



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

BORING LOG

Orleans Village  
BF 0310(7)  
Bridge 108 VT-58

Boring No.: **B-201**

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Pin No.: 13j084

Checked By: SPM

Boring Crew: Nieto, Judkins, Mazzei  
Date Started: 6/06/17 Date Finished: 6/07/17  
VTSPG NAD83: N 842596.69 ft E 1717588.81 ft  
Station: 41+83.03 Offset: 9.18  
Ground Elevation: 740.1 ft

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

Groundwater Observations		
Date	Depth (ft)	Notes
06/07/17		No W.T. Observed

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.56 ft								
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft				11-9-4-2 (13)	8.7	25.5	61.9	12.6
		A-2-4, GrSa, brn, Moist, Rec. = 0.9 ft				7-4-4-9 (8)	10.4	27.0	60.5	12.5
5		A-2-4, GrSa, brn, Moist, Rec. = 1.6 ft				5-4-2-2 (6)	8.0	28.1	60.1	11.8
		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft				2-2-2-3 (4)	6.0	21.1	65.9	13.0
		Field Note:, NXDC, cleaned out casing								
10		A-1-b, Sa, gry, Moist, Rec. = 0.1 ft				5-3-4-6 (7)	42.4	17.6	75.4	7.0
		Field Note:, NXDC, cleaned out casing								
		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.3 ft, Lab Note: Pieces of metal were within sample				2-3-4-5 (7)	12.6	56.3	33.5	10.2
		Field Note:, NXDC, cleaned out casing								
15		A-1-a, SaGr, brn-Lt/brn, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample				15-8-R@5" (R)	11.3	62.3	30.6	7.1
		Field Note:, NXDC, cleaned out casing, Cobbles				R@0" (R)				
		Field Note:, No Recovery								
		Field Note:, NXDC, cleaned out casing, Cobbles								
		A-1-a, SaGr, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken and weathered rock was within sample				R@2.5" (R)	7.5	65.7	20.6	13.7
		Field Note:, NXDC, cleaned out casing								
20		17.5 ft - 22.5 ft, Dark gray & black, PHYLLITE, with mineralization of sulfidic lenses and veining of calcium carbonate oriented into planar joints. Joint surfaces are crenulated with scallops of comingled sulfides and calcium carbonate, and stained with oxidation. Hard, Moderately weathered, Poor rock, NX, RMR=31	1 (85)	76 (12.9)	5					
		Field Note:, Seam encountered while coring								
		22.5 ft - 26.5 ft, Dark gray & black, PHYLLITE, with mineralization of sulfidic lenses and thin veining of calcium carbonate oriented into the planar joints. Joint surfaces expose scallops of comingled sulfides and calcium carbonate, and stained with a bright orange oxidation. Hard, Slightly weathered, Fair rock, NX, RMR=46	2 (73)	95 (46.4)	4					
25		26.5 ft - 31.5 ft, Dark gray & black, Quartz and mica rich META-LIMESTONE, with planar joints and calcium carbonate veins that mimic foliation of micas. Hard, Unweathered, Good rock, NX, RMR=71	3 (70)	100 (86)	4					
30					4					
					5					
					5					
					5					
		Hole stopped @ 31.5 ft								
		Remarks: 1. Field Note: Water return lost while coring rock at 26.0 feet and was not regained.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 <<SUB>><<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.