

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	JTRS-6	OGLE	69	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

HORIZONTAL AND VERTICAL CONTROL

Chain PRIL2 contains:
70000 CUR 70200 CUR 70210 CUR 70220 CUR 70230 CUR 70240 CUR 70250 CUR 70260 CUR 70270 CUR 70280 CUR 70290

Beginning chain PRIL2 description

Point 70000 N 1,945,719.6790 E 726,654.5670 Sta 538+74.2478

Course from 70000 to PC 70200 0° 53' 05.3999" Dist 5,814.6147'

Curve Data

Curve 70200

P.I. Station 598+16.7274 N 1,951,661.4500 E 726,746.3346
Delta = 17° 45' 27.3413" (LT)
Degree = 7° 00' 00.0350"
Tangent = 127.8649'
Length = 253.6796'
Radius = 818.5100'
External = 9.9271'
Long Chord = 252.6655'
Mid. Ord. = 9.8082'
P.C. Station 596+88.8625 N 1,951,533.6003 E 726,744.3600
P.T. Station 599+42.5421 N 1,951,783.8106 E 726,709.2221
C.C. N 1,951,546.2403 E 725,925.9476

Course from PT 70200 to PC 70210 343° 07' 38.0586" Dist 359.0976'

Curve Data

Curve 70210

P.I. Station 604+39.3011 N 1,952,259.1850 E 726,565.0392
Delta = 6° 52' 29.3117" (LT)
Degree = 2° 29' 59.9968"
Tangent = 137.6614'
Length = 274.9925'
Radius = 2,291.8320'
External = 4.1307'
Long Chord = 274.8275'
Mid. Ord. = 4.1232'
P.C. Station 603+01.6396 N 1,952,127.4496 E 726,604.9950
P.T. Station 605+76.6321 N 1,952,385.1904 E 726,509.6018
C.C. N 1,951,462.2516 E 724,411.8225

Course from PT 70210 to PC 70220 336° 15' 08.7469" Dist 216.9514'

Curve Data

Curve 70220

P.I. Station 609+49.1456 N 1,952,726.1626 E 726,359.5877
Delta = 7° 45' 58.2932" (RT)
Degree = 2° 29' 59.9968"
Tangent = 155.5622'
Length = 310.6478'
Radius = 2,291.8320'
External = 5.2735'
Long Chord = 310.4101'
Mid. Ord. = 5.2614'
P.C. Station 607+93.5835 N 1,952,583.7722 E 726,422.2338
P.T. Station 611+04.2313 N 1,952,875.7125 E 726,316.7576
C.C. N 1,953,506.7110 E 728,520.0131

Course from PT 70220 to PC 70230 344° 01' 07.0401" Dist 327.8643'

Curve Data

Curve 70230

P.I. Station 616+89.7125 N 1,953,438.5656 E 726,155.5600
Delta = 9° 48' 58.1788" (LT)
Degree = 1° 54' 35.4935"
Tangent = 257.6169'
Length = 513.9730'
Radius = 3,000.0000'
External = 11.0408'
Long Chord = 513.3446'
Mid. Ord. = 11.0003'
P.C. Station 614+32.0956 N 1,953,190.9053 E 726,226.4883
P.T. Station 619+46.0686 N 1,953,670.5078 E 726,043.4471
C.C. N 1,952,364.9306 E 723,342.4347

Course from PT 70230 to PC 70240 334° 12' 08.8614" Dist 813.7205'

Curve Data

Curve 70240

P.I. Station 629+83.8170 N 1,954,604.8316 E 725,591.8268
Delta = 10° 14' 28.7923" (RT)
Degree = 2° 17' 30.5922"
Tangent = 224.0280'
Length = 446.8624'
Radius = 2,500.0000'
External = 10.0176'
Long Chord = 446.2677'
Mid. Ord. = 9.9777'
P.C. Station 627+59.7891 N 1,954,403.1309 E 725,689.3221
P.T. Station 632+06.6514 N 1,954,820.6530 E 725,531.7462
C.C. N 1,955,491.1119 E 727,940.1657

