

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: <b>B-104</b>			
				Richmond BF 0284(28) US-2 Br #32		Page No.: 1 of 1			
						Pin No.: 13c070			
						Checked By: CEE			
Boring Crew: HOOK, JUDKINS, GARROW		Casing Sampler		Groundwater Observations					
Date Started: 9/10/15 Date Finished: 9/11/15		Type: WB SS	I.D.: 4 in 1.5 in	Date	Depth (ft)	Notes			
VTSPG NAD83: N 690795.54 ft E 1522634.05 ft		Hammer Wt: N.A. 140 lb.	Hammer Fall: N.A. 30 in.	09/11/15	7.6	After Drilling.			
Station: 271+76.3 Offset: -19.50		Hammer/Rod Type: Auto/AWJ	Rig: CME 45C SKID C <sub>s</sub> = n/a	09/11/15	7.6	Before Drilling.			
Ground Elevation: 317.7 ft									
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)			Blowlog (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.66 ft							
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.4 ft			5-5-5-4 (10)	9.9	30.3	45.6	24.1
5		Cleaned out casing, 4.3 ft - 5.0 ft							
		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.			9-35-11-6 (46)	12.6	47.4	40.9	11.7
10		Cleaned out casing, 8.9 ft - 10.0 ft							
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft			6-4-5-6 (9)	22.5	40.0	55.8	4.2
15		Cleaned out casing, 14.3 ft - 15.0 ft							
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.4 ft, Lab Note: Sample tested Non-Plastic.			3-3-3-3 (6)	16.8	40.0	35.2	24.8
20		A-1-b, Sa, gry, Moist, Rec. = 0.9 ft			3-2-3-3 (5)	21.8	3.3	87.2	9.5
25		Cleaned out casing, 24.3 ft - 25.0 ft							
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft			5-2-4-5 (6)	11.2	59.5	30.6	9.9
30		Cleaned out casing, 29.6 ft - 30.0 ft							
		A-3, Sa, gry, Moist, Rec. = 0.2 ft			6-3-4-5 (7)	23.5	7.0	85.9	7.1
35		No Recovery, 35.0 ft - 37.0 ft, Changed to Mud Drilling due to light gray sand. 35-40 feet.			9-7-7-6 (14)				
40		A-4, Si, Lt/gry, Moist, Rec. = 1.3 ft			4-5-5-6 (10)	28.4		16.6	83.4
		Hole stopped @ 42.0 ft							
45		Remarks: Hole Collapsed at 7.8 feet.							
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.								

BOTTOM OF PILE CAP  
ELEV. 309.00  
ESTIMATED PILE  
LENGTH OF 85 FT  
BELOW PILE CAP

BORING LOG 2 RICHMOND BF0284(28) GFU VERMONT AOT.GSDT 11/12/15

PROJECT NAME:	RICHMOND
PROJECT NUMBER:	BF 0284(28)
FILE NAME: si3c070boring.dgn	PLOT DATE: 13-SEP-2016
PROJECT LEADER: R. YOUNG	DRAWN BY: S. COLEY
DESIGNED BY: S. COLEY	CHECKED BY: W. LAMMER
BORING LOGS 2	SHEET 23 OF 54