

ALIGNMENT DATA

IL. RTE. 47 (CONT.)

Curve Data

Curve IL47P12.17
 P.I. Station 6587+67.46 N 1,777,711.6064 E 956,778.1353
 Delta = 5° 45' 09.49" (LT)
 Degree = 1° 32' 54.72"
 Tangent = 185.9008
 Length = 371.4891
 Radius = 3,700.0001
 External = 4.6672
 Long Chord = 371.3331
 Mid. Ord. = 4.6613
 P.C. Station 6585+81.56 N 1,777,525.7609 E 956,782.6661
 P.T. Station 6589+53.05 N 1,777,896.0619 E 956,754.9993
 C.C. N 1,777,435.5840 E 953,083.7651
 Back = N 1° 23' 47.61" W
 Ahead = N 7° 08' 57.11" W
 Chord Bear = N 4° 16' 22.36" W

Course from PT IL47P12.17 to PC IL47P12.18 N 7° 08' 57.11" W Dist 506.9968

Curve Data

Curve IL47P12.18
 P.I. Station 6596+40.22 N 1,778,577.8896 E 956,669.4786
 Delta = 5° 34' 32.48" (RT)
 Degree = 1° 32' 54.72"
 Tangent = 180.1733
 Length = 360.0622
 Radius = 3,700.0000
 External = 4.3842
 Long Chord = 359.9201
 Mid. Ord. = 4.3790
 P.C. Station 6594+60.05 N 1,778,399.1170 E 956,691.9018
 P.T. Station 6598+20.11 N 1,778,757.9949 E 956,664.5311
 C.C. N 1,778,859.5949 E 960,363.1359
 Back = N 7° 08' 57.11" W
 Ahead = N 1° 34' 24.63" W
 Chord Bear = N 4° 21' 40.87" W

Course from PT IL47P12.18 to PC IL47P12.19 N 1° 34' 24.63" W Dist 2,707.5550

Curve Data

Curve IL47P12.19
 P.I. Station 6627+40.55 N 1,781,677.3311 E 956,584.3375
 Delta = 2° 01' 57.59" (RT)
 Degree = 0° 28' 38.87"
 Tangent = 212.8824
 Length = 425.7201
 Radius = 12,000.0000
 External = 1.8881
 Long Chord = 425.6978
 Mid. Ord. = 1.8878
 P.C. Station 6625+27.66 N 1,781,464.5290 E 956,590.1831
 P.T. Station 6629+53.38 N 1,781,890.2067 E 956,586.0435
 C.C. N 1,781,794.0425 E 968,585.6582
 Back = N 1° 34' 24.63" W
 Ahead = N 0° 27' 32.96" E
 Chord Bear = N 0° 33' 25.84" W

IL. RTE. 47 (CONT.)

Curve Data

Curve IL47P12.20
 P.I. Station 6631+65.98 N 1,782,102.7957 E 956,587.7472
 Delta = 2° 01' 47.74" (LT)
 Degree = 0° 28' 38.87"
 Tangent = 212.5958
 Length = 425.1472
 Radius = 12,000.0000
 External = 1.8831
 Long Chord = 425.1250
 Mid. Ord. = 1.8828
 P.C. Station 6629+53.38 N 1,781,890.2067 E 956,586.0435
 P.T. Station 6633+78.53 N 1,782,315.3116 E 956,581.9195
 C.C. N 1,781,986.3709 E 944,586.4288
 Back = N 0° 27' 32.96" E
 Ahead = N 1° 34' 14.78" W
 Chord Bear = N 0° 33' 20.91" W

Course from PT IL47P12.20 to IL47I104 N 1° 34' 14.78" W Dist 621.4790

End Region 1

Begin Region 2

Equation: Sta 6640+00.01 (BK) = Sta 6639+99.99 (AH)

Point IL47I104 N 1,782,936.5571 E 956,564.8837 Sta 6639+99.99

Ending chain IL47 description

WHITEWILLOW RD.

Chain WHITE_WILLOW contains:
 WW4701 WW4702 WW4703
 Beginning chain WHITE_WILLOW description

 Point WW4701 N 1,750,865.7100 E 958,360.4912 Sta 600+00.00
 Course from WW4701 to WW4702 N 87° 48' 20.26" E Dist 1,184.9269
 Point WW4702 N 1,750,911.0804 E 959,544.5491 Sta 611+84.93
 Course from WW4702 to WW4703 N 88° 23' 20.17" E Dist 640.6929
 Point WW4703 N 1,750,929.0932 E 960,184.9888 Sta 618+25.62

 Ending chain WHITE_WILLOW description

JOLIET RD.

Chain JOLIET contains:
 J04701 CUR 47J0_P1-1 J04702
 Beginning chain JOLIET description

 Point J04701 N 1,753,391.0468 E 955,550.7159 Sta 695+00.00
 Course from J04701 to PC 47J0_P1-1 N 88° 20' 41.47" E Dist 1,137.5760

Curve Data

Curve 47J0_P1-1
 P.I. Station 707+42.48 N 1,753,426.9343 E 956,792.6767
 Delta = 23° 41' 53.85" (LT)
 Degree = 11° 27' 32.96"
 Tangent = 104.9031
 Length = 206.8066
 Radius = 500.0000
 External = 10.8862
 Long Chord = 205.3356
 Mid. Ord. = 10.6542
 P.C. Station 706+37.58 N 1,753,423.9043 E 956,687.8173
 P.T. Station 708+44.38 N 1,753,471.8539 E 956,887.4759
 C.C. N 1,753,923.6957 E 956,673.3754
 Back = N 88° 20' 41.47" E
 Ahead = N 64° 38' 47.61" E
 Chord Bear = N 76° 29' 44.54" E

Course from PT 47J0_P1-1 to J04702 N 64° 38' 47.61" E Dist 155.6174

Point J04702 N 1,753,538.4895 E 957,028.1048 Sta 710+00.00

 Ending chain JOLIET description

QUARRY RD.

Chain QUARRY contains:
 QUP4701 QUP4702
 Beginning chain QUARRY description

 Point QUP4701 N 1,753,435.8251 E 956,782.8389 Sta 800+00.00
 Course from QUP4701 to QUP4702 S 0° 49' 48.48" E Dist 841.6481
 Point QUP4702 N 1,752,594.2653 E 956,795.0328 Sta 808+41.65

 Ending chain QUARRY description