



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-108**

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Pin No.: 13A618

Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO

Date Started: 5/12/15 Date Finished: 5/13/15

VTSPG NAD83: N 414695.68 ft E 1684146.63 ft

Station: MM 0.329 NB Offset: 5.00

Ground Elevation: 491.24 ft

Type: WB 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<sub>r</sub> = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, Sa, brn, Moist, Rec. = 1.4 ft	1-2-4-4 (6)	10.3	18.9	63.7	17.4
		A-4, GrSiSa, gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.	4-8-10-8 (18)	10.7	20.3	43.9	35.8
5		Lab Note, Mostly Broken Rock, gry-Lt/brn, Moist, Rec. = 1.1 ft, NXDC, Cleaned out casing.	12-17-40-R (57)	3.0	72.3	18.4	9.3
		A-1-b, SaSiGr, gry-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	28-15-12-37 (27)	11.5	53.4	22.2	24.4
10		Lab Note, Mostly Broken Rock, gry-Lt/brn, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.	27-30-32-R (62)	9.3	71.1	17.0	11.9
		Field Note:, No Recovery	34-34-6-8 (40)				
		Field Note:, NXDC, Cleaned out casing.					
15		Field Note:, No Recovery	25-R@0.0" (R)				
		Field Note:, NXDC, Cobbles					
20		A-2-4, SiGr, gry/grn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	30-40-30-14 (70)	13.8	61.8	12.4	25.8
		Field Note:, NXDC, Cobbles & Wood					
25		A-4, GrSaSi, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	6-8-7-8 (15)	16.1	24.7	29.6	45.7
		Field Note:, NXDC, Cleaned out casing. Appears to be sandy silt					
30		A-2-4, SaSiGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	9-21-10-9 (31)	10.2	47.0	25.8	27.2
		Field Note:, NXDC, Cobbles					
35		Visual Description:, Broken Rock with sand, blk-white, Moist, Rec. = 0.6 ft	24-27-R@6.0" (R)	5.1			
		Hole stopped @ 36.5 ft					
40		Remarks: 1. Hole collapsed at 19.0 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.