Course from PT 70240 to PC 70250 344° 26' 37.6537" Dist 225.0266'

Curve Data

Curve 70250

P.I. Station 638+41.2306 N 1,955,431.9861 E 725,361.5625
Delta = 31° 54' 45.8757" (LT)
Degree = 3° 59' 59.9949"
Tangent = 409.5525'
Length = 797.8189'
Radius = 1,432.3950'
External = 57.3999'
Long Chord = 787.5460'
Mid. Ord. = 55.1883'
P.C. Station 634+31.6781 N 1,955,037.4364 E 725,471.3977
P.T. Station 642+29.4969 N 1,955,708.8394 E 725,059.7587
C.C. N 1,954,653.2916 E 724,091.4745

Course from PT 70250 to PC 70260 312° 31' 51.7780" Dist 246.0064'

Curve Data

Curve 70260

P.I. Station 650+08.0802 N 1,956,235.1536 E 724,486.0120
Delta = 40° 47' 28.5886" (RT)
Degree = 4° 00' 00.0451"
Tangent = 532.5769'
Length = 1,019.7787'
Radius = 1,432.3900'
External = 95.8048'
Long Chord = 998.3778'
Mid. Ord. = 89.7986'
P.C. Station 644+75.5033 N 1,955,875.1372 E 724,878.4738
P.T. Station 654+95.2820 N 1,956,764.1176 E 724,424.0819
C.C. N 1,956,930.6813 E 725,846.7546

Course from PT 70260 to PC 70270 353° 19' 20.3666" Dist 2,382.0455'

Curve Data

Curve 70270

P.I. Station 682+45.1864 N 1,959,495.3667 E 724,104.3127
Delta = 27° 33' 30.4800" (LT)
Degree = 3° 49' 10.9871"
Tangent = 367.8589'
Length = 721.4790'
Radius = 1,500.0000'
External = 44.4482'
Long Chord = 714.5444'
Mid. Ord. = 43.1690'
P.C. Station 678+77.3274 N 1,959,130.0033 E 724,147.0887
P.T. Station 685+98.8064 N 1,959,799.4852 E 723,897.3534
C.C. N 1,958,955.5777 E 722,657.2647

Course from PT 70270 to PC 70280 325° 45' 49.8867" Dist 562.6274'

Curve Data

Curve 70280

P.I. Station 694+01.4392 N 1,960,463.0425 E 723,445.7882
Delta = 3° 59' 29.4189" (LT)
Degree = 0° 49' 54.7723"
Tangent = 240.0054'
Length = 479.8167'
Radius = 6,887.4955'
External = 4.1804'
Long Chord = 479.7197'
Mid. Ord. = 4.1779'
P.C. Station 691+61.4338 N 1,960,264.6238 E 723,580.8165
P.T. Station 696+41.2505 N 1,960,651.5808 E 723,297.2758
C.C. N 1,956,389.6844 E 717,886.7459

Course from PT 70280 to PC 70290 321° 46' 20.4677" Dist 160.9428'

Curve Data

Curve 70290

P.I. Station 703+43.1975 N 1,961,203.0011 E 722,862.9198
Delta = 16° 10' 22.9026" (RT)
Degree = 1° 30' 17.0193"
Tangent = 541.0041'
Length = 1,074.8144'
Radius = 3,807.7178'
External = 38.2412'
Long Chord = 1,071.2497'
Mid. Ord. = 37.8609'
P.C. Station 698+02.1934 N 1,960,778.0107 E 723,197.6864
P.T. Station 708+77.0077 N 1,961,704.4180 E 722,659.7780
C.C. N 1,963,134.1791 E 726,188.8711

Ending chain PRIL2 description

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

PLT DATE = Wed Aug 19 14:05:28 2009
PLT SCALE = 1"=100.0000'
USER NAME = jayr