



BORING LOG

Johnson BF 0248(4)
VT 100C Bridge 2 Improvements
Johnson, VT

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 13c066
Checked By: CWS

Boring Crew: G. Leavitt, K. Owens
Date Started: 8/11/14 Date Finished: 8/11/14
VTSPG NAD83: N 780148.21 ft E 1598830.66 ft
Station: 16+69.00 Offset: 6L
Ground Elevation: 581.0 ft

Type: FJC Casing SS Sampler
I.D.: 4 in 1.38 in
Hammer Wt: 300 lb. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Manual/NW
Rig: SS 15 TRUCKS <<SUB>><<SUB>> = 0.85

Groundwater Observations

Date	Depth (ft)	Notes
08/11/14	5.0	During Drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.7		Asphalt Pavement, 0.0 ft - 0.7 ft								
0.7 - 1.0	x x x	Subbase, 0.7 ft - 1.0 ft				26-24-19-17 (43)				
	x x x	(FILL), f.c. SAND, little f.c. gravel, trace silt, dense, brown, Moist, Rec. = 1.1 ft				18-25-25-20 (50)				
	x x x	(FILL), f.c. GRAVEL, Some f.c. Sand, little silt, dense, brown, Moist, Rec. = 0.6 ft				10-6-7-5 (13)				
5	o o o	A-2-4, f.c. SAND, Some Silt, medium dense, gray, Wet, Rec. = 0.5 ft, Mild organic odor				2-1-1-1 (2)	24.3	0.2	74.3	25.4
	o o o	A-2-4, f.c. SAND, Some Silt, very loose, brown, Wet, Rec. = 1.6 ft, Mild organic odor				7-7-7-7 (R)				
10		A-2-4, becomes very dense, Rec. = 0.4 ft								
9.5 - 10.0		9.5 ft - 10.0 ft	R-1	98 (87)	0.16					
10.0 - 15.0		10.0 ft - 15.0 ft, Gray, Phyllite, quartz seams, close fracture spacing. Hard, Slightly weathered, Good rock, NXDC, 3" highly weathered seam 10.5'-10.8'								
15		15.0 ft - 20.0 ft, Gray, Phyllite, quartz seams, close fracture spacing. Hard, Slightly weathered, Good rock, NXDC, 1" highly weathered seam 15.9'-16.4'	R-2	96 (82)	0.18					
20		20.0 ft - 25.0 ft, Gray, Phyllite, quartz seams, medium close fracture spacing. Hard, Slightly weathered, Excellent Rock, NXDC	R-3	98 (95)	0.14					
25		Hole stopped @ 25.0 ft								
30		Remarks: 0': Rollerbit through asphalt pavement and subbase. Layers identified through visual observation of borehole sidewalls. 9.5': Rollerbit grinding 9.5' - 10', interpreted as top of bedrock. 11.5': Uniaxial Compressive Strength, qu=5,060 psi AASHTO classifications are based on visual description of sample recovery at depths where lab testing not performed.								

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Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. <<SUB>><<SUB>> is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.