

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101				
				BRADFORD BF 0191(29) VT-25B BR-1		Page No.: 1 of 2				
						Pin No.: 13C054				
						Checked By: BLS				
Boring Crew: DAIGNEAULT, JUDKINS		Type: WB		Casing: WB		Sampler: SS				
Date Started: 7/10/14 Date Finished: 7/14/14		I.D.: 4 in		Date: 07/11/14		Depth (ft): 5.3				
VTSPG NAD83: N 542360.40 ft E 1735388.25 ft		Hammer Wt: N.A. 140 lb.		Date: 07/14/14		Depth (ft): 4.3				
Station: 14+08 Offset: -5.80		Hammer Fall: N.A. 30 in.		Notes: AM						
Ground Elevation: 471.0 ft		Hammer/Rod Type: Auto/AWJ		Notes: AM						
		Rig: CME 45C TRACK		C: 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-3, Sa, brn, Moist, Rec. = 0.7 ft				WH-1-2-1 (3)	16.6	1.9	88.1	10.0
		A-2-4, GrSa, brn, Moist, Rec. = 1.7 ft, Lab Note: Broken Rock was within sample.				2-3-5-6 (8)	13.6	22.0	65.4	12.6
5		Visual Description: Wood with silty sand, Dk/brn, MTW, Rec. = 0.6 ft, Cleaned out with roller cone.				3-22-5-5 (27)	76.7			
		A-1-a, SaGr, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				8-5-6-7 (11)	11.3	60.3	32.8	6.9
		A-1-b, GrSa, brn, MTW, Rec. = 0.8 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				6-8-6-20 (14)	18.1	30.6	53.6	15.8
10		A-2-4, GrSa, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				9-6-5-7 (11)	20.3	28.1	55.6	16.3
		A-1-a, SaGr, brn, MTW, Rec. = 0.5 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				10-7-25-23 (32)	11.5	58.1	32.9	9.0
		Field Note: No Recovery, Cleaned out with roller cone.				33-10-6-5 (16)	16.4	24.8	67.9	7.3
		A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				4-3-8-7 (11)	13.7	47.5	37.6	14.9
		A-1-b, SaGr, brn, MTW, Rec. = 0.4 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				6-5-5-4 (10)	10.4	50.9	34.3	14.8
20		A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				13-23-27-24 (50)	14.7	41.9	47.1	11.0
		Field Note: NXDC, Cleaned out casing				10-6-6-8 (12)	14.5	39.5	40.8	19.7
25		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing				9-19-10-5 (29)	14.5	39.5	40.8	19.7
		Field Note: NXDC, Cleaned out casing				18-21-19-30 (40)	7.6	52.3	30.4	17.3
30		A-1-b, GrSa, Dk/brn, MTW, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.								
		Field Note: NXDC, Cleaned out casing								
35		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.								
		Field Note: NXDC, Cleaned out casing								
<p>Notes:</p> <ol style="list-style-type: none"> 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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Station: 14+08 Offset: -5.80		Hammer Fall: N.A. 30 in.		Notes: AM						
Ground Elevation: 471.0 ft		Hammer/Rod Type: Auto/AWJ		Notes: AM						
		Rig: CME 45C TRACK		C: 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: NXDC, Cleaned out casing				14-22-11-18 (33)	11.8	28.7	53.8	17.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft								
45		Field Note: NXDC, Cleaned out casing								
		Lab Note, Sample was mostly Broken Rock, brn-gry, Moist, Rec. = 0.2 ft				25-R@2.5" (R)	10.7	51.6	29.2	19.2
		Field Note: NXDC, Cleaned out casing								
50		A-1-b, GrSa, Lt/brn, MTW, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				20-28-18-9 (46)	10.8	38.2	46.7	15.1
		Field Note: NXDC, Cleaned out casing								
55		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				11-10-13-11 (23)	12.7	36.0	43.0	21.0
		Field Note: NXDC, Cleaned out casing								
60		Field Note: NXDC, Cleaned out casing				17-R@2.5" (R)	12.8	25.9	52.5	21.6
		A-2-4, SiGrSa, gry, Moist, Rec. = 0.4 ft	1 (45)	100 (48)	11					
		60.7 ft - 65.7 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Fair rock, NXMDC, RMR=52			8					
					5					
					4					
					4					
65		65.7 ft - 70.7 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Granite, fine-grained. Hard, Unweathered, Good rock, NXMDC, RMR=61	2 (45)	100 (88)	3					
					3					
					3					
					3					
70		Hole stopped @ 70.7 ft								
		Remarks:								
		1. Hole was drilled through Bridge Deck.								
		2. Top of Bridge Deck was 10.0 feet above ground surface.								
		3. Bridge Deck Asphalt depth was at 0.0-0.27 ft.								
		4. Bridge Deck Concrete depth was at 0.27-0.87 ft.								
		5. Soil sample depths were taken from ground surface.								
		6. Hole collapsed at 16.2 ft.								
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ABUT. 1 BTM.
ELEV. 472.00

EST. PILE TIP

EST. LENGTH = 62'

BORING LOG 2 BRADFORD BF 0191(29).GPJ VERMONT AOT.GDT 8/6/14

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PROJECT NAME:	BRADFORD	PLOT DATE:	15-SEP-2016
PROJECT NUMBER:	BF 0191 (29)	DRAWN BY:	G. ROY
FILE NAME:	sl3c054bor.dgn	CHECKED BY:	M. EVANS-MONGEON
PROJECT LEADER:	C. CARLSON	SHEET	24 OF 71
DESIGNED BY:	G. ROY		
BORING LOGS (1)			