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

BORING LOG

GUILFORD
BF 0113(68)
US-5 BR-5

Boring No.: **B-104**
Page No.: 1 of 1
Pin No.: 13C064
Checked By: CEE

Boring Crew: GARROW, HOOK, NIETO
Date Started: 10/28/14 Date Finished: 10/29/14
VTSPG NAD83: N 115452.66 ft E 1620333.79 ft
Station: 3+89 Offset: 8.60
Ground Elevation: 398.7 ft

	Casing	Sampler
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 SKID	C_E = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
10/29/14	10.1	AM, Before 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 - 0.75 ft								
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Cleaned out casing with roller cone.				19-14-9-6 (23)	10.6	38.8	45.4	15.8
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Mostly Broken Rock with sand.				10-7-R@0.0" (R)	6.8	68.6	24.5	6.9
		Field Note:, NXDC, Cleaned out casing								
5		Visual Description:, Broken Rock, gry, Moist, Rec. = 0.2 ft				R@3.5" (R)	7.2			
		Field Note:, NXDC, Boulders & Cobbles								
		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock & some Weathered Rock pieces were within sample.				22-27-18-21 (45)	11.2	49.9	36.1	14.0
10		A-1-a, SaGr, gry, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock & some Weathered Rock pieces were within sample.				28-41-30-R (71)	11.9	49.3	33.3	17.4
		Field Note:, NXDC, Cleaned out casing								
		12.8 ft - 17.8 ft, Dark gray, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 50	1 (85)	100 (72)	6 7 8 8 4	Top of Bedrock @ 12.8 ft				
15										
		17.8 ft - 22.8 ft, Dark gray, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 50	2 (85)	100 (50)	5 8 7 6 7					
20										
		22.8 ft - 25.3 ft, Dark gray, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 45	3 (80)	100 (43)	7 6 3					
25		25.3 ft - 27.3 ft, Dark-gray to black, Phyllite, Moderately hard, Unweathered, Poor rock, NXMDC, RMR = 40	4 (?)	50 (0)	4 10					
		27.3 ft - 29.3 ft, Dark gray, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Poor rock, NXMDC, RMR = 40	5 (50)	65 (0)	5 9					
		29.3 ft - 31.0 ft, Dark gray, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 50	6 (70)	65 (50)	4 4					
30		Hole stopped @ 31.0 ft								
		Remarks: Hole collapsed at 11.2 ft.								
35										

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_E 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 GUILFORD BF 0113(68).GPJ VERMONT AOT.GDT 11/12/14