



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

BORING LOG

Boring No.: **B-102**
 Page No.: 1 of 1
 Pin No.: 13J304
 Checked By: TDE

DANBY
BF 0130(3)
TH-1 BR-9

Boring Crew: DAIGNEAULT, HOOK, NIETO
 Date Started: 12/08/14 Date Finished: 12/15/14
 VTSPG NAD83: N 306380.19 ft E 1497036.86 ft
 Station: 13+68.3 Offset: 6.00
 Ground Elevation: 1229.85 ft

Type: Casing 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 = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

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 %
0 - 1.0		Tested as, SaGr, brn-gry, Moist, Rec. = 1.0 ft, Lab Note: Sample was mostly broken soft flat rock. Field Note: NXDC, Broken Rock				3-4-15-R@3.5" (19)	6.0	51.5	31.7	16.8
1.0 - 3.5		3.5 ft - 8.5 ft, Gray, Siliceous shale and Phyllite, Medium hard, Moderately severe weathering, Very poor rock, NXMDC, Core run is very vuggy with iron staining on vug and foliation surfaces. RMR = 20	1 (20)	64 (0)	3					
3.5 - 8.5		8.5 ft - 13.5 ft, Gray, Phyllite, Medium hard, Moderately weathered, Very poor rock, NXMDC, Portions of core run is vuggy with iron staining on vug and foliation surfaces. RMR = 20	2 (20)	86 (0)	3					
8.5 - 13.5		13.5 ft - 18.5 ft, Gray, Phyllite, Medium hard, Slightly weathered to unweathered, Poor rock, NXMDC, Top 2.1 feet of core is slightly vuggy with iron staining on vug and foliation surfaces. RMR = 36	3 (20)	98 (42)	3					
13.5 - 18.5		18.5 ft - 23.5 ft, Gray, Phyllite, Medium hard, Unweathered, Good rock, NXMDC, RMR = 64	4 (20)	98 (94)	5					
18.5 - 23.5		Hole stopped @ 23.5 ft								
23.5 - 25		Remarks: 1. Hole collapsed at 1.0 ft. 2. Boring was drilled through bridge deck. 3. Measurements are referenced from ground surface. Geologist's Note: Water soaked from top of Run #1 through middle of Run #3. Cores remained wet for days after drilling.								

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 DANBY BF 0130(3).GPJ VERMONT AOT.GDT 4/27/15