

HORIZONTAL & VERTICAL CONTROL

Chain IL92 contains:
1263 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260 CUR 270 CUR 280 C-
UR 290 340 CUR 300 CUR 310 CUR 320 CUR 330

Beginning chain IL92 description
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Point 1263 N 1,738,253.6860 E 2,143,717.7880 Sta 1027+36.06

Course from 1263 to PC 200 65° 30' 54.04" Dist 181.1115'

Curve Data

Curve 200
P.I. Station 1032+46.49 N 1,738,465.2352 E 2,144,182.3128
Delta = 13° 14' 05.56" (RT)
Degree = 2° 01' 06.36"
Tangent = 329.3161'
Length = 655.7010'
Radius = 2,838.6282'
External = 19.0385'
Long Chord = 654.2442'
Mid. Ord. = 18.9117'
P.C. Station 1029+17.17 N 1,738,328.7485 E 2,143,882.6121
P.T. Station 1035+72.87 N 1,738,529.4822 E 2,144,505.3010
C.C. N 1,735,745.3986 E 2,145,059.0953

Course from PT 200 to PC 210 78° 44' 59.60" Dist 1,347.0705'

Curve Data

Curve 210
P.I. Station 1051+63.76 N 1,738,839.8520 E 2,146,065.6195
Delta = 14° 39' 37.01" (RT)
Degree = 3° 01' 22.52"
Tangent = 243.8170'
Length = 484.9707'
Radius = 1,895.3780'
External = 15.6177'
Long Chord = 483.6489'
Mid. Ord. = 15.4900'
P.C. Station 1049+19.94 N 1,738,792.2852 E 2,145,826.4875
P.T. Station 1054+04.91 N 1,738,825.3489 E 2,146,309.0048
C.C. N 1,736,933.3270 E 2,146,196.2610

Course from PT 210 to PC 220 93° 24' 36.61" Dist 1,863.7728'

Curve Data

Curve 220
P.I. Station 1080+91.84 N 1,738,665.5209 E 2,148,991.1734
Delta = 16° 22' 05.62" (LT)
Degree = 1° 00' 03.80"
Tangent = 823.1535'
Length = 1,635.0951'
Radius = 5,723.5306'
External = 58.8897'
Long Chord = 1,629.5406'
Mid. Ord. = 58.2899'
P.C. Station 1072+68.69 N 1,738,714.4850 E 2,148,169.4774
P.T. Station 1089+03.78 N 1,738,850.1030 E 2,149,793.3649
C.C. N 1,744,427.8809 E 2,148,509.9335

Course from PT 220 to PC 230 77° 02' 31.00" Dist 2,841.8663'

Curve Data

Curve 230
P.I. Station 1121+77.74 N 1,739,584.2486 E 2,152,983.9533
Delta = 8° 35' 03.57" (LT)
Degree = 0° 59' 42.72"
Tangent = 432.0952'
Length = 862.5733'
Radius = 5,757.2162'
External = 16.1922'
Long Chord = 861.7667'
Mid. Ord. = 16.1468'
P.C. Station 1117+45.65 N 1,739,487.3566 E 2,152,562.8616
P.T. Station 1126+08.22 N 1,739,742.9094 E 2,153,385.8650
C.C. N 1,745,097.9623 E 2,151,271.8766

Course from PT 230 to PC 240 68° 27' 27.43" Dist 536.0304'

Curve Data

Curve 240
P.I. Station 1133+93.13 N 1,740,031.1179 E 2,154,115.9408
Delta = 8° 01' 59.09" (RT)
Degree = 1° 36' 59.53"
Tangent = 248.8739'
Length = 496.9322'
Radius = 3,544.3581'
External = 8.7268'
Long Chord = 496.5253'
Mid. Ord. = 8.7054'
P.C. Station 1131+44.25 N 1,739,939.7340 E 2,153,884.4517
P.T. Station 1136+41.18 N 1,740,089.2556 E 2,154,357.9288
C.C. N 1,736,642.9627 E 2,155,185.9022

Course from PT 240 to PC 250 76° 29' 26.52" Dist 1,216.6225'

Curve Data

Curve 250
P.I. Station 1154+13.71 N 1,740,503.3231 E 2,156,081.4118
Delta = 11° 16' 45.03" (RT)
Degree = 1° 01' 04.01"
Tangent = 555.9027'
Length = 1,108.2125'
Radius = 5,629.4809'
External = 27.3807'
Long Chord = 1,106.4239'
Mid. Ord. = 27.2482'
P.C. Station 1148+57.81 N 1,740,373.4625 E 2,155,540.8898
P.T. Station 1159+66.02 N 1,740,524.9551 E 2,156,636.8934
C.C. N 1,734,899.7380 E 2,156,855.9545

