STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Hartford, VT

I91 Bridge 43 N/S

Boring No.: B-201
Page No.: 1 of 2
Pin No.: s12a132
Checked By: ASP

Boring Crew: Drilex/Jason, MJR
Date Started: 3/31/14 Date Finished: 4/01/14
VTSPG NAD83: N 417499.15 ft E 1683209.44 ft
Station: 150+08.07 Offset: -28.75
Ground Elevation: 552.05 ft

	Casing	Sampler
Type:	Auger/WB	SS
I.D.:	4.5 in	2 in
Hammer Wt:	300 lb.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto
Rig:	CME 50	CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
04/01/14	0.0	Due to water used during 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 %
2.5		A-2-4, SaSiGr, Auger sample (FILL)					19.1	19.6	54.2	26.2
5.0		A-2-4, SaSiGr, Rec. = 1.83 ft				8-17-19-20 (36)	13.5	14.4	51.6	34.0
10.0		A-2-4, SaSiGr, Rec. = 1.5 ft				8-10-13-19 (23)	14.4	19.7	48.8	31.5
15.0		A-2-4, GrSaSi, Rec. = 0.33 ft				17-30/2" (30+)	12.1	35.3	33.9	30.8
20.0		A-4, SiSaGr, Rec. = 1.42 ft				10-24-32-46 (56)	11.8	26.9	35.2	37.9

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
3. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

Terracon

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27.5		A-2-4, SaSiGr, Rec. = 1.33 ft				27-32-55/5" (55+)	11.3	28.5	36.7	34.8
		Split spoon refusal, Weathered bedrock								
30.0		29.5 ft - 35.5 ft, Gray-green ANDESITE, hard, fresh 45° and 30° joint sets, smooth, open, moderately close. Upper 7 inches and lower 6 inches highly fractured and weathered	1	28 (11)	2 1 0.75 0.75 0.5					
35.0		35.5 ft - 39.5 ft, Gray-green ANDESITE, hard,slight weathering in top 9 inches, 45° and 75° joint sets, very close. Bottom 31 inches, fresh weathering, 80° and 45° joint sets, moderately close, tight. Thinly foliated. Open hole coring changed to spin 4-inch casing to 39 feet.	3	67 (56)	3 2.5 3.5 2.5					
40.0		39.0 ft - 44.0 ft, Gray-green ANDESITE, very hard, slight to moderate weathering, 85°, 0°, 45° joint sets, very close to moderately close, quartz infilling.	5	87 (70)	2 2 2 2.75 2.5					
45.0		Hole stopped @ 44.0 ft			3.5					

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