

PROPOSED HORIZONTAL CONTROL

Curve 72320

P.I. Station 1006+13.41 N 1,985,498.2374 E 736,359.9072
 Delta = 13° 30' 48.10" (RT)
 Degree = 1° 54' 35.49"
 Tangent = 355.4281'
 Length = 707.5579'
 Radius = 3,000.0000'
 External = 20.9815'
 Long Chord = 705.9190'
 Mid. Ord. = 20.8358'
 P.C. Station 1002+57.98 N 1,985,192.0060 E 736,179.4871
 P.T. Station 1009+65.54 N 1,985,753.8318 E 736,606.8903
 C.C. N 1,983,669.1650 E 738,764.2415

Course from PT 72320 to PC 72330 44° 01' 06.12" Dist 1,807.2375'

Curve Data

Curve 72330

P.I. Station 1037+32.46 N 1,987,743.5678 E 738,529.5891
 Delta = 9° 08' 41.23" (LT)
 Degree = 0° 28' 38.87"
 Tangent = 959.6777'
 Length = 1,915.2792'
 Radius = 12,000.0000'
 External = 38.3131'
 Long Chord = 1,913.2470'
 Mid. Ord. = 38.1911'
 P.C. Station 1027+72.78 N 1,987,053.4472 E 737,862.7196
 P.T. Station 1046+88.06 N 1,988,530.9024 E 739,078.3018
 C.C. N 1,995,392.1143 E 729,233.3147

Curve Data

Curve 72340

P.I. Station 1049+21.81 N 1,988,722.6801 E 739,211.9563
 Delta = 2° 13' 54.94" (RT)
 Degree = 0° 28' 38.87"
 Tangent = 233.7567'
 Length = 467.4543'
 Radius = 12,000.0183'
 External = 2.2765'
 Long Chord = 467.4247'
 Mid. Ord. = 2.2761'
 P.C. Station 1046+88.06 N 1,988,530.9024 E 739,078.3018
 P.T. Station 1051+55.51 N 1,988,909.1071 E 739,352.9781
 C.C. N 1,981,669.6800 E 748,923.3039

Course from PT 72340 to PC 71280 37° 06' 19.83" Dist 240.4951'

Curve Data

Curve 71280

P.I. Station 1061+00.26 N 1,989,662.5697 E 739,922.9313
 Delta = 57° 53' 50.72" (RT)
 Degree = 4° 30' 00.55"
 Tangent = 704.2549'
 Length = 1,286.5654'
 Radius = 1,273.1960'
 External = 181.7964'
 Long Chord = 1,232.5212'
 Mid. Ord. = 159.0816'
 P.C. Station 1053+96.01 N 1,989,100.9082 E 739,498.0651
 P.T. Station 1066+82.57 N 1,989,601.1540 E 740,624.5032
 C.C. N 1,988,332.8086 E 740,513.4720

Course from PT 71280 to PC 71290 95° 00' 10.55" Dist 2,536.2377'

Curve Data

Curve 71290

P.I. Station 1096+11.73 N 1,989,345.7122 E 743,542.4970
 Delta = 7° 19' 27.93" (LT)
 Degree = 0° 56' 00.00"
 Tangent = 392.9154'
 Length = 784.7604'
 Radius = 6,138.8370'
 External = 12.5614'
 Long Chord = 784.2262'
 Mid. Ord. = 12.5357'
 P.C. Station 1092+18.81 N 1,989,379.9770 E 743,151.0785
 P.T. Station 1100+03.57 N 1,989,361.6279 E 743,935.0899
 C.C. N 1,995,495.4265 E 743,686.4262

Course from PT 71290 to 70005 87° 40' 42.62" Dist 1,113.8202'

Point 70005 N 1,989,406.7450 E 745,047.9960 Sta 1111+17.39

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Ending chain PRIL2E description

CAMLING ROAD

Chain PCAMLING contains:
 70017 CUR 72290 71400

Beginning chain PCAMLING description

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Point 70017 N 1,979,236.81 E 726,334.99 Sta 77+13.47

Course from 70017 to PC 72290 N 88° 48' 15.35" E Dist 2,031.15'

Curve Data

Curve 72290

P.I. Station 97+95.20 N 1,979,280.26 E 728,416.26
 Delta = 16° 26' 40.70" (RT)
 Degree = 16° 22' 12.80"
 Tangent = 50.57'
 Length = 100.45'
 Radius = 350.00'
 External = 3.64'
 Long Chord = 100.11'
 Mid. Ord. = 3.60'
 P.C. Station 97+44.63 N 1,979,279.20 E 728,365.70
 P.T. Station 98+45.08 N 1,979,266.95 E 728,465.06
 C.C. N 1,978,929.28 E 728,373.00

Course from PT 72290 to 71400 S 74° 45' 03.96" E Dist 154.92'

Point 71400 N 1,979,226.21 E 728,614.52 Sta 100+00.00

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Ending chain PCAMLING description

DEER PATH ROAD

Chain PDEERPTH contains:
 70020 CUR 72260 CUR 72270 71520

Beginning chain PDEERPTH description

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Point 70020 N 1,983,511.12 E 732,862.59 Sta 122+04.90

Course from 70020 to PC 72260 S 65° 15' 32.70" E Dist 180.52'

Curve Data

Curve 72260

P.I. Station 125+57.53 N 1,983,363.54 E 733,182.85
 Delta = 55° 58' 17.79" (RT)
 Degree = 17° 41' 26.94"
 Tangent = 172.10'
 Length = 316.39'
 Radius = 323.87'
 External = 42.89'
 Long Chord = 303.96'
 Mid. Ord. = 37.87'
 P.C. Station 123+85.42 N 1,983,435.56 E 733,026.54
 P.T. Station 127+01.81 N 1,983,193.69 E 733,210.62
 C.C. N 1,983,141.42 E 732,890.99

Course from PT 72260 to PC 72270 S 9° 17' 14.91" E Dist 158.21'

Curve Data

Curve 72270

P.I. Station 129+08.01 N 1,982,990.19 E 733,243.90
 Delta = 30° 55' 44.41" (LT)
 Degree = 33° 01' 46.55"
 Tangent = 47.99'
 Length = 93.64'
 Radius = 173.47'
 External = 6.52'
 Long Chord = 92.51'
 Mid. Ord. = 6.28'
 P.C. Station 128+60.02 N 1,983,037.55 E 733,236.16
 P.T. Station 129+53.66 N 1,982,953.54 E 733,274.89
 C.C. N 1,983,065.55 E 733,407.35

Course from PT 72270 to 71520 S 40° 12' 59.33" E Dist 46.34'

Point 71520 N 1,982,918.16 E 733,304.81 Sta 130+00.00

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Ending chain PDEERPTH description

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw_work\VPWIDOT\GRANTPM\dms31213\086608hvc.dgn		DRAWN -	REVISED -			742	37R-4	OGLE	867	83	
		CHECKED -	REVISED -			CONTRACT NO. 64E17					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.
		PLOT SCALE = 30,0000' / IN.									
		PLOT DATE = Tue Mar 30 11:44:30 2010									