

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	116R-4	DEKALB	416	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# HORIZONTAL & VERTICAL CONTROL

Chain STORM1 contains:  
60010 60009 60008 60007 60006 60005

Beginning chain STORM1 description

Point 60010 N 1,860,839.16 E 2,714,653.87 Sta 0+00.00  
 COURSE FROM 60010 TO 60009 359° 49' 43.77" DIST 460.58'  
 Point 60009 N 1,861,299.74 E 2,714,652.49 Sta 4+60.58  
 COURSE FROM 60009 TO 60008 359° 42' 51.49" DIST 360.15'  
 Point 60008 N 1,861,659.89 E 2,714,650.69 Sta 8+20.73  
 COURSE FROM 60008 TO 60007 359° 35' 37.15" DIST 138.12'  
 Point 60007 N 1,861,798.00 E 2,714,649.71 Sta 9+58.85  
 COURSE FROM 60007 TO 60006 0° 00' 03.61" DIST 158.69'  
 Point 60006 N 1,861,956.69 E 2,714,649.72 Sta 11+17.54  
 COURSE FROM 60006 TO 60005 14° 02' 14.17" DIST 19.26'  
 Point 60005 N 1,861,975.38 E 2,714,654.39 Sta 11+36.80

Ending chain STORM1 description

Chain STORM2 contains:  
60020 60021 60022 60023 60024

Beginning chain STORM2 description

Point 60020 N 1,861,037.32 E 2,711,161.10 Sta 61+07.58  
 COURSE FROM 60020 TO 60021 301° 27' 41.57" DIST 257.59'  
 Point 60021 N 1,861,171.77 E 2,710,941.37 Sta 63+65.17  
 COURSE FROM 60021 TO 60022 359° 49' 47.70" DIST 137.61'  
 Point 60022 N 1,861,309.38 E 2,710,940.97 Sta 65+02.79  
 COURSE FROM 60022 TO 60023 358° 54' 42.58" DIST 100.22'  
 Point 60023 N 1,861,409.58 E 2,710,939.06 Sta 66+03.01  
 COURSE FROM 60023 TO 60024 0° 33' 50.67" DIST 358.45'  
 Point 60024 N 1,861,768.02 E 2,710,942.59 Sta 69+61.46

Ending chain STORM2 description

Chain WALGRENBL contains:  
CUR 1330 70260

Beginning chain WALGRENBL description

**Curve Data**  
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**Curve 1330**  
 P.I. Station 65+11.90 N 1,861,314.41 E 2,710,938.06  
 DELTA = 44° 52' 35.37" (LT)  
 DEGREE = 60° 02' 16.57"  
 Tangent = 39.41'  
 Length = 74.75'  
 Radius = 95.43'  
 External = 7.82'  
 Long Chord = 72.85'  
 Mid. Ord. = 7.23'  
 P.C. Station 64+72.49 N 1,861,286.76 E 2,710,909.97  
 P.T. Station 65+47.24 N 1,861,353.82 E 2,710,938.45  
 C.C. N 1,861,354.77 E 2,710,843.02  
 COURSE FROM PT 1330 TO 70260 0° 34' 22.58" DIST 452.76'  
 Point 70260 N 1,861,806.56 E 2,710,942.98 Sta 70+00.00

Ending chain WALGRENBL description

Chain S\_SOM.BL contains:  
741 CUR 1310 1340

Beginning chain S\_SOM.BL description

Point 741 N 1,860,528.14 E 2,709,655.78 Sta 9+78.19  
 COURSE FROM 741 TO PC 1310 335° 32' 13.53" DIST 482.35'

**Curve Data**  
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**Curve 1310**  
 P.I. Station 16+29.18 N 1,861,120.69 E 2,709,386.20  
 DELTA = 15° 59' 54.26" (RT)  
 DEGREE = 4° 46' 28.73"  
 Tangent = 168.63'  
 Length = 335.07'  
 Radius = 1,200.00'  
 External = 11.79'  
 Long Chord = 333.98'  
 Mid. Ord. = 11.68'  
 P.C. Station 14+60.55 N 1,860,967.19 E 2,709,456.03  
 P.T. Station 17+95.62 N 1,861,287.48 E 2,709,361.38  
 C.C. N 1,861,464.12 E 2,710,548.31

COURSE FROM PT 1310 TO 1340 351° 32' 07.79" DIST 204.38'

Point 1340 N 1,861,489.64 E 2,709,331.30 Sta 20+00.00

Ending chain S\_SOM.BL description

Chain US30HNKLY contains:  
732 CUR 1290 CUR 1250 1260 CUR 1270 CUR 1280 CUR 1320 69

