

HORIZONTAL & VERTICAL CONTROL

Chain IL64 contains:
 0G00155 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260 CUR 270 CUR 28-
 0 CUR 290 CUR 310 CUR 320 CUR 330 182

Beginning chain IL64 description
 =====

Point 0G00155 N 1,948,930.7171 E 2,524,348.9148 Sta 1048+00.4174

Course from 0G00155 to PC 200 S 89° 06' 00.7686" E Dist 4,384.4610'

Curve Data *-----*

Curve 200

P.I. Station 1098+28.7894 N 1,948,851.7536 E 2,529,376.6668
 Delta = 25° 15' 10.2042" (RT)
 Degree = 1° 59' 35.7601"
 Tangent = 643.9110'
 Length = 1,266.9070'
 Radius = 2,874.4663'
 External = 71.2387'
 Long Chord = 1,256.6775'
 Mid. Ord. = 69.5159'
 P.C. Station 1091+84.8784 N 1,948,861.8653 E 2,528,732.8352
 P.T. Station 1104+51.7854 N 1,948,567.9410 E 2,529,954.6562
 C.C. N 1,945,987.7535 E 2,528,687.6957

Course from PT 200 to PC 210 S 63° 50' 50.5645" E Dist 1,267.2286'

Curve Data *-----*

Curve 210

P.I. Station 1123+99.4377 N 1,947,709.4865 E 2,531,702.9140
 Delta = 26° 49' 04.2850" (LT)
 Degree = 2° 00' 26.8468"
 Tangent = 680.4237'
 Length = 1,335.9116'
 Radius = 2,854.1467'
 External = 79.9852'
 Long Chord = 1,323.7503'
 Mid. Ord. = 77.8047'
 P.C. Station 1117+19.0140 N 1,948,009.3925 E 2,531,092.1500
 P.T. Station 1130+54.9256 N 1,947,717.3864 E 2,532,383.2919
 C.C. N 1,950,571.3407 E 2,532,350.1544

Course from PT 210 to PC 220 N 89° 20' 05.1505" E Dist 3,068.4155'

Curve Data *-----*

Curve 220

P.I. Station 1166+11.1061 N 1,947,758.6747 E 2,535,939.2327
 Delta = 19° 11' 05.6000" (RT)
 Degree = 1° 59' 06.7013"
 Tangent = 487.7649'
 Length = 966.3983'
 Radius = 2,886.1540'
 External = 40.9264'
 Long Chord = 961.8900'
 Mid. Ord. = 40.3541'
 P.C. Station 1161+23.3412 N 1,947,753.0116 E 2,535,451.5006
 P.T. Station 1170+89.7395 N 1,947,603.7459 E 2,536,401.7386
 C.C. N 1,944,867.0521 E 2,535,485.0097

Course from PT 220 to PC 230 S 71° 28' 49.2495" E Dist 2,567.7940'

Curve Data *-----*

Curve 230

P.I. Station 1203+75.1633 N 1,946,560.1970 E 2,539,517.0259
 Delta = 21° 13' 59.1658" (RT)
 Degree = 1° 29' 47.6084"
 Tangent = 717.6298'
 Length = 1,418.7959'
 Radius = 3,828.5040'
 External = 66.6770'
 Long Chord = 1,410.6910'
 Mid. Ord. = 65.5357'
 P.C. Station 1196+57.5335 N 1,946,788.1377 E 2,538,836.5588
 P.T. Station 1210+76.3294 N 1,946,101.2900 E 2,540,068.7477
 C.C. N 1,943,157.8937 E 2,537,620.5114

Course from PT 230 to PC 240 S 50° 14' 50.0837" E Dist 601.0225'

Curve Data *-----*

Curve 240

P.I. Station 1224+80.0762 N 1,945,203.6277 E 2,541,147.9638
 Delta = 31° 21' 26.1789" (LT)
 Degree = 2° 00' 12.3693"
 Tangent = 802.7243'
 Length = 1,565.1747'
 Radius = 2,859.8758'
 External = 110.5208'
 Long Chord = 1,545.7141'
 Mid. Ord. = 106.4086'
 P.C. Station 1216+77.3519 N 1,945,716.9506 E 2,540,530.8204
 P.T. Station 1232+42.5265 N 1,945,086.4259 E 2,541,942.0860
 C.C. N 1,947,915.6549 E 2,542,359.6423

Course from PT 240 to PC 250 S 81° 36' 16.2626" E Dist 1,083.5021'

