

VTTrans Working to Get You There		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101			
				Richmond BF 0284(28) US-2 Br #32		Page No.: 1 of 1 Pin No.: 13c070 Checked By: CEE			
Boring Crew: <u>GARROW, NIETO</u>		Casing Sampler		Groundwater Observations					
Date Started: <u>9/15/15</u> Date Finished: <u>9/15/15</u>		Type: <u>WB</u> <u>SS</u>		Date	Depth (ft)	Notes			
VTSPG NAD83: <u>N 690754.92 ft E 1522623.11 ft</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		<u>09/15/15</u>	<u>4.1</u>	<u>After Drilling.</u>			
Station: <u>271+70</u> Offset: <u>22.00</u>		Hammer Wt: <u>N.A.</u> <u>140 lb.</u>							
Ground Elevation: <u>312.3 ft</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>							
		Hammer/Rod Type: <u>Auto/AWJ</u>							
		Rig: <u>CME 45C SKID</u> <u>C = n/a</u>							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)			Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-a, SaGr, blk-brn, Moist, Rec. = 1.0 ft, Lab Note: A lot of asphalt pavement and some wood fiber was within sample.			2-9-8-7 (17)	9.4	73.0	24.3	2.7
		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft			14-7-9-4 (16)	12.4	66.1	26.4	7.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft			5-2-1-3 (3)	21.0	24.6	62.9	12.5
		No Recovery, 6.0 ft - 8.0 ft			6-2-2-1 (4)				
		Field Note: Cleaned out casing.			2-2-2-3 (4)	23.4	7.8	68.9	23.3
		A-2-4, SiSa, gry, Moist, Rec. = 0.8 ft, Lab Note: Sample tested Non-Plastic.			3-2-2-4 (4)	18.9	11.1	80.0	8.9
		A-1-b, Sa, gry, Moist, Rec. = 0.7 ft			2-2-2-3 (4)	18.6	13.8	77.0	9.2
		A-1-b, Sa, gry, Moist, Rec. = 0.8 ft			4-4-3-4 (7)				
		No Recovery, 14.0 ft - 16.0 ft							
		A-1-a, SaGr, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.			13-7-10-6 (17)	8.9	67.6	24.3	8.1
		A-2-4, Sa, Lt/brn-gry, Moist, Rec. = 1.0 ft			5-3-3-4 (6)	20.5	19.5	63.3	17.2
		A-3, Sa, Lt/brn, Moist, Rec. = 1.0 ft			4-4-5-6 (9)	22.2		92.1	7.9
		No Recovery, 35.0 ft - 37.0 ft			4-7-4-6 (11)				
		Hole stopped @ 37.0 ft							
		Remarks: Hole Collapsed at 4.2 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) GPJ_VERMONT_AOT_GDT_11/12/15

VTTrans Working to Get You There		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-102			
				Richmond BF 0284(28) US-2 Br #32		Page No.: 1 of 1 Pin No.: 13c070 Checked By: CEE			
Boring Crew: <u>HOOKE, GARROW, NIETO</u>		Casing Sampler		Groundwater Observations					
Date Started: <u>9/11/15</u> Date Finished: <u>9/14/15</u>		Type: <u>WB</u> <u>SS</u>		Date	Depth (ft)	Notes			
VTSPG NAD83: <u>N 690793.88 ft E 1522677.90 ft</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		<u>09/14/15</u>	<u>8.0</u>	<u>Before drilling.</u>			
Station: <u>272+20</u> Offset: <u>-22.70</u>		Hammer Wt: <u>N.A.</u> <u>140 lb.</u>							
Ground Elevation: <u>316.8 ft</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>							
		Hammer/Rod Type: <u>Auto/AWJ</u>							
		Rig: <u>CME 45C SKID</u> <u>C = n/a</u>							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)			Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, GrSiSa, brn-Lt/brn, Moist, Rec. = 1.4 ft, Lab Note: Grass roots and wood fiber was within sample.			WH-1-2-3 (3)	8.3	30.5	53.7	15.8
		A-1-b, SaGr, brn, Moist, Rec. = 10.0 ft			1-2-4-3 (6)	6.1	48.5	36.1	15.4
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft			2-4-2-5 (6)	18.7	12.8	61.2	26.0
		No Recovery, 6.0 ft - 8.0 ft			5-7-8-14 (15)				
		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.6 ft			6-10-11-8 (21)	10.1	57.7	31.6	10.7
		Field Note: Cleaned out casing.			5-3-2-1 (5)				
		A-2-4, GrSa, brn, MTW, Rec. = 0.4 ft			1-2-2-3 (4)	23.9	20.4	60.8	18.8
		No Recovery, 14.0 ft - 16.0 ft			3-2-1-1 (3)				
		No Recovery, 16.0 ft - 18.0 ft			1-2-1-4 (3)				
		A-1-b, SaGr, brn-Lt/brn, Moist, Rec. = 1.3 ft			2-4-6-6 (10)	12.5	49.4	40.4	10.2
		Field Note: Cleaned out casing.			3-2-4-5 (6)	21.1	4.9	78.7	16.4
		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.2 ft							
		No Recovery, 30.0 ft - 32.0 ft			WH-3-3-5 (6)				
		A-3, Sa, brn, Moist, Rec. = 1.3 ft			1-4-4-5 (8)	21.2	4.8	89.4	5.8
		Visual Description: SaSi, brn, Moist, Rec. = 0.1 ft, Lab Note: Possible thin layer of clay. Insufficient sample size for testing.			1-6-6-9 (12)	35.0			
		Hole stopped @ 42.0 ft							
		Remarks: Hole Collapsed at 32.0 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.									

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LENGTH OF 85 FT
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BORING LOG 2 RICHMOND BF0284(28) GPJ_VERMONT_AOT_GDT_11/12/15

PROJECT NAME:	RICHMOND
PROJECT NUMBER:	BF 0284(28)
FILE NAME:	si3c070boring.dgn
PROJECT LEADER:	R. YOUNG
DESIGNED BY:	S. COLEY
BORING LOGS I	
PLOT DATE:	13-SEP-2016
DRAWN BY:	S. COLEY
CHECKED BY:	W. LAMMER
SHEET	22 OF 54