

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1177	(110,111)T	LEE	59	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HORIZONTAL & VERTICAL CONTROL

Chain IL251 contains:
 130 CUR 200 CUR 210 CUR 220 CUR 230 156 CUR 240 250 CUR 260 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 320 CUR 330 155

Beginning chain IL251 description
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Point 130 N 1,784,141.6159 E 2,580,865.7192 Sta 2392+01.92

Course from 130 to PC 200 N 2° 16' 26.2430" W Dist 1,229.6253'

Curve Data

Curve 200
 P.I. Station 2406+34.73 N 1,785,573.2911 E 2,580,808.8690
 Delta = 1° 26' 36.9611" (RT)
 Degree = 0° 21' 18.9850"
 Tangent = 203.1781'
 Length = 406.3348'
 Radius = 16,127.2262'
 External = 1.2798'
 Long Chord = 406.3240'
 Mid. Ord. = 1.2797'
 P.C. Station 2404+31.55 N 1,785,370.2729 E 2,580,816.9306
 P.T. Station 2408+37.88 N 1,785,776.4479 E 2,580,805.9245
 C.C. N 1,786,010.1627 E 2,596,931.4571

Course from PT 200 to PC 210 N 0° 49' 49.2819" W Dist 1,177.7581'

Curve Data

Curve 210
 P.I. Station 2425+19.29 N 1,787,457.6801 E 2,580,781.5577
 Delta = 0° 32' 15.2058" (LT)
 Degree = 0° 03' 12.1193"
 Tangent = 503.6507'
 Length = 1,007.2940'
 Radius = 107,362.8993'
 External = 1.1813'
 Long Chord = 1,007.2903'
 Mid. Ord. = 1.1813'
 P.C. Station 2420+15.64 N 1,786,954.0823 E 2,580,788.8565
 P.T. Station 2430+22.94 N 1,787,961.1873 E 2,580,769.5344
 C.C. N 1,785,398.1856 E 2,473,437.2318

Course from PT 210 to PC 220 N 1° 22' 04.4876" W Dist 7,235.3461'

Curve Data

Curve 220
 P.I. Station 2506+88.17 N 1,795,624.2346 E 2,580,586.5475
 Delta = 0° 10' 56.1293" (LT)
 Degree = 0° 01' 16.3145"
 Tangent = 429.8857'
 Length = 859.7707'
 Radius = 270,282.7586'
 External = 0.3419'
 Long Chord = 859.7703'
 Mid. Ord. = 0.3419'
 P.C. Station 2502+58.28 N 1,795,194.4714 E 2,580,596.8098
 P.T. Station 2511+18.05 N 1,796,053.9630 E 2,580,574.9181
 C.C. N 1,788,742.1944 E 2,310,391.0777

Course from PT 220 to PC 230 N 1° 33' 00.6169" W Dist 12,011.0225'

Curve Data

Curve 230
 P.I. Station 2633+84.55 N 1,808,315.9672 E 2,580,243.0813
 Delta = 6° 21' 34.4980" (LT)
 Degree = 1° 14' 45.4472"
 Tangent = 255.4710'
 Length = 510.4173'
 Radius = 4,598.5339'
 External = 7.0909'
 Long Chord = 510.1553'
 Mid. Ord. = 7.0799'
 P.C. Station 2631+29.08 N 1,808,060.5897 E 2,580,249.9924
 P.T. Station 2636+39.49 N 1,808,569.0077 E 2,580,207.9251
 C.C. N 1,807,936.1889 E 2,575,653.1415

Course from PT 230 to 156 N 7° 54' 35.1149" W Dist 96.5072'

End Region 1

Equation: Sta 2637+36.00 (BK) = Sta 0+00.00 (AH) -----

Begin Region 2

Point 156 N 1,808,664.5967 E 2,580,194.6445 Sta 0+00.00

Course from 156 to PC 240 N 7° 54' 35.1149" W Dist 90.3137'

Curve Data

Curve 240
 P.I. Station 3+34.24 N 1,808,995.6571 E 2,580,148.6486
 Delta = 6° 55' 19.6850" (RT)
 Degree = 1° 25' 14.2501"
 Tangent = 243.9267'
 Length = 487.2598'
 Radius = 4,033.1388'
 External = 7.3697'
 Long Chord = 486.9635'
 Mid. Ord. = 7.3562'
 P.C. Station 0+90.31 N 1,808,754.0512 E 2,580,182.2161
 P.T. Station 5+77.57 N 1,809,239.5476 E 2,580,144.4442
 C.C. N 1,809,309.0642 E 2,584,176.9838

