

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	117 T	OGLE	86	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HORIZONTAL & VERTICAL CONTROL

Chain IL72 contains:
3020 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 250 CUR 260 CUR 270 CUR 280 32

Beginning chain IL72 description

Point 3020 N 1,988,563.21 E 2,492,081.99 Sta 734+32.0500

Course from 3020 to PC 200 99° 43' 59.5314" Dist 5,269.34'

Curve Data

Curve 200
P.I. Station 797+98.0356 N 1,987,486.97 E 2,498,356.34
Delta = 41° 46' 41.7726" (LT)
Degree = 1° 59' 38.2522"
Tangent = 1,096.65'
Length = 2,095.24'
Radius = 2,873.47'
External = 202.15'
Long Chord = 2,049.13'
Mid. Ord. = 188.87'
P.C. Station 787+01.3890 N 1,987,672.37 E 2,497,275.48
P.T. Station 807+96.6313 N 1,988,068.84 E 2,499,285.89
C.C. N 1,990,504.48 E 2,497,761.27

Curve Data

Curve 210
P.I. Station 812+96.6638 N 1,988,334.15 E 2,499,709.74
Delta = 14° 20' 59.4333" (LT)
Degree = 1° 26' 32.7795"
Tangent = 500.03'
Length = 994.83'
Radius = 3,972.15'
External = 31.35'
Long Chord = 992.23'
Mid. Ord. = 31.10'
P.C. Station 807+96.6313 N 1,988,068.84 E 2,499,285.89
P.T. Station 817+91.4633 N 1,988,696.22 E 2,500,054.60
C.C. N 1,991,435.75 E 2,497,178.33

Curve Data

Curve 220
P.I. Station 823+17.9413 N 1,989,077.45 E 2,500,417.70
Delta = 44° 59' 28.2366" (RT)
Degree = 5° 00' 26.3796"
Tangent = 473.86'
Length = 898.51'
Radius = 1,144.24'
External = 94.24'
Long Chord = 875.60'
Mid. Ord. = 87.07'
P.C. Station 818+44.0853 N 1,988,734.33 E 2,500,090.89
P.T. Station 827+42.5920 N 1,989,089.06 E 2,500,891.42
C.C. N 1,987,945.17 E 2,500,919.45

Curve Data

Curve 230
P.I. Station 874+36.9044 N 1,989,204.06 E 2,505,584.32
Delta = 27° 26' 27.9274" (LT)
Degree = 2° 29' 40.0550"
Tangent = 560.80'
Length = 1,100.08'
Radius = 2,296.92'
External = 67.47'
Long Chord = 1,089.60'
Mid. Ord. = 65.54'
P.C. Station 868+76.1027 N 1,989,190.32 E 2,505,023.69
P.T. Station 879+76.1842 N 1,989,474.61 E 2,506,075.54
C.C. N 1,991,486.55 E 2,504,967.42

Course from PT 230 to PC 240 61° 09' 18.6347" Dist 1,959.49'

Curve Data

Curve 240
P.I. Station 907+13.2168 N 1,990,795.06 E 2,508,472.99
Delta = 27° 56' 48.1031" (RT)
Degree = 1° 50' 01.0258"
Tangent = 777.54'
Length = 1,524.13'
Radius = 3,124.74'
External = 95.29'
Long Chord = 1,509.06'
Mid. Ord. = 92.47'
P.C. Station 899+35.6757 N 1,990,419.95 E 2,507,791.92
P.T. Station 914+59.8040 N 1,990,807.25 E 2,509,250.44
C.C. N 1,987,682.90 E 2,509,299.42

Course from PT 240 to 250 89° 06' 06.7378" Dist 6,988.73'

Point 250 N 1,990,916.80 E 2,516,238.31 Sta 984+48.5329

Course from 250 to PC 260 88° 24' 20.3269" Dist 17,047.16'

