



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

BORING LOG

LUDLOW  
HES SGNL(44)  
VT-100, VT-103 TRAFFIC SIGNAL

Boring No.: **B-104**

Page No.: 1 of 1

Pin No.: 13B020

Checked By: MLM

Boring Crew: DAIGNEAULT, GARROW, NIETO  
Date Started: 5/20/15 Date Finished: 5/21/15  
VTSPG NAD83: N 335197.58 ft E 1585362.64 ft  
Station: 31+35 Offset: 0.00  
Ground Elevation: 1034.4 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 45C TRACK C = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/21/15	9.8	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		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.2 ft				2-4-6-8 (10)	7.4	36.0	48.5	15.5
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft, Cleaned out casing.				4-8-11-19 (19)	8.3	30.0	53.0	17.0
		A-1-b, GrSa, gry, MTW, Rec. = 0.5 ft Field Note:, Cobbles				35- R@2.5" (R)	16.1	26.1	66.6	7.3
		Visual Description:, Severely Weathered Rock, brn, Moist, Rec. = 1.8 ft				11-14-16-17 (30)	13.1			
10		Lab Note, Broken Rock & Weathered Rock were within sample., brn, Moist, Rec. = 1.7 ft				9-9-10-11 (19)	15.6	39.0	36.6	24.4
		Lab Note, Lots of Severely Weathered Rock was within sample., brn, Moist, Rec. = 1.3 ft				7-7-10-10 (17)	14.5	28.5	45.7	25.8
15		Visual Description:, Mostly Broken Rock, Rec. = 0.4 ft				R@5.0" (R)	10.7	52.7	29.5	17.8
20		20.0 ft - 25.0 ft, Gray, mica-SCHIST, with quartz veins. Strongly foliated. Some brown staining on joints. Moderately hard, Very slightly weathered, Good rock, NXMDC, RMR = 64	1 (40)	88 (85)	2	Top of Bedrock @ 20.0 ft				
					3					
					3					
					4					
25		25.0 ft - 29.7 ft, Gray, mica-SCHIST, with quartz veins. Strongly foliated. Some brown staining on joints throughout core. Moderately hard, Very slightly weathered, Good rock, NXMDC, RMR = 61	2 (35-40)	94 (75)	3					
					3					
					3					
					4					
30		29.7 ft - 30.0 ft, Light brown, mica-SCHIST, Very soft, Severely weathered			6					
		Hole stopped @ 30.0 ft								
35		Remarks: Hole collapsed at 20.3 ft.								

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 LUDLOW HES SGNL(44).GPJ VERMONT AOT.GDT 6/16/15