Course from PT 240 to 250 N 0° 59' 15.4299" W Dist 14,935.3643'

Point 250 N 1,824,172.6931 E 2,579,887.0129 Sta 155+12.94

Course from 250 to PC 260 N 1° 08' 32.8178" W Dist 3,621.0369'

Curve Data

Curve 260
 P.I. Station 211+07.75 N 1,829,766.3886 E 2,579,775.4626
 Delta = 91° 53' 57.3704" (RT)
 Degree = 3° 00' 02.5740"
 Tangent = 1,973.7709'
 Length = 3,062.5791'
 Radius = 1,909.4042'
 External = 836.7924'
 Long Chord = 2,744.6880'
 Mid. Ord. = 581.8137'
 P.C. Station 191+33.97 N 1,827,793.0101 E 2,579,814.8160
 P.T. Station 221+96.55 N 1,829,740.3178 E 2,581,749.0613
 C.C. N 1,827,831.0802 E 2,581,723.8407

Course from PT 260 to PC 270 S 89° 14' 35.4475" E Dist 1,975.2561'

Curve Data

Curve 270
 P.I. Station 251+88.69 N 1,829,700.7958 E 2,584,740.9385
 Delta = 0° 28' 52.3973" (LT)
 Degree = 0° 01' 25.1823"
 Tangent = 1,016.8821'
 Length = 2,033.7522'
 Radius = 242,145.0908'
 External = 2.1352'
 Long Chord = 2,033.7462'
 Mid. Ord. = 2.1352'
 P.C. Station 241+71.81 N 1,829,714.2274 E 2,583,724.1451
 P.T. Station 262+05.56 N 1,829,695.9045 E 2,585,757.8088
 C.C. N 2,071,838.1941 E 2,586,922.5474

Course from PT 270 to PC 280 S 89° 43' 27.8448" E Dist 2,599.6564'

Curve Data

Curve 280
 P.I. Station 307+60.73 N 1,829,673.9938 E 2,590,312.9276
 Delta = 91° 16' 07.0805" (LT)
 Degree = 2° 59' 44.0230"
 Tangent = 1,955.5152'
 Length = 3,046.7951'
 Radius = 1,912.6889'
 External = 822.7121'
 Long Chord = 2,734.7304'
 Mid. Ord. = 575.2693'
 P.C. Station 288+05.22 N 1,829,683.4000 E 2,588,357.4351
 P.T. Station 318+52.01 N 1,831,629.2152 E 2,590,279.0368
 C.C. N 1,831,596.0667 E 2,588,366.6352

Course from PT 280 to PC 290 N 0° 59' 34.9253" W Dist 2,617.6359'

Curve Data

Curve 290
 P.I. Station 349+69.65 N 1,834,746.3829 E 2,590,225.0055
 Delta = 0° 17' 02.5555" (LT)
 Degree = 0° 01' 42.2558"
 Tangent = 500.0000'
 Length = 999.9980'
 Radius = 201,714.6059'
 External = 0.6197'
 Long Chord = 999.9969'
 Mid. Ord. = 0.6197'
 P.C. Station 344+69.65 N 1,834,246.4580 E 2,590,233.6710
 P.T. Station 354+69.65 N 1,835,246.2587 E 2,590,213.8618
 C.C. N 1,830,750.5706 E 2,388,549.3607

Course from PT 290 to PC 300 N 1° 16' 37.4808" W Dist 3,043.5156'

Curve Data

Curve 300
 P.I. Station 395+49.92 N 1,839,325.5218 E 2,590,122.9232
 Delta = 56° 50' 56.2373" (RT)
 Degree = 2° 59' 28.2362"
 Tangent = 1,036.7610'
 Length = 1,900.5549'
 Radius = 1,915.4930'
 External = 262.5765'
 Long Chord = 1,823.5491'
 Mid. Ord. = 230.9217'
 P.C. Station 385+13.16 N 1,838,289.0184 E 2,590,146.0299
 P.T. Station 404+13.72 N 1,839,911.6774 E 2,590,978.0811
 C.C. N 1,838,331.7097 E 2,592,061.0470

Course from PT 300 to PC 310 N 55° 34' 18.7565" E Dist 486.5268'

PLOT DATE = Tue Feb 26 10:20:46 2008
 FILE NAME = C:\Users\user\Documents\1177\1177.dwg
 PLOT SCALE = 1/8" = 1' / IN.
 USER NAME = csh11msh