Curve Data

Curve 260
P.I. Station 1157+70.6308 N 1,991,398.75 E 2,533,553.70
Delta = 26° 46' 11.0371" (RT)
Degree = 4° 57' 32.0674"
Tangent = 274.94'
Length = 539.83'
Radius = 1,155.41'
External = 32.26'
Long Chord = 534.93'
Mid. Ord. = 31.38'
P.C. Station 1154+95.6955 N 1,991,391.10 E 2,533,278.87
P.T. Station 1160+35.5267 N 1,991,281.80 E 2,533,802.52
C.C. N 1,990,236.14 E 2,533,311.02

Course from PT 260 to PC 270 115° 10' 31.3640" Dist 1,542.95'

Curve Data

Curve 270
P.I. Station 1180+52.1521 N 1,990,423.94 E 2,535,627.58
Delta = 12° 38' 05.0859" (RT)
Degree = 1° 20' 20.8792"
Tangent = 473.67'
Length = 943.50'
Radius = 4,278.57'
External = 26.14'
Long Chord = 941.59'
Mid. Ord. = 25.98'
P.C. Station 1175+78.4802 N 1,990,625.44 E 2,535,198.91
P.T. Station 1185+21.9820 N 1,990,133.56 E 2,536,001.81
C.C. N 1,986,753.29 E 2,533,378.84

Course from PT 270 to PC 280 127° 48' 36.4499" Dist 134.30'

Curve Data

Curve 280
P.I. Station 1188+62.6229 N 1,989,924.73 E 2,536,270.93
Delta = 14° 26' 59.2961" (RT)
Degree = 3° 31' 12.2060"
Tangent = 206.34'
Length = 410.50'
Radius = 1,627.69'
External = 13.03'
Long Chord = 409.41'
Mid. Ord. = 12.92'
P.C. Station 1186+56.2785 N 1,990,051.23 E 2,536,107.91
P.T. Station 1190+66.7777 N 1,989,761.56 E 2,536,397.23
C.C. N 1,988,765.28 E 2,535,110.06

Course from PT 280 to 32 142° 15' 35.7460" Dist 267.94'

Point 32 N 1,989,549.67 E 2,536,561.23 Sta 1193+34.7225

Ending chain IL72 description

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL72	783+30.9307	47.2162' LT	TELEGRAPH POLE, NAIL
501	IL72	784+19.3343	24.4014' LT	GUARDRAIL STEEL PLATE BEAM, END
502	IL72	783+69.0157	24.2417' RT	GUARDRAIL STEEL PLATE BEAM, END
503	IL72	793+59.4953	60.0525' LT	TELEGRAPH POLE, NAIL
504	IL72	794+61.3211	60.0748' LT	TELEGRAPH POLE, NAIL
505	IL72	795+68.4815	59.1855' LT	TELEGRAPH POLE, NAIL
506	IL72	812+69.8377	20.5897' RT	HEADWALL, CORNER
507	IL72	812+91.6558	21.3722' LT	GUARDRAIL STEEL PLATE BEAM, BOLT
508	IL72	813+18.7446	27.8152' RT	HEADWALL, CROSS CUT
518	IL72	856+83.3888	38.8672' RT	FENCE POST, NAIL
519	IL72	856+57.7853	38.4909' RT	FENCE POST, NAIL
520	IL72	856+61.8561	17.1281' LT	POWER POLE, NAIL
542	IL72	985+33.5949	38.9345' RT	POWER POLE, NAIL
543	IL72	983+58.8794	38.9062' RT	POWER POLE, NAIL
553	IL72	1092+71.6393	38.0972' RT	POWER POLE, NAIL
554	IL72	1090+97.6587	40.1893' RT	POWER POLE, NAIL
555	IL72	1092+74.1647	40.415' LT	TELEPHONE POLE, NAIL
556	IL72	1092+23.6894	73.4161' LT	POWER POLE, NAIL

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
IL72	200	200	201	202	203
IL72	210	210	211	212	213
IL72	220	220	221	222	223
IL72	230	230	231	232	233
IL72	240	240	241	242	243
IL72	260	260	261	262	263
IL72	270	270	271	272	273
IL72	280	280	281	282	283

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. DRAWN BY HORIZ. CHECKED BY DATE

HORIZONTAL & VERTICAL CONTROL