



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

BORING LOG

CHELSEA  
BHF 0169(10)  
VT-110 BR-11

Boring No.: **B-103**  
Page No.: 1 of 1  
Pin No.: 12C152  
Checked By: CCB

Boring Crew: WHITLOCK, JUDKINS, HOOK  
Date Started: 4/01/15 Date Finished: 4/03/15  
VTSPG NAD83: N 544677.90 ft E 1654315.74 ft  
Station: 176+64.5 Offset: -7.50  
Ground Elevation: 833.2 ft

Type: WB Sampler SS  
I.D.: 5 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
04/03/15	10.5	Before drilling.
04/03/15	7.7	After 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 %
		Asphalt Pavement, 0.0 ft - 0.63 ft								
		A-1-b, GrSa, orange-brn, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.				10-16-16-14 (32)	10.6	33.2	52.7	14.1
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.0 ft				10-13-R@5.0" (R)	10.9	27.7	56.8	15.5
5		Lab Note, Sample had Broken rock pieces, but mostly Pulverized Rock, gry, Moist, Rec. = 0.4 ft, Cleaned out with roller cone					1.1	45.9	35.9	18.2
		A-2-4, Sa, brn, MTW, Rec. = 1.5 ft				WH-45-32-R@1.0" (77)	22.3	19.3	62.1	18.6
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				15-12-16-20 (28)	20.5	33.2	52.7	14.1
10		Lab Note, Lots of Broken Rock and a few wood pieces were within sample., brn, Moist, Rec. = 0.6 ft, NXDC, Cleaned out casing.				6-9-7-16 (16)	13.6	61.7	30.6	7.7
		Field Note:, No Recovery				R@5.0" (R)				
		Field Note:, Drilled a 4 inch diameter Concrete Core, Rec. = 2.1 ft								
		Lab Note, Mostly Broken Rock with sand, brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing. Went inside with 4 inch casing.				34-40-16 (56)	9.9	63.5	27.8	8.7
15		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft				15-7-7-6 (14)	16.6	32.0	49.0	19.0
		Visual Description:, Broken Rock, gry-blk, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.				8-8-14-14 (22)				
		A-2-4, Sa, brn, Moist, Rec. = 0.6 ft				23-R (R)	14.2	17.1	64.1	18.8
20		19.6 ft - 24.6 ft, Gray, Meta-Limestone, with Quartz veins and staining on joints. Hard, Unweathered, Fair rock, NXMDC, RMR = 52	1 (55)	98 (63)	3					
					3					
					3					
					3					
					3					
25		24.6 ft - 29.6 ft, Gray, Meta-Limestone, with some Quartz veins. Hard, Unweathered, Good rock, NXMDC, RMR = 69	2 (55)	100 (94)	3					
					3					
					3					
					3					
30		Hole stopped @ 29.6 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 CHELSEA BHF 0169(10).GPJ VERMONT AOT.GDT 5/20/15