



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

BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: DIAGNEAULT, GARROW, WHITLOCK
Date Started: 5/13/15 Date Finished: 5/14/15
VTSPG NAD83: N 416183.59 ft E 1682376.68 ft
Station: MM 0.774 SB Offset: 10.00
Ground Elevation: 558.92 ft

Type: WB Sampler SS
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 55 TRACK C = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/14/15	4.0	While drilling.

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 %	LL %	PI %		
5		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				2-3-6-10 (9)	9.5	33.2	45.5	21.3				
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				7-8-7-9 (15)	9.2	27.4	50.9	21.7				
		A-1-a, Gr, grn, Moist, Rec. = 0.8 ft, Lab Note: Lots of Broken Rock was within sample. Field Note:, NXDC, Boulder				17-21-R (R)	3.8	69.2	19.4	11.4				
10		A-4, Si, brn, MTW, Rec. = 1.2 ft, NXDC, Cleaned out casing.				9-7-11-10 (18)	30.9	0.1	11.7	88.2				
		A-4, Si, gry, MTW, Rec. = 1.8 ft, Lab Note: Broken Rock was within sample.				1-1-1-2 (2)	44.6	6.2	2.0	91.8	40	6		
		A-4, Si, gry, Moist, Rec. = 2.0 ft, Material from center of tube.						44.1		0.6	99.4			
15		A-4, Si, gry, Moist, Rec. = 2.0 ft, Material from center of tube.					42.6		1.0	99.0				
		Field Note:, Roller coned, Cleaned out casing												
		A-4, Si, gry, Moist, Rec. = 1.4 ft					WH-WH-WH-WH (WH)	41.9		0.8	99.2	34	5	
20		A-4, SaGrSi, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				5-R@5.0" (R)	18.1	32.5	28.8	38.7				
		20.9 ft - 25.9 ft, Light green & gray, Sub-Porphryitic, foliated, Phyllitic Meta-Volcanics. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 32, Iron staining on joints.	1 (80)	100 (34)	7									
25					9									
					7									
					7									
					14									
30					5									
					6									
					5									
					5									
					5									
35			Hole stopped @ 30.9 ft											
			Remarks: 1. Hole collapsed at 20.2 ft. 2. Offset measured as the distance from the edge of pavement.											

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 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 HARTFORD-ROYALTON IMG SIGN(48).GPJ VERMONT AOT.GDT 5/26/15