



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 CONSTRUCTION AND  
 MATERIALS BUREAU  
 CENTRAL LABORATORY

BORING LOG

Moretown  
 BF 0167(16)  
 VT-100 Bridge 2

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 16b010

Checked By: SPM

Boring Crew: Olden, Judkins, Gonyaw

Date Started: 10/11/17 Date Finished: 10/16/17

VTSPG NAD83: N 636341.79 ft E 1569709.24 ft

Station: 67+62.0 Offset: 1.10

Ground Elevation: 623.8 ft

Type: WB Casing SS Sampler  
 I.D.: 4 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: CME 45C SKID CE = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
10/16/17		No W.T. observed

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
											Groundwater Observations
		Asphalt Pavement, 0.0 ft - 0.65 ft									
5		A-1-b, SaGr, Dk/gry, Moist, Rec. = 1.1 ft, Lab Note: Broken rock was within sample				10-15-11-12 (26)	9.9	54.6	26.0	19.4	
		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft					6.3	47.0	42.8	10.2	
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft					10-13-12-16 (25)	7.1	33.7	53.3	13.0
		A-1-b, GrSa, brn, Moist, Rec. = 1.6 ft Field Note:, NXDC, Cleaned out casing					7-15-13-12 (28)	4.9	40.0	48.9	11.1
10		A-1-a, SaGr, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing				R@2.5" (R)	8.5	68.1	21.7	10.2	
		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing				5-10-16-17 (26)	8.4	68.2	20.6	11.2	
		A-4, SaSi, brn, Moist, Rec. = 0.8 ft				2-6-6-7 (12)	30.7	10.2	43.2	46.6	
		A-4, SiGr, brn, Moist, Rec. = 0.7 ft Field Note:, NXDC, Cleaned out casing				11-10-6-8 (16)	15.5	44.3	19.9	35.8	
15		A-4, SiSa, brn, Moist, Rec. = 1.3 ft Field Note:, NXDC, Cleaned out casing				9-10-20-23 (30)	15.7	16.0	44.0	40.0	
		Visual Description:, Broken Rock, gry, Moist, Rec. = 0.2 ft									
		17.3 ft - 22.3 ft, Gray/green, Weakly foliated GREENSTONE, with brown staining along joints. Hard, Very slightly weathered, Good rock, NX, RMR=69	1 (60-70)	94 (100)	3	R@3.5" (R)	Top of Bedrock @ 17.3 ft				
20		22.3 ft - 27.3 ft, Gray/green, Weakly foliated GREENSTONE, with faint brown staining along joints with few pits. Hard, Very slightly weathered, Fair rock, NX, RMR=52	2 (60-70)	92 (70)	5						
					5						
					5						
					6						
30		Hole stopped @ 27.3 ft	Remarks: Hole collapsed at 15.8 feet.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N values have not been corrected for hammer energy. C<sub>i</sub> is the hammer energy correction factor.  
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG - 2 MORE TOWN BF0167(16).GPJ VERMONT AOT.GDT 1/19/17