.C. Station 160+18.2315 N 1,961,713.5851 E 2,427,302.6315
 P.T. Station 162+41.8089 N 1,961,921.5007 E 2,427,372.4520
 C.C. N 1,961,718.4604 E 2,427,632.5955

Course from PT 70230 to 70220 37° 58' 18.5132" Dist 48.5436'

Point 70220 N 1,961,959.7683 E 2,427,402.3197 Sta 162+90.3525

Ending chain POGLERD description

Chain PELDORE contains:
 55270 CUR 55280 55001

Beginning chain PELDORE description

Point 55270 N 1,961,314.0735 E 2,427,691.6598 Sta 597+61.3341

Course from 55270 to PC 55280 359° 07' 38.4127" Dist 165.1140'

Curve Data

Curve 55280
 P.I. Station 599+67.8693 N 1,961,520.5848 E 2,427,688.5142
 Delta = 85° 15' 26.9379" (LT)
 Degree = 127° 19' 26.2361"
 Tangent = 41.4213'
 Length = 66.9611'
 Radius = 45.0000'
 External = 16.1615'
 Long Chord = 60.9521'
 Mid. Ord. = 11.8909'
 P.C. Station 599+26.4480 N 1,961,479.1683 E 2,427,689.1450
 P.T. Station 599+93.4091 N 1,961,523.3803 E 2,427,647.1873
 C.C. N 1,961,478.4829 E 2,427,644.1503

Course from PT 55280 to 55001 273° 52' 11.4748" Dist 44.4931'

Point 55001 N 1,961,526.3832 E 2,427,602.7957 Sta 600+37.9022

Ending chain PELDORE 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
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLT DATE = Thu Mar 08 08:55:47 2007
 FILE NAME = c:\pwork\2079\2079RS3\1621658v.dgn
 USER = jrb
 USER HOME = c:\users\jrb