

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1177	(110,111)T	LEE	59	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 310
P.I. Station 419+23.61 N 1,840,765.3288 E 2,592,223.4957
Delta = 56° 09' 07.4459" (LT)
Degree = 2° 59' 11.2103"
Tangent = 1,023.3666'
Length = 1,880.2297'
Radius = 1,918.5264'
External = 255.8753'
Long Chord = 1,805.8815'
Mid. Ord. = 225.7649'
P.C. Station 409+00.24 N 1,840,186.7460 E 2,591,379.3860
P.T. Station 427+80.47 N 1,841,788.6430 E 2,592,213.1330
C.C. N 1,841,769.2158 E 2,590,294.7050

Course from PT 310 to PC 320 N 0° 34' 48.6894" W Dist 29,889.8324'

Curve Data

Curve 320
P.I. Station 731+18.10 N 1,872,124.7150 E 2,591,905.9318
Delta = 1° 49' 13.9506" (RT)
Degree = 0° 12' 11.8642"
Tangent = 447.7950'
Length = 895.5146'
Radius = 28,183.4827'
External = 3.5572'
Long Chord = 895.4770'
Mid. Ord. = 3.5567'
P.C. Station 726+70.31 N 1,871,676.9429 E 2,591,910.4662
P.T. Station 735+65.82 N 1,872,572.4050 E 2,591,915.6250
C.C. N 1,871,962.3311 E 2,620,092.5039

Course from PT 320 to PC 330 N 1° 14' 25.2612" E Dist 161.0380'

Curve Data

Curve 330
P.I. Station 741+89.57 N 1,873,196.0030 E 2,591,929.1269
Delta = 1° 36' 49.4373" (LT)
Degree = 0° 10' 27.8091"
Tangent = 462.7061'
Length = 925.3510'
Radius = 32,854.7032'
External = 3.2581'
Long Chord = 925.3204'
Mid. Ord. = 3.2578'
P.C. Station 737+26.86 N 1,872,733.4053 E 2,591,919.1109
P.T. Station 746+52.21 N 1,873,658.6992 E 2,591,926.1116
C.C. N 1,873,444.5949 E 2,559,072.1060

Course from PT 330 to 155 N 0° 22' 24.1762" W Dist 10,642.7058'

Point 155 N 1,884,301.1790 E 2,591,856.7562 Sta 852+94.92

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Ending chain IL251 description

Chain BRKLYNRD contains:
1141 1200 1144

Beginning chain BRKLYNRD description
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Point 1141 N 1,851,054.46 E 2,573,568.82 Sta 1946+58.59

Course from 1141 to 1200 359° 22' 15.35" Dist 5,341.41'

Point 1200 N 1,856,395.55 E 2,573,510.18 Sta 2000+00.00

Course from 1200 to 1144 359° 20' 33.33" Dist 2,701.31'

Point 1144 N 1,859,096.68 E 2,573,479.18 Sta 2027+01.31

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Ending chain BRKLYNRD description

Chain S_SPUR contains:
360 CUR 370 1003 1140

Beginning chain S_SPUR description
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Point 360 N 1,829,549.21 E 2,580,890.86 Sta 1500+00.00

Course from 360 to PC 370 319° 08' 06.67" Dist 55.05'

Curve Data

Curve 370
P.I. Station 1502+65.80 N 1,829,750.22 E 2,580,716.96
Delta = 47° 37' 53.60" (LT)
Degree = 12° 00' 00.44"
Tangent = 210.74'
Length = 396.93'
Radius = 477.46'
External = 44.44'
Long Chord = 385.59'
Mid. Ord. = 40.66'
P.C. Station 1500+55.05 N 1,829,590.85 E 2,580,854.84
P.T. Station 1504+51.98 N 1,829,755.75 E 2,580,506.29
C.C. N 1,829,278.46 E 2,580,493.76

Course from PT 370 to 1003 271° 30' 13.07" Dist 731.45'

Point 1003 N 1,829,774.95 E 2,579,775.09 Sta 1511+83.43

Course from 1003 to 1140 270° 59' 52.67" Dist 4,265.85'

Point 1140 N 1,829,849.24 E 2,575,509.88 Sta 1554+49.29

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Ending chain S_SPUR description

Chain S_STUB contains:
CUR 380 CUR 1210 1220

Beginning chain S_STUB description
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Curve Data

Curve 380
P.I. Station 1000+53.26 N 1,828,196.15 E 2,579,805.97
Delta = 42° 14' 04.45" (RT)
Degree = 41° 32' 56.30"
Tangent = 53.26'
Length = 101.65'
Radius = 137.90'
External = 9.93'
Long Chord = 99.36'
Mid. Ord. = 9.26'
P.C. Station 1000+00.00 N 1,828,157.42 E 2,579,842.53
P.T. Station 1001+01.65 N 1,828,249.40 E 2,579,804.93
C.C. N 1,828,252.09 E 2,579,942.80

Course from PT 380 to PC 1210 358° 52' 46.14" Dist 862.72'

Curve Data

Curve 1210
P.I. Station 1012+51.24 N 1,829,398.77 E 2,579,782.45
Delta = 1° 09' 48.54" (RT)
Degree = 0° 12' 10.08"
Tangent = 286.87'
Length = 573.71'
Radius = 28,252.51'
External = 1.46'
Long Chord = 573.70'
Mid. Ord. = 1.46'
P.C. Station 1009+64.38 N 1,829,111.96 E 2,579,788.06
P.T. Station 1015+38.09 N 1,829,685.63 E 2,579,782.66
C.C. N 1,829,664.45 E 2,608,035.17

Course from PT 1210 to 1220 0° 02' 34.68" Dist 89.11'

Point 1220 N 1,829,774.74 E 2,579,782.73 Sta 1016+27.20

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Ending chain S_STUB description

Chain US30WEST contains:
1020521 10205200

Beginning chain US30WEST description
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Point 1020521 N 1,856,358.92 E 2,571,554.76 Sta 2922+77.23

Course from 1020521 to 10205200 88° 55' 36.16" Dist 20,509.97'

Point 10205200 N 1,856,743.10 E 2,592,061.13 Sta 3127+87.20

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Ending chain US30WEST description

PLOT DATE = Tue Feb 26 10:26:45 2008
FILE NAME = C:\Users\jacob\Documents\1177\1177.dgn
PLOT SCALE = 625.0000 / IN.
USER NAME = jacob