



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-103**
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, GARROW, NIETO
Date Started: 5/18/15 Date Finished: 5/18/15
VTSPG NAD83: N 415174.43 ft E 1682517.30 ft
Station: MM 0.245 Ramp C Offset: 15.00
Ground Elevation: 551.41 ft

Casing 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 45C TRACK C_r = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
05/18/15	5.1	While drilling.

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 %
5		Lab Note, Mostly Broken Rock, grn, Moist, Rec. = 0.9 ft				2-4-29-20 (33)	1.7	51.3	36.1	12.6
		Lab Note, Mostly Broken Rock, grn, Dry, Rec. = 0.9 ft				10-13-11-9 (24)	1.7	59.8	30.9	9.3
		Lab Note, Mostly Broken Rock, grn, Dry, Rec. = 1.1 ft				10-4-10-7 (14)	1.8	59.7	31.6	8.7
		Lab Note, Mostly Broken Rock, gry, MTW, Rec. = 0.4 ft				10-R@1.0" (R)	11.6	47.4	41.1	11.5
10		7.4 ft - 10.4 ft, Light green & gray, Phyllitic Pyrite bearing Meta-Volcanics with rare Quartz veins and nodules. Gray/green powder on joints. Moderately hard, Very slightly weathered, Poor rock, NXMDC, RMR = 27	1 (50)	52 (0)	5					
					10					
					12					
15		10.4 ft - 14.4 ft, Light green & gray, Foliated Pyrite bearing Meta-Volcanics with abundant Quartz veins and nodules. Brown staining on joints. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 32	2 (50)	80 (10)	10					
					10					
					15					
20		14.4 ft - 17.4 ft, Light green & gray, Strongly foliated Pyrite bearing Meta-Volcanics with abundant Quartz veins and nodules. Minor brown staining on joints. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 35	3 (70)	52 (15)	9					
					5					
					6					
Hole stopped @ 17.4 ft										
Remarks: 1. Hole collapsed at 13.1 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