



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-102**  
Page No.: **1 of 1**  
Pin No.: **13C064**  
Checked By: **CEE**

Boring Crew: GARROW, HOOK, NIETO  
Date Started: 10/24/14 Date Finished: 10/27/14  
VTSPG NAD83: N 115367.27 ft E 1620364.21 ft  
Station: 2+99 Offset: 9.80  
Ground Elevation: 400.2 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
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.83 ft								
		Visual Description:, Broken Asphalt Pavement, blk-brn, Moist, Rec. = 0.4 ft				10-17-12-8 (29)	10.0			
5		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Cleaned out casing with roller cone.				5-6-4-3 (10)	10.7	38.8	44.9	16.3
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft				4-4-3-5 (7)	14.6	21.0	57.0	22.0
		Visual Description:, SiGrSa, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing.				4-5-3-4 (8)	9.4			
10		Visual Description:, GrSiSa, brn-white, Moist, Rec. = 0.2 ft, Insufficient sample for testing.				5-5-15-8 (20)	7.8			
		NXDC, Cleaned out casing.				16-12-7-22 (19)	11.7	44.7	44.5	10.8
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing.				R@3.5" (R)				
15		Field Note:, Boulders and stones, NXDC, Cleaned out casing.								
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.8 ft				3-1-3-4 (4)	32.7	20.5	52.2	27.3
		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.				16-19-22-28 (41)	13.5	18.3	47.3	34.4
20		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.2 ft, Lab Note: Mostly Broken Rock with sand.				R@2.5" (R)	9.1	47.4	34.9	17.7
		A-1-b, SaGr, gry, Moist, Rec. = 0.2 ft, Lab Note: Mostly Broken Rock with sand.				R@2.5" (R)	11.4	45.3	40.6	14.1
25		22.2 ft - 26.2 ft, Dark-gray to black, Phyllite and slate and light-gray metasandstone, Moderately hard, Moderately weathered, Poor rock, NXMDC, Black Phyllite beds contorted. RMR = 30	1 (70)	45 (0)	6 6 6 7					
		26.2 ft - 31.2 ft, Dark-gray to black, Phyllite and slate and light-gray metasandstone, Moderately hard, Moderately weathered, Poor rock, NXMDC, Black Phyllite beds contorted. RMR = 30	2 (20)	50 (24)	4 5 7 5 5					
30		31.2 ft - 36.2 ft, Dark-gray to black, Phyllite and slate and light-gray metasandstone, Moderately hard, Moderately weathered, Poor rock, NXMDC, Black Phyllite beds contorted. RMR = 35	3 (20-80)	94 (34)	4 5 4 6 5					
35										
		Hole stopped @ 36.2 ft								
40		Remarks: Hole collapsed at 16.2 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 GUILFORD BF 0113(68).GPJ VERMONT AOT.GDT 11/12/14