Curve Data *-----*

Curve 250

P.I. Station 1247+33.9232 N 1,944,868.6745 E 2,543,417.5006
 Delta = 31° 12' 36.3211" (LT)
 Degree = 3° 55' 23.6879"
 Tangent = 407.8945'
 Length = 795.5169'
 Radius = 1,460.4175'
 External = 55.8929'
 Long Chord = 785.7181'
 Mid. Ord. = 53.8326'
 P.C. Station 1243+26.0287 N 1,944,928.2291 E 2,543,013.9772
 P.T. Station 1251+21.5456 N 1,945,026.8358 E 2,543,793.4832
 C.C. N 1,946,372.9966 E 2,543,227.2055

Course from PT 250 to PC 260 N 67° 11' 07.4163" E Dist 153.3962'

Curve Data *-----*

Curve 260

P.I. Station 1257+94.3343 N 1,945,287.7100 E 2,544,413.6358
 Delta = 21° 21' 17.8533" (RT)
 Degree = 2° 04' 47.6281"
 Tangent = 519.3925'
 Length = 1,026.7317'
 Radius = 2,754.7416'
 External = 48.5368'
 Long Chord = 1,020.7991'
 Mid. Ord. = 47.6964'
 P.C. Station 1252+74.9418 N 1,945,086.3153 E 2,543,934.8784
 P.T. Station 1263+01.6735 N 1,945,300.9405 E 2,544,932.8598
 C.C. N 1,942,547.0927 E 2,545,003.0310

Course from PT 260 to PC 270 N 88° 32' 25.2697" E Dist 2,354.1909'

Curve Data *-----*

Curve 270

P.I. Station 1291+95.7945 N 1,945,374.6621 E 2,547,826.0417
 Delta = 21° 15' 41.7669" (LT)
 Degree = 1° 59' 30.5917"
 Tangent = 539.9302'
 Length = 1,067.4400'
 Radius = 2,876.5382'
 External = 50.2342'
 Long Chord = 1,061.3260'
 Mid. Ord. = 49.3720'
 P.C. Station 1286+55.8644 N 1,945,360.9085 E 2,547,286.2867
 P.T. Station 1297+23.3044 N 1,945,583.2092 E 2,548,324.0706
 C.C. N 1,948,236.5133 E 2,547,213.0130

Course from PT 270 to PC 280 N 67° 16' 43.5027" E Dist 403.3003'

Curve Data *-----*

Curve 280

P.I. Station 1306+70.3216 N 1,945,948.9928 E 2,549,197.5944
 Delta = 41° 12' 41.3829" (RT)
 Degree = 3° 57' 43.5721"
 Tangent = 543.7169'
 Length = 1,040.1418'
 Radius = 1,446.0950'
 External = 98.8383'
 Long Chord = 1,017.8645'
 Mid. Ord. = 92.5150'
 P.C. Station 1301+26.6047 N 1,945,738.9831 E 2,548,696.0727
 P.T. Station 1311+66.7465 N 1,945,776.5567 E 2,549,713.2434
 C.C. N 1,944,405.1125 E 2,549,254.6242

Course from PT 280 to PC 290 S 71° 30' 35.1144" E Dist 208.5255'

Curve Data *-----*

Curve 290

P.I. Station 1320+56.0201 N 1,945,494.5296 E 2,550,556.6106
 Delta = 20° 11' 41.8722" (LT)
 Degree = 1° 29' 55.8301"
 Tangent = 680.7480'
 Length = 1,347.3714'
 Radius = 3,822.6705'
 External = 60.1413'
 Long Chord = 1,340.4077'
 Mid. Ord. = 59.2098'
 P.C. Station 1313+75.2721 N 1,945,710.4242 E 2,549,911.0044
 P.T. Station 1327+22.6435 N 1,945,514.7809 E 2,551,237.0573
 C.C. N 1,949,335.7595 E 2,551,123.3384

Course from PT 290 to PC 310 N 88° 17' 43.0135" E Dist 15,454.8429'

Curve Data *-----*

Curve 310

P.I. Station 1485+68.2936 N 1,945,986.1662 E 2,567,075.6944
 Delta = 3° 42' 26.3552" (LT)
 Degree = 0° 28' 28.1328"
 Tangent = 390.8073'
 Length = 781.3418'
 Radius = 12,075.4550'
 External = 6.3223'
 Long Chord = 781.2055'
 Mid. Ord. = 6.3190'
 P.C. Station 1481+77.4863 N 1,945,974.5402 E 2,566,685.0601
 P.T. Station 1489+58.8281 N 1,946,023.0261 E 2,567,464.7595
 C.C. N 1,958,044.6508 E 2,566,325.8327

Course from PT 310 to PC 320 N 84° 35' 16.6582" E Dist 1,605.9004'

FILE NAME =	USER NAME = goff jl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwwork\pwwdot\goff jl\dms41990\d88708\hvc.dgn		DRAWN -	REVISED -			17	110T-4	OGLE	40	15	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64E32					
PLOT DATE = Tue Apr 14 14:52:45 2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					