



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-104
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/19/15 Date Finished: 5/19/15
VTSPG NAD83: N 415179.55 ft E 1682564.65 ft
Station: MM 0.245 Ramp C Offset: 10.00
Ground Elevation: 550.13 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_e = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/19/15	10.6	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (FCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				2-3-8-12 (11)	9.2	26.5	57.4	16.1	
		Lab Note, Mostly Broken Rock, gry-brn, Moist, Rec. = 1.3 ft, NXDC, Cleaned out casing.				10-22-24-R@5.0" (46)	2.6	60.4	28.1	11.5	
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing.				34-22-16-16 (38)	10.8	71.9	21.7	6.4	
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft				18-R@3.5" (R)	8.1	63.3	25.5	11.2	
10		6.8 ft - 11.8 ft, Light green & gray, Phyllitic Porphyritic Meta-Volcanics with rare Pyrite. Yellow/orange discoloration on joints. Moderately hard, Very slightly weathered, Poor rock, NXMDC, RMR = 33	1 (-)	100 (23)	3						
					3						
					5						
					3						
					3						
15		11.8 ft - 16.8 ft, Light green & gray, Phyllitic Meta-Volcanics with rare Quartz nodules and Pyrite. Purple/red stained vertical slickensided joint at 15.3'-15.6'. Moderately hard, Slightly weathered, Fair rock, NXMDC, RMR = 43	2 (80)	100 (60)	3						
					3						
					4						
					4						
					5						
20		Hole stopped @ 16.8 ft									
20		Remarks: 1. Hole collapsed at 6.1 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