

VT Trans Working to Get You There Vermont Agency of Transportation		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101				
				CHELSEA BHF 0169(10) VT-110 BR-11		Page No.: 1 of 2				
						Pin No.: 12C152				
						Checked By: CCB				
Boring Crew: JUDKINS, HOOK, NIETO		Casing Type: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/15/15 Date Finished: 4/16/15		I.D.: 5 in		1.5 in		Date Depth (ft) Notes				
VTSPG NAD83: N 544598.25 ft E 1654349.60 ft		Hammer Wt: N.A.		140 lb.		04/15/15 9.1 End of day.				
Station: 175+78.0 Offset: -5.60		Hammer Fall: N.A.		30 in.		04/16/15 9.8 Before drilling.				
Ground Elevation: 833.2 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK		C = 1.46						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.92 ft								
2.5		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				10-10-8-7 (18)	9.8	26.9	59.9	13.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.				10-7-7-8 (14)	12.5	45.5	44.9	9.6
5.0		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft, Cleaned out with roller cone.				8-7-9-9 (16)	13.4	25.2	58.4	16.4
7.5		Field Note: No Recovery				R@2.5" (R)				
		Field Note: NXDC, Boulder								
10.0		A-1-b, GrSa, brn-Lt/brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				47-39-R@6.0" (R)	18.6	38.1	47.9	14.0
		Lab Note, Mostly Broken Rock, Lt/brn, Moist, Rec. = 0.3 ft				R@3.5" (R)	10.2	64.3	28.1	7.6
12.5		Field Note: Drilled a 4 inch diameter Concrete Core								
15.0		A-1-a, SaGr, brn-Lt/gry, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				2-35-31-31 (66)	10.1	60.3	32.3	7.4
		A-1-b, SaGr, gry-Lt/brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample. Cleaned out with NXDC.				30-R@5.0" (R)	11.1	45.7	36.1	18.2
17.5		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.2 ft, Cleaned out with NXDC.				R@2.5" (R)	9.2	56.3	31.6	12.1
20.0		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				9-13-9-11 (22)	10.7	48.4	38.0	13.6
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.7 ft				12-14-14-26 (28)	13.6	27.4	50.6	22.0
22.5		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft, Cleaned out with NXDC.				14-19-22-R@3.5" (41)	16.2	15.0	54.9	30.1
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 EXISTING ABUT NO 1
EL 820.0 +/-

BORING LOG 2 CHELSEA BHF 0169(10) GPJ VERMONT AOT.GDT 5/20/15

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Ground Elevation: 833.2 ft		Hammer/Rod Type: Auto/AWJ								
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		Field Note: NXDC, Boulder								
27.5										
30.0		A-1-b, GrSa, gry-Lt/brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				8-25-R@5.0" (R)	13.8	33.8	47.0	19.2
		Lab Note, Broken Rock, gry, Moist, Rec. = 0.1 ft				R@1.0"				
32.5		31.1 ft - 36.1 ft, Dark gray, Phyllitic mica Schist, with some Quartz veins. Hard, Unweathered, Good rock, NXMDC, Gray Meta-Limestone begins at 0.8 ft. Grades into layered Meta-Limestone and Quartz veins at 3.8 feet. RMR = 71				1 (50)	100 (77)			
35.0										
37.5		36.1 ft - 41.1 ft, Alternating gray meta-limestone and dark gray phyllitic mica-Schist, with some orange/brown staining on joints. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 74				2 (50)	100 (92)			
40.0										
42.5		Hole stopped @ 41.1 ft								
45.0										
47.5										
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TYLIN INTERNATIONAL	PROJECT NAME: CHELSEA	PLOT DATE: 8/31/2016
	PROJECT NUMBER: BHF 0169(10)	DRAWN BY: S. MORGAN
	FILE NAME: z12ci52blogl.dgn	CHECKED BY: J. OLUND
	PROJECT LEADER: J. OLUND	SHEET 96 OF 137
	DESIGNED BY: VTRANS	
	BORING LOGS I	