

HORIZONTAL & VERTICAL CONTROL

Course from PT 1400 to PC 1410 97° 57' 06.7853" Dist 1,318.2857'

Curve Data

Curve 1410
Feature: 111
P.I. Station 106+72.7442 N 1,891,833.5488 E 2,305,368.5188
Delta = 0° 31' 40.4870" (RT)
Degree = 0° 03' 00.0000"
Tangent = 527.9168'
Length = 1,055.8261'
Radius = 114,591.5590'
External = 1.2160'
Long Chord = 1,055.8224'
Mid. Ord. = 1.2160'
P.C. Station 101+44.8274 N 1,891,906.5816 E 2,304,845.6782
P.T. Station 112+00.6535 N 1,891,755.7018 E 2,305,890.6644
C.C. N 1,778,416.8671 E 2,288,992.9150

Course from PT 1410 to PC 1420 98° 28' 47.2724" Dist 2,893.4400'

Curve Data

Curve 1420
Feature: 111
P.I. Station 145+25.2092 N 1,891,265.4606 E 2,309,178.8758
Delta = 1° 04' 39.9270" (LT)
Degree = 0° 07' 30.0000"
Tangent = 431.1157'
Length = 862.2060'
Radius = 45,836.6236'
External = 2.0274'
Long Chord = 862.1933'
Mid. Ord. = 2.0273'
P.C. Station 140+94.0935 N 1,891,329.0332 E 2,308,752.4731
P.T. Station 149+56.2995 N 1,891,209.9195 E 2,309,606.3988
C.C. N 1,936,664.5671 E 2,315,511.5728

Course from PT 1420 to PC 1430 97° 24' 07.3454" Dist 1,392.3629'

Curve Data

Curve 1430
Feature: 111
P.I. Station 164+93.3471 N 1,891,011.9003 E 2,311,130.6375
Delta = 1° 12' 20.3810" (LT)
Degree = 0° 25' 00.0000"
Tangent = 144.6847'
Length = 289.3587'
Radius = 13,750.9871'
External = 0.7611'
Long Chord = 289.3534'
Mid. Ord. = 0.7611'
P.C. Station 163+48.6624 N 1,891,030.5402 E 2,310,987.1585
P.T. Station 166+38.0211 N 1,890,996.2835 E 2,311,274.4770
C.C. N 1,904,666.9344 E 2,312,758.7107

Course from PT 1430 to PC 1360 96° 11' 46.9645" Dist 69.9956'

Curve Data

Curve 1360
Feature: 111
P.I. Station 168+55.9551 N 1,890,972.7605 E 2,311,491.1378
Delta = 60° 48' 22.6576" (RT)
Degree = 22° 43' 31.0974"
Tangent = 147.9385'
Length = 267.5709'
Radius = 252.1233'
External = 40.1984'
Long Chord = 255.1897'
Mid. Ord. = 34.6705'
P.C. Station 167+08.0167 N 1,890,988.7285 E 2,311,344.0636
P.T. Station 169+75.5876 N 1,890,836.5797 E 2,311,548.9356
C.C. N 1,890,738.0782 E 2,311,316.8503

Ending chain NEW136 description

Chain NEW136 contains:
1370 CUR 1380 CUR 1390 CUR 1400 CUR 1410 CUR 1420 CUR 1430 CUR 1360

Beginning chain NEW136 description
Feature: 111

Point 1370 N 1,893,214.7160 E 2,294,903.8849 Sta 0+00.0000

Course from 1370 to PC 1380 101° 42' 33.6683" Dist 1,663.4004'

Curve Data

Curve 1380
Feature: 111
P.I. Station 17+47.8893 N 1,892,859.9869 E 2,296,615.4001
Delta = 12° 05' 36.4882" (LT)
Degree = 7° 11' 00.6998"
Tangent = 84.4889'
Length = 168.3500'
Radius = 797.5995'
External = 4.4624'
Long Chord = 168.0377'
Mid. Ord. = 4.4376'
P.C. Station 16+63.4004 N 1,892,877.1337 E 2,296,532.6694
P.T. Station 18+31.7504 N 1,892,860.5533 E 2,296,699.8871
C.C. N 1,893,658.1349 E 2,296,694.5399

Course from PT 1380 to PC 1390 89° 36' 57.1801" Dist 4,414.1947'

Curve Data

Curve 1390
Feature: 111
P.I. Station 67+95.6903 N 1,892,893.8318 E 2,301,663.7154
Delta = 26° 58' 39.1961" (RT)
Degree = 2° 30' 00.0000"
Tangent = 549.7452'
Length = 1,079.1022'
Radius = 2,291.8312'
External = 65.0120'
Long Chord = 1,069.1617'
Mid. Ord. = 63.2187'
P.C. Station 62+45.9451 N 1,892,890.1463 E 2,301,113.9826
P.T. Station 73+25.0473 N 1,892,647.7347 E 2,302,155.3007
C.C. N 1,890,598.3666 E 2,301,129.3471

Course from PT 1390 to PC 1400 116° 35' 36.3762" Dist 755.8323'

Curve Data

Curve 1400
Feature: 111
P.I. Station 84+57.0347 N 1,892,140.9930 E 2,303,167.5300
Delta = 18° 38' 29.5908" (LT)
Degree = 2° 30' 00.0000"
Tangent = 376.1551'
Length = 745.6621'
Radius = 2,291.8312'
External = 30.6638'
Long Chord = 742.3776'
Mid. Ord. = 30.2589'
P.C. Station 80+80.8796 N 1,892,309.3813 E 2,302,831.1700
P.T. Station 88+26.5417 N 1,892,088.9551 E 2,303,540.0683
C.C. N 1,894,358.7494 E 2,303,857.1236

Chain PFROGPOND contains:
70200 CUR 70210 70201

Beginning chain PFROGPOND description
Feature: 111

Point 70200 N 1,890,836.5797 E 2,311,548.9356 Sta 300+00.0000

Course from 70200 to PC 70210 161° 11' 52.0747" Dist 21.8927'

Curve Data

Curve 70210
Feature: 111
P.I. Station 300+60.6489 N 1,890,779.1673 E 2,311,568.4828
Delta = 17° 47' 17.1266" (RT)
Degree = 23° 08' 05.4745"
Tangent = 38.7562'
Length = 76.8887'
Radius = 247.6600'
External = 3.0141'
Long Chord = 76.5803'
Mid. Ord. = 2.9779'
P.C. Station 300+21.8927 N 1,890,815.8553 E 2,311,555.9917
P.T. Station 300+98.7814 N 1,890,740.4172 E 2,311,569.1688
C.C. N 1,890,736.0339 E 2,311,321.5476

Course from PT 70210 to 70201 178° 59' 09.2012" Dist 92.6874'

Point 70201 N 1,890,647.7443 E 2,311,570.8092 Sta 301+91.4688

Ending chain PFROGPOND description

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\ppl_work\PWIDOT\HENSONKE\j0128026\0261708-sh1-ATB.dgn		DRAWN -	REVISED -			309	(20-1M)	WHITESIDE	53	14	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64F37					
PLOT DATE = Tue Dec 01 11:54:33 2009		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.