

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-104				
				BRADFORD BF 0191(29) VT-25B BR-1		Page No.: 1 of 2				
						Pin No.: 13C054				
						Checked By: BLS				
Boring Crew: JUDKINS, HOOK, STRINGER		Type: WB		Casing WB		Sampler SS				
Date Started: 6/20/14 Date Finished: 6/30/14		I.D.: 4 in		Date		Depth (ft)				
VTSPG NAD83: N 542391.36 ft E 1735533.85 ft		Hammer Wt: N.A. 140 lb.		06/24/14		14.6 AM				
Station: 15+55 Offset: 14.50		Hammer Fall: N.A. 30 in.		06/26/14		12.8 AM				
Ground Elevation: 480.0 ft		Hammer/Rod Type: Auto/AWJ		06/30/14		14.2 AM				
		Rig: CME 55 TRACK				C_c = 1.46				
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 %
0		A-1-b, Sa, brn, Moist, Rec. = 0.7 ft				WH-1-1-1	8.5	17.6	70.4	12.0
5		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft				1-1-1-1 (2)	10.3	24.5	63.6	11.9
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				2-1-2-2 (3)	7.2	35.3	58.0	6.7
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				2-2-4-5 (6)	6.2	37.3	56.7	6.0
		Visual Description: GrSa, brn, Moist, Rec. = 0.2 ft, Lab Note: Material similar as 6-8 ft.				6-3-4-4 (7)				
10		Field Note: No Recovery. Appears to be tree root, Cleaned out with Roller cone.				4-4-3-3 (7)				
		A-2-4, SiSa, Lt/brn, MTW, Rec. = 0.1 ft				4-2-2-2 (4)	23.2	3.2	70.2	26.6
15		A-2-4, GrSa, Lt/brn, Moist, Rec. = 1.2 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				3-13-26-27 (39)	13.8	26.7	54.0	19.3
		A-1-b, GrSa, brn-white, Moist, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				30-26-24 (50)	10.9	42.9	44.3	12.8
20		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				R@1.0" (15-17-12-14 (29))	11.8	63.0	29.2	7.8
		Lab Note: Sample was mostly Broken Rock, brn-yellow, Moist, Rec. = 0.5 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				9-5-4-3 (9)	8.3	82.3	14.8	2.9
25		Field Note: Cleaned out with NXDC								
		Field Note: No Recovery, Rock in sampler.				6-5-8-4 (13)				
30		Field Note: No Recovery								
35		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				2-2-3-4 (5)	20.1	18.8	64.8	16.4
40		Field Note: Cleaned out with NXDC								
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				11-7-7-11 (14)	18.5	17.8	43.1	39.1
45		Field Note: Cleaned out with NXDC								
		A-2-4, GrSa, brn-orange, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				24-20-20-29	14.7	21.6	63.0	15.4

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_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: 15+55 Offset: 14.50		Hammer Fall: N.A. 30 in.		06/26/14		12.8 AM				
Ground Elevation: 480.0 ft		Hammer/Rod Type: Auto/AWJ		06/30/14		14.2 AM				
		Rig: CME 55 TRACK				C_c = 1.46				
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 %
50		Field Note: Cleaned out with NXDC				(40)				
		A-2-4, GrSa, gry, Moist, Rec. = 1.5 ft				18-18-28-40 (46)	12.4	31.7	50.3	18.0
55		Field Note: Cleaned out with NXDC								
		A-1-b, GrSa, gry-brn, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				30-17-10-12 (27)	15.4	37.8	49.8	12.4
60		Field Note: Cleaned out with NXDC								
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				6-4-5-4 (9)	10.0	62.1	27.7	10.2
65		Field Note: Cleaned out with NXDC								
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				30-32-15-12 (47)	12.6	43.1	42.9	14.0
70		Field Note: NXDC, Cobbles, Pulled casing and changed bit.								
75		Field Note: Cleaned out with NXDC								
		Field Note: No Recovery								
		Field Note: NXDC, Cobbles				R@2.5" (R)				
80		77.9 ft - 80.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	1 (20)	73 (0)	3					
		80.9 ft - 85.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	2 (20)	66 (0)	5					
85		85.9 ft - 90.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	3 (20)	88 (0.5)	3					
90		Hole stopped @ 90.9 ft								

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ABUT. 2 BTM.
ELEV. 472.00

EST. PILE TIP

EST. LENGTH = 70'

PROJECT NAME: BRADFORD	PLOT DATE: 15-SEP-2016
PROJECT NUMBER: BF 0191 (29)	DRAWN BY: G. ROY
FILE NAME: s13c054bor.dgn	CHECKED BY: M. EVANS-MONGEON
PROJECT LEADER: C. CARLSON	SHEET 27 OF 71
DESIGNED BY: G. ROY	
BORING LOGS (4)	