Beginning chain US30HNKLY description

Point 732 N 1,861,647.66 E 2,707,900.04 Sta 783+59.67  
 COURSE FROM 732 TO PC 1290 105° 45' 24.18" DIST 712.02'

**Curve Data**  
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**Curve 1290**  
 P.I. Station 793+82.44 N 1,861,369.92 E 2,708,884.38  
 DELTA = 30° 45' 11.47" (LT)  
 DEGREE = 5° 04' 13.52"  
 Tangent = 310.76'  
 Length = 606.52'  
 Radius = 1,130.00'  
 External = 41.95'  
 Long Chord = 599.27'  
 Mid. Ord. = 40.45'  
 P.C. Station 790+71.69 N 1,861,454.31 E 2,708,585.30  
 P.T. Station 796+78.21 N 1,861,450.33 E 2,709,184.56  
 C.C. N 1,862,541.85 E 2,708,892.16

COURSE FROM PT 1290 TO PC 1250 75° 00' 12.71" DIST 807.37'

Curve Data

**Curve 1250**  
 P.I. Station 810+10.29 N 1,861,795.02 E 2,710,471.27  
 DELTA = 13° 33' 25.91" (RT)  
 DEGREE = 1° 17' 52.57"  
 Tangent = 524.71'  
 Length = 1,044.52'  
 Radius = 4,414.37'  
 External = 31.08'  
 Long Chord = 1,042.08'  
 Mid. Ord. = 30.86'  
 P.C. Station 804+85.58 N 1,861,659.25 E 2,709,964.43  
 P.T. Station 815+30.10 N 1,861,808.20 E 2,710,995.82  
 C.C. N 1,857,395.22 E 2,711,106.69

COURSE FROM PT 1250 TO 1260 88° 33' 38.61" DIST 982.28'

Point 1260 N 1,861,832.87 E 2,711,977.78 Sta 825+12.38

COURSE FROM 1260 TO PC 1270 88° 25' 45.12" DIST 1,521.39'

Curve Data

**Curve 1270**  
 P.I. Station 842+43.20 N 1,861,880.32 E 2,713,707.95  
 DELTA = 12° 33' 40.45" (LT)  
 DEGREE = 3° 00' 39.53"  
 Tangent = 209.43'  
 Length = 417.18'  
 Radius = 1,902.89'  
 External = 11.49'  
 Long Chord = 416.35'  
 Mid. Ord. = 11.42'  
 P.C. Station 840+33.77 N 1,861,874.58 E 2,713,498.60  
 P.T. Station 844+50.95 N 1,861,931.45 E 2,713,911.04  
 C.C. N 1,863,776.76 E 2,713,446.44

Curve Data

**Curve 1280**  
 P.I. Station 846+37.14 N 1,861,976.91 E 2,714,091.60  
 DELTA = 12° 02' 36.17" (RT)  
 DEGREE = 3° 14' 45.90"  
 Tangent = 186.19'  
 Length = 371.01'  
 Radius = 1,765.07'  
 External = 9.79'  
 Long Chord = 370.33'  
 Mid. Ord. = 9.74'  
 P.C. Station 844+50.95 N 1,861,931.45 E 2,713,911.04  
 P.T. Station 848+21.96 N 1,861,983.70 E 2,714,277.67  
 C.C. N 1,860,219.80 E 2,714,342.00

COURSE FROM PT 1280 TO PC 1320 87° 54' 40.84" DIST 2,922.19'

Curve Data

**Curve 1320**  
 P.I. Station 882+67.17 N 1,862,109.26 E 2,717,720.59  
 DELTA = 25° 32' 43.35" (RT)  
 DEGREE = 2° 29' 00.13"  
 Tangent = 523.02'  
 Length = 1,028.66'  
 Radius = 2,307.18'  
 External = 58.54'  
 Long Chord = 1,020.16'  
 Mid. Ord. = 57.09'  
 P.C. Station 877+44.15 N 1,862,090.20 E 2,717,197.92  
 P.T. Station 887+72.81 N 1,861,901.07 E 2,718,200.39  
 C.C. N 1,859,784.55 E 2,717,282.01

COURSE FROM PT 1320 TO 69 113° 27' 24.19" DIST 328.63'

Point 69 N 1,861,770.25 E 2,718,501.87 Sta 891+01.44

Ending chain US30HNKLY description

PLOT DATE = Fri Sep 02 07:28:55 2005  
FILE NAME = C:\p\projects\2007\700\10017000\c.dgn  
PLOT SCALE = 49.9999 1/16"