Course from PT 250 to PC 260 87° 46' 11.55" Dist 941.5830'

Curve Data

Curve 260
P.I. Station 1173+15.13 N 1,740,577.4535 E 2,157,984.9871
Delta = 8° 14' 15.44" (RT)
Degree = 1° 00' 44.69"
Tangent = 407.5325'
Length = 813.6605'
Radius = 5,659.3162'
External = 14.6544'
Long Chord = 812.9599'
Mid. Ord. = 14.6166'
P.C. Station 1169+07.60 N 1,740,561.5951 E 2,157,577.7633
P.T. Station 1177+21.26 N 1,740,534.8017 E 2,158,390.2815
C.C. N 1,734,906.5653 E 2,157,797.9853

Course from PT 260 to PC 270 96° 00' 26.99" Dist 378.2472'

Curve Data

Curve 270
P.I. Station 1184+73.38 N 1,740,456.0864 E 2,159,138.2656
Delta = 4° 54' 36.84" (LT)
Degree = 0° 39' 25.50"
Tangent = 373.8674'
Length = 747.2771'
Radius = 8,719.7127'
External = 8.0113'
Long Chord = 747.0484'
Mid. Ord. = 8.0040'
P.C. Station 1180+99.51 N 1,740,495.2148 E 2,158,766.4514
P.T. Station 1188+46.79 N 1,740,448.9270 E 2,159,512.0644
C.C. N 1,749,167.0407 E 2,159,679.0444

Course from PT 270 to PC 280 91° 05' 50.15" Dist 5,836.4962'

Curve Data

Curve 280
P.I. Station 1251+74.63 N 1,740,327.7505 E 2,165,838.7508
Delta = 0° 52' 23.89" (RT)
Degree = 0° 05' 19.93"
Tangent = 491.3505'
Length = 982.6819'
Radius = 64,471.8638'
External = 1.8723'
Long Chord = 982.6724'
Mid. Ord. = 1.8722'
P.C. Station 1246+83.28 N 1,740,337.1597 E 2,165,347.4904
P.T. Station 1256+65.96 N 1,740,310.8549 E 2,166,329.8107
C.C. N 1,675,877.1183 E 2,164,112.8728

Course from PT 280 to PC 290 91° 58' 14.05" Dist 2,897.1180'

Curve Data

Curve 290
P.I. Station 1292+50.29 N 1,740,187.6037 E 2,169,912.0191
Delta = 0° 43' 01.96" (LT)
Degree = 0° 03' 07.86"
Tangent = 687.2101'
Length = 1,374.4022'
Radius = 109,796.6432'
External = 2.1506'
Long Chord = 1,374.3932'
Mid. Ord. = 2.1505'
P.C. Station 1285+63.08 N 1,740,211.2342 E 2,169,225.2154
P.T. Station 1299+37.49 N 1,740,172.5720 E 2,170,599.0647
C.C. N 1,849,942.9461 E 2,173,000.6970

Course from PT 290 to PC 300 91° 15' 12.08" Dist 1,550.7077'

Point 340 N 1,740,138.6527 E 2,172,149.4014 Sta 1314+88.19

Course from 340 to PC 300 1° 02' 25.97" Dist 2,906.6227'

Curve Data

Curve 300
P.I. Station 1356+86.21 N 1,744,335.9743 E 2,172,225.6373
Delta = 25° 25' 06.20" (RT)
Degree = 1° 00' 02.21"
Tangent = 1,291.3911'
Length = 2,540.2825'
Radius = 5,726.0699'
External = 143.8166'
Long Chord = 2,519.5022'
Mid. Ord. = 140.2930'
P.C. Station 1343+94.82 N 1,743,044.7961 E 2,172,202.1856
P.T. Station 1369+35.10 N 1,745,492.0972 E 2,172,801.0247
C.C. N 1,742,940.8107 E 2,177,927.3113

Course from PT 300 to PC 310 26° 27' 32.17" Dist 10,982.9456'

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pindot\hensonke\dms31385\d007hvc.dgn		DRAWN -	REVISED -			599	(42MFT)-1	ROCK ISLAND	26	10	
PLOT SCALE = 2500.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64C76					
PLOT DATE = Thu Oct 09 07:39:32 2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: SHEET NO. OF SHEETS STA. TO STA.							