

HORIZONTAL & VERTICAL CONTROL

Course from PT 350 to PC 360 121° 19' 25.1342" Dist 1,861.7681'

Curve Data

Curve 360
Feature: 111
P.I. Station 984+47.4307 N 1,878,856.2393 E 2,343,393.2018
Delta = 0° 41' 46.0934" (RT)
Degree = 0° 04' 43.2957"
Tangent = 442.3160'
Length = 884.6211'
Radius = 72,809.0223'
External = 1.3435'
Long Chord = 884.6157'
Mid. Ord. = 1.3435'
P.C. Station 980+05.1147 N 1,879,086.1869 E 2,343,015.3559
P.T. Station 988+89.7358 N 1,878,621.7181 E 2,343,768.2261
C.C. N 1,816,889.4925 E 2,305,164.0029

Course from PT 360 to PC 01800200 122° 01' 11.2276" Dist 3,180.6561'

Curve Data

Curve 01800200
Feature: 111
P.I. Station 1026+28.5634 N 1,876,639.3465 E 2,346,938.2473
Delta = 32° 08' 42.2335" (RT)
Degree = 2° 57' 26.9385"
Tangent = 558.1715'
Length = 1,086.9062'
Radius = 1,937.3157'
External = 78.8062'
Long Chord = 1,072.7073'
Mid. Ord. = 75.7258'
P.C. Station 1020+70.3919 N 1,876,935.2958 E 2,346,464.9933
P.T. Station 1031+57.2981 N 1,876,136.9634 E 2,347,181.4891
C.C. N 1,875,292.7135 E 2,345,437.8051

Course from PT 01800200 to PC 01800210 154° 09' 53.4611" Dist 298.0943'

Curve Data

Curve 01800210
Feature: 111
P.I. Station 1035+48.9395 N 1,875,784.4660 E 2,347,352.1599
Delta = 6° 47' 54.7018" (LT)
Degree = 3° 38' 16.8567"
Tangent = 93.5471'
Length = 186.8746'
Radius = 1,574.9184'
External = 2.7758'
Long Chord = 186.7650'
Mid. Ord. = 2.7709'
P.C. Station 1034+55.3924 N 1,875,868.6632 E 2,347,311.3937
P.T. Station 1036+42.2670 N 1,875,705.6866 E 2,347,402.6067
C.C. N 1,876,554.9864 E 2,348,728.9015

Course from PT 01800210 to PC 01800220 147° 21' 58.7593" Dist 240.8917'

Curve Data

Curve 01800220
Feature: 111
P.I. Station 1040+61.8787 N 1,875,352.3167 E 2,347,628.8890
Delta = 5° 54' 27.2383" (LT)
Degree = 1° 39' 15.1527"
Tangent = 178.7200'
Length = 357.1233'
Radius = 3,463.6359'
External = 4.6078'
Long Chord = 356.9651'
Mid. Ord. = 4.6017'
P.C. Station 1038+83.1587 N 1,875,502.8232 E 2,347,532.5114
P.T. Station 1042+40.2820 N 1,875,212.5291 E 2,347,740.2454
C.C. N 1,877,370.6438 E 2,350,449.3623

Course from PT 01800220 to PC 01800230 141° 27' 31.5210" Dist 560.0851'

Curve Data

Curve 01800230
Feature: 111
P.I. Station 1048+95.2823 N 1,874,700.2142 E 2,348,148.3616
Delta = 21° 51' 40.9566" (LT)
Degree = 11° 39' 28.9586"
Tangent = 94.9152'
Length = 187.5218'
Radius = 491.4699'
External = 9.0814'
Long Chord = 186.3864'
Mid. Ord. = 8.9166'
P.C. Station 1048+00.3671 N 1,874,774.4530 E 2,348,089.2220
P.T. Station 1049+87.8889 N 1,874,653.3353 E 2,348,230.8920
C.C. N 1,875,080.6770 E 2,348,473.6301

Course from PT 01800230 to A018240 119° 35' 50.5644" Dist 700.4148'

Point A018240 N 1,874,307.3990 E 2,348,839.9150 Sta 1056+88.3037

Course from A018240 to A018250 113° 04' 45.4789" Dist 287.7746'

Point A018250 N 1,874,194.5900 E 2,349,104.6570 Sta 1059+76.0783

Course from A018250 to A018380 111° 31' 40.1283" Dist 812.8756'

