

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	116R-4	DEKALB	416	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# HORIZONTAL & VERTICAL CONTROL

Chain EXSOAK contains:  
70012 70310

Beginning chain EXSOAK description

Point 70012 N 1,861,601.05 E 2,713,215.67 Sta 177+34.34

COURSE FROM 70012 TO 70310 358\* 16' 21.53" DIST 265.66'

Point 70310 N 1,861,866.60 E 2,713,207.67 Sta 180+00.00

Ending chain EXSOAK description

Chain EXSSAND contains:  
70021 71200

Beginning chain EXSSAND description

Point 70021 N 1,861,630.36 E 2,715,077.20 Sta 256+17.74

COURSE FROM 70021 TO 71200 358\* 24' 03.31" DIST 382.26'

Point 71200 N 1,862,012.47 E 2,715,066.53 Sta 260+00.00

Ending chain EXSSAND description

Chain EXSSYCAMO contains:  
70016 70350

Beginning chain EXSSYCAMO description

Point 70016 N 1,861,659.38 E 2,712,473.67 Sta 138+12.98

COURSE FROM 70016 TO 70350 358\* 25' 45.21" DIST 187.02'

Point 70350 N 1,861,846.33 E 2,712,468.54 Sta 140+00.00

Ending chain EXSSYCAMO description

Chain EXSVIEW contains:  
70008 CUR 70270 70280

Beginning chain EXSVIEW description

Point 70008 N 1,861,465.75 E 2,711,361.44 Sta 76+48.21

COURSE FROM 70008 TO PC 70270 1\* 25' 46.23" DIST 108.39'

Curve Data

Curve 70270

P.I. Station 78+21.20 N 1,861,638.69 E 2,711,365.76  
 DELTA = 1\* 28' 50.16" (LT)  
 DEGREE = 1\* 08' 45.30"  
 Tangent = 64.61'  
 Length = 129.21'  
 Radius = 5,000.00'  
 External = 0.42'  
 Long Chord = 129.20'  
 Mid. Ord. = 0.42'  
 P.C. Station 77+56.60 N 1,861,574.10 E 2,711,364.15  
 P.T. Station 78+85.80 N 1,861,703.29 E 2,711,365.70  
 C.C. N 1,861,698.84 E 2,706,365.70

COURSE FROM PT 70270 TO 70280 359\* 56' 56.07" DIST 114.20'

Point 70280 N 1,861,817.49 E 2,711,365.60 Sta 80+00.00

Ending chain EXSVIEW description

Chain EXWALNUT contains:  
70370 70019

Beginning chain EXWALNUT description

Point 70370 N 1,861,882.41 E 2,713,626.56 Sta 200+00.00

COURSE FROM 70370 TO 70019 358\* 33' 19.55" DIST 535.46'

Point 70019 N 1,862,417.70 E 2,713,613.07 Sta 205+35.46

Ending chain EXWALNUT description

Chain HIGH SCHOOL contains:  
60001 60002

Beginning chain HIGH SCHOOL description

Point 60001 N 1,862,025.65 E 2,715,427.98 Sta 300+00.00

COURSE FROM 60001 TO 60002 357\* 54' 35.45" DIST 125.00'

Point 60002 N 1,862,150.57 E 2,715,423.42 Sta 301+25.00

Ending chain HIGH SCHOOL description

Chain N\_SOM\_BL contains:  
1350 CUR 1300 734

Beginning chain N\_SOM\_BL description

Point 1350 N 1,861,493.70 E 2,709,346.45 Sta 30+00.00

COURSE FROM 1350 TO PC 1300 352\* 58' 16.82" DIST 242.77'

Curve Data

Curve 1300

P.I. Station 35+19.11 N 1,862,008.90 E 2,709,282.93  
 DELTA = 48\* 19' 19.26" (LT)  
 DEGREE = 9\* 18' 04.55"  
 Tangent = 276.34'  
 Length = 519.52'  
 Radius = 616.00'  
 External = 59.14'  
 Long Chord = 504.26'  
 Mid. Ord. = 53.96'  
 P.C. Station 32+42.77 N 1,861,734.64 E 2,709,316.74  
 P.T. Station 37+62.29 N 1,862,166.02 E 2,709,055.60  
 C.C. N 1,861,659.27 E 2,708,705.37

COURSE FROM PT 1300 TO 734 304\* 38' 57.56" DIST 160.70'

Point 734 N 1,862,257.38 E 2,708,923.40 Sta 39+22.99

Ending chain N\_SOM\_BL description

Chain PRRAY contains:  
70006 CUR 70240 CUR RAY2 50057

Beginning chain PRRAY description

Point 70006 N 1,861,177.71 E 2,710,422.63 Sta 893+88.66

COURSE FROM 70006 TO PC 70240 13\* 43' 38.17" DIST 122.45'

Curve Data

Curve 70240

P.I. Station 896+76.66 N 1,861,457.48 E 2,710,490.97  
 DELTA = 1\* 21' 17.93" (LT)  
 DEGREE = 0\* 24' 33.32"  
 Tangent = 165.55'  
 Length = 331.08'  
 Radius = 14,000.00'  
 External = 0.98'  
 Long Chord = 331.08'  
 Mid. Ord. = 0.98'  
 P.C. Station 895+11.11 N 1,861,296.66 E 2,710,451.69  
 P.T. Station 898+42.20 N 1,861,619.19 E 2,710,526.44  
 C.C. N 1,864,618.87 E 2,696,851.58

COURSE FROM PT 70240 TO PC RAY2 12\* 22' 20.25" DIST 17.24'

Curve Data

Curve RAY2

P.I. Station 898+85.81 N 1,861,661.79 E 2,710,535.79  
 DELTA = 3\* 46' 34.04" (LT)  
 DEGREE = 7\* 09' 43.10"  
 Tangent = 26.37'  
 Length = 52.72'  
 Radius = 800.00'  
 External = 0.43'  
 Long Chord = 52.72'  
 Mid. Ord. = 0.43'  
 P.C. Station 898+59.44 N 1,861,636.03 E 2,710,530.14  
 P.T. Station 899+12.17 N 1,861,687.87 E 2,710,539.73  
 C.C. N 1,861,807.44 E 2,709,748.72

COURSE FROM PT RAY2 TO 50057 8\* 35' 46.21" DIST 87.83'

Point 50057 N 1,861,774.71 E 2,710,552.86 Sta 900+00.00

Ending chain PRRAY description

PLOT DATE = Fri Sep 02 07:28:56 2005  
FILE NAME = C:\projects\p201706\081706\081706.dgn  
PLOT SCALE = 45,9999 / IN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_