

HORIZONTAL & VERTICAL CONTROL

MUD CREEK ROAD

Curve Data

Curve 430

P.I. Station 976+06.94 N 1,983,710.86 E 734,154.66
 Delta = 32° 45' 01.52" (RT)
 Degree = 5° 40' 00.00"
 Tangent = 297.11'
 Length = 577.95'
 Radius = 1,011.10'
 External = 42.75'
 Long Chord = 570.11'
 Mid. Ord. = 41.01'
 P.C. Station 973+09.83 N 1,983,508.21 E 733,937.40
 P.T. Station 978+87.78 N 1,983,763.76 E 734,447.02
 C.C. N 1,982,768.82 E 734,627.06

Course from PT 430 to PC 440 N 79° 44' 36.41" E Dist 400.67'

Curve Data

Curve 440

P.I. Station 985+78.38 N 1,983,886.73 E 735,126.59
 Delta = 32° 00' 00.00" (LT)
 Degree = 5° 40' 00.00"
 Tangent = 289.93'
 Length = 564.71'
 Radius = 1,011.10'
 External = 40.75'
 Long Chord = 557.39'
 Mid. Ord. = 39.17'
 P.C. Station 982+88.45 N 1,983,835.10 E 734,841.30
 P.T. Station 988+53.16 N 1,984,081.69 E 735,341.18
 C.C. N 1,984,830.05 E 734,661.26

Course from PT 440 to PC 450 N 47° 44' 36.41" E Dist 0.43'

Curve Data

Curve 450

P.I. Station 998+00.39 N 1,984,718.66 E 736,042.26
 Delta = 25° 49' 25.73" (LT)
 Degree = 1° 23' 14.31"
 Tangent = 946.80'
 Length = 1,861.43'
 Radius = 4,130.00'
 External = 107.14'
 Long Chord = 1,845.72'
 Mid. Ord. = 104.43'
 P.C. Station 988+53.59 N 1,984,081.98 E 735,341.50
 P.T. Station 1007+15.02 N 1,985,597.01 E 736,395.71
 C.C. N 1,987,138.76 E 732,564.27

Course from PT 450 to PC 460 N 21° 55' 10.69" E Dist 318.73'

Curve Data

Curve 460

P.I. Station 1013+44.73 N 1,986,181.20 E 736,630.78
 Delta = 30° 22' 00.73" (RT)
 Degree = 4° 59' 59.99"
 Tangent = 310.98'
 Length = 607.34'
 Radius = 1,145.92'
 External = 41.45'
 Long Chord = 600.25'
 Mid. Ord. = 40.00'
 P.C. Station 1010+33.75 N 1,985,892.70 E 736,514.69
 P.T. Station 1016+41.09 N 1,986,371.43 E 736,876.80
 C.C. N 1,985,464.92 E 737,577.77

Course from PT 460 to PC 470 N 52° 17' 11.42" E Dist 1,265.22'

Curve Data

Curve 470

P.I. Station 1032+77.89 N 1,987,372.68 E 738,171.63
 Delta = 14° 46' 50.59" (LT)
 Degree = 2° 00' 00.00"
 Tangent = 371.58'
 Length = 739.04'
 Radius = 2,864.79'
 External = 24.00'
 Long Chord = 736.99'
 Mid. Ord. = 23.80'
 P.C. Station 1029+06.31 N 1,987,145.38 E 737,877.68
 P.T. Station 1036+45.34 N 1,987,667.45 E 738,397.87
 C.C. N 1,989,411.66 E 736,125.25

Course from PT 470 to PC 480 N 37° 30' 20.83" E Dist 1,815.89'

Curve Data

Curve 480

P.I. Station 1061+59.69 N 1,989,662.06 E 739,928.71
 Delta = 57° 29' 49.76" (RT)
 Degree = 4° 30' 00.55"
 Tangent = 698.46'
 Length = 1,277.67'
 Radius = 1,273.20'
 External = 179.00'
 Long Chord = 1,224.73'
 Mid. Ord. = 156.94'
 P.C. Station 1054+61.23 N 1,989,107.98 E 739,503.46
 P.T. Station 1067+38.90 N 1,989,601.15 E 740,624.50
 C.C. N 1,988,332.81 E 740,513.47

Course from PT 480 to PC 490 S 84° 59' 49.40" E Dist 2,536.24'

Curve Data

Curve 490

P.I. Station 1096+68.06 N 1,989,345.71 E 743,542.50
 Delta = 7° 19' 28.01" (LT)
 Degree = 0° 56' 00.00"
 Tangent = 392.92'
 Length = 784.76'
 Radius = 6,138.84'
 External = 12.56'
 Long Chord = 784.23'
 Mid. Ord. = 12.54'
 P.C. Station 1092+75.14 N 1,989,379.98 E 743,151.08
 P.T. Station 1100+59.90 N 1,989,361.63 E 743,935.09
 C.C. N 1,995,495.43 E 743,686.43

Course from PT 490 to 114 N 87° 40' 42.59" E Dist 1,113.82'

Point 114 N 1,989,406.74 E 745,048.00 Sta 1111+73.72

Ending chain EXIL2 description

Chain EMUDCR contains:
1000 CUR 55000 1001

Beginning chain EMUDCR description

Point 1000 N 1,963,092.97 E 721,793.43 Sta 3+35.36

Course from 1000 to PC 55000 N 73° 27' 01.25" E Dist 300.00'

Curve Data

Curve 55000

P.I. Station 7+84.41 N 1,963,220.88 E 722,223.88
 Delta = 20° 38' 28.14" (RT)
 Degree = 7° 00' 00.03"
 Tangent = 149.05'
 Length = 294.87'
 Radius = 818.51'
 External = 13.46'
 Long Chord = 293.28'
 Mid. Ord. = 13.24'
 P.C. Station 6+35.36 N 1,963,178.43 E 722,081.01
 P.T. Station 9+30.23 N 1,963,210.25 E 722,372.56
 C.C. N 1,962,393.82 E 722,314.16

Course from PT 55000 to 1001 S 85° 54' 30.60" E Dist 69.77'

Point 1001 N 1,963,205.27 E 722,442.14 Sta 10+00.00

Ending chain EMUDCR description

INDIAN COVE DRIVE

Chain PINDCOVE contains:
71440 70015

Beginning chain PINDCOVE description

Point 71440 N 1,965,804.99 E 723,728.58 Sta 80+00.00

Course from 71440 to 70015 S 53° 38' 35.11" E Dist 299.38'

Point 70015 N 1,965,627.51 E 723,969.69 Sta 82+99.38

Ending chain PINDCOVE 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.
ca:\pwork\VPIDOT\GRANTPM\dms31213\06628hvc.dgn		DRAWN -	REVISED -			742	37R-4	OGLE	867	79
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64E17				
PLOT DATE = Tue Mar 30 11:44:27 2010		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.