Point A018380 N 1,873,896.3030 E 2,349,860.8260 Sta 1067+88.9539

Course from A018380 to PC 01800260 113° 35' 57.3543" Dist 543.6410'

Curve Data

Curve 01800260
Feature: 111
P.I. Station 1074+24.7766 N 1,873,641.7594 E 2,350,443.4736
Delta = 13° 09' 04.8671" (RT)
Degree = 7° 09' 53.5067"
Tangent = 92.1818'
Length = 183.5534'
Radius = 799.6773'
External = 5.2955'
Long Chord = 183.1508'
Mid. Ord. = 5.2607'
P.C. Station 1073+32.5949 N 1,873,678.6632 E 2,350,359.0011
P.T. Station 1075+16.1483 N 1,873,586.6040 E 2,350,517.3340
C.C. N 1,872,945.8647 E 2,350,038.8605

Curve Data

Curve 01800270
Feature: 111
P.I. Station 1076+10.2886 N 1,873,530.2767 E 2,350,592.7636
Delta = 13° 01' 27.4765" (LT)
Degree = 6° 56' 50.7765"
Tangent = 94.1403'
Length = 187.4691'
Radius = 824.7037'
External = 5.3557'
Long Chord = 187.0657'
Mid. Ord. = 5.3211'
P.C. Station 1075+16.1483 N 1,873,586.6040 E 2,350,517.3340
P.T. Station 1077+03.6174 N 1,873,492.3977 E 2,350,678.9470
C.C. N 1,874,247.3957 E 2,351,010.7816

Course from PT 01800270 to PC 01800280 113° 43' 34.7448" Dist 1,691.1400'

Curve Data

Curve 01800280
Feature: 111
P.I. Station 1094+18.1974 N 1,872,802.5050 E 2,352,248.6070
Delta = 9° 26' 00.9630" (LT)
Degree = 20° 10' 06.4240"
Tangent = 23.4400'
Length = 46.7740'
Radius = 284.0862'
External = 0.9654'
Long Chord = 46.7212'
Mid. Ord. = 0.9621'
P.C. Station 1093+94.7574 N 1,872,811.9365 E 2,352,227.1482
P.T. Station 1094+41.5314 N 1,872,796.7182 E 2,352,271.3215
C.C. N 1,873,072.0111 E 2,352,341.4555

Course from PT 01800280 to A018290 104° 17' 33.7818" Dist 1,404.2615'

Point A018290 N 1,872,450.0400 E 2,353,632.1170 Sta 1108+45.7929

Course from A018290 to A018300 104° 36' 47.9168" Dist 703.6548'

Point A018300 N 1,872,272.5120 E 2,354,313.0090 Sta 1115+49.4477

Course from A018300 to PC 01800310 104° 23' 41.7310" Dist 771.0512'

Curve Data

Curve 01800310
Feature: 111
P.I. Station 1127+20.4989 N 1,871,981.3839 E 2,355,447.2953
Delta = 1° 03' 02.2896" (LT)
Degree = 0° 07' 52.7995"
Tangent = 400.0000'
Length = 799.9776'
Radius = 43,626.2787'
External = 1.8337'
Long Chord = 799.9664'
Mid. Ord. = 1.8336'
P.C. Station 1123+20.4989 N 1,872,080.8255 E 2,355,059.8532
P.T. Station 1131+20.4765 N 1,871,889.0631 E 2,355,836.4956
C.C. N 1,914,337.4652 E 2,365,905.5249

Course from PT 01800310 to PC 01800320 103° 20' 39.4414" Dist 53.4609'

Curve Data

Curve 01800320
Feature: 111
P.I. Station 1135+73.9374 N 1,871,784.4034 E 2,356,277.7134
Delta = 0° 28' 00.7836" (RT)
Degree = 0° 03' 30.0991"
Tangent = 400.0000'
Length = 799.9956'
Radius = 98,174.9998'
External = 0.8149'
Long Chord = 799.9934'
Mid. Ord. = 0.8149'
P.C. Station 1131+73.9374 N 1,871,876.7242 E 2,355,888.5131
P.T. Station 1139+73.9330 N 1,871,688.9143 E 2,356,666.1485
C.C. N 1,776,352.3752 E 2,333,229.5337

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.	
ca:\pwwork\pwwork\HENSONKE\11128026\11128026.dwg	11128026.dwg	DRAWN -	REVISED -			309	(20-11M)	WHITESIDE	53	16	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 64F37					
PLOT DATE = Tue Dec 01 11:54:34 2009	DATE -	REVISED -				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.