



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SUBSURFACE INFORMATION

BORING NUMBER: B-18  
SHEET 1 of 2  
DATE STARTED: 10/21/09  
DATE COMPLETED: 10/27/09

PROJECT NAME: BRATTLEBORO PROJECT NUMBER: IM 091-1(50)  
SITE NAME: I-91 SITE NUMBER: BR 6 N&S  
STATION: 460+45 GROUND ELEVATION: 418.21 ft  
OFFSET: -58.89 GROUNDWATER DEPTH: 52.5 ft 10/27/09  
VTSPG NAD83: N 126895.50 ft E 1619442.72 ft PROJECT PIN NUMBER: 02A014

BORING CREW BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
CREW CHIEF: GARROW BORING TYPE: WASH BORE  
DRILLER: GARROW SAMPLE TYPE: SPLIT BARREL  
LOGGER: MAHMUTOVIC CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Lost water. Returned at 3.0 ft.	5	8.8	31.1	51.4	17.5
5		Field Note:, NXDC, Cobbles					
		Visual Classification, Broken Rock with sand, brn, Moist, Rec. = 0.4 ft	54				
10		Field Note:, NXDC, Cobbles					
		A-2-4, SiSa, brn, MTW, Rec. = 0.5 ft	22	13.3	19.6	51.1	29.3
15		Field Note:, NXDC, Cobbles					
		A-1-b, GrSa, brn, MTW, Rec. = 1.0 ft	22	9.8	27.5	59.3	13.2
20		Field Note:, NXDC, Cobbles					
		A-2-4, GrSiSa, gry, Wet, Rec. = 0.9 ft	WH	12.0	24.3	45.4	30.3
25		A-2-4, SiSa, gry, Wet, Rec. = 0.3 ft	1	13.9	13.4	57.3	29.3
30		A-2-4, SiSa, gry, Wet, Rec. = 0.8 ft	20	13.1	14.7	56.2	29.1
35		Field Note:, NXDC, Cobbles					
		A-4, SaSi, gry, Moist, Rec. = 1.3 ft	19	13.4	16.3	39.0	44.7
40		A-2-4, SiSaGr, gry, Moist, Rec. = 1.4 ft	34	9.5	43.7	28.4	27.9
45		Field Note:, NXDC, Cobbles					
		A-4, SaSi (HP), gry, Moist, Rec. = 1.5 ft	30	9.5	18.2	38.2	43.6

LOG OF BORING BRATTLEBORO IM 091-1(50).GPI VT\_AOT.GOT 1/21/10



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SUBSURFACE INFORMATION

BORING NUMBER: B-18  
SHEET 2 of 2  
DATE STARTED: 10/21/09  
DATE COMPLETED: 10/27/09

PROJECT NAME: BRATTLEBORO PROJECT NUMBER: IM 091-1(50)  
SITE NAME: I-91 SITE NUMBER: BR 6 N&S  
STATION: 460+45 GROUND ELEVATION: 418.21 ft  
OFFSET: -58.89 GROUNDWATER DEPTH: 52.5 ft 10/27/09  
VTSPG NAD83: N 126895.50 ft E 1619442.72 ft PROJECT PIN NUMBER: 02A014

BORING CREW BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
CREW CHIEF: GARROW BORING TYPE: WASH BORE  
DRILLER: GARROW SAMPLE TYPE: SPLIT BARREL  
LOGGER: MAHMUTOVIC CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-2-4, SiSaGr (HP), gry-white, Moist, Rec. = 0.9 ft	78	7.3	44.7	29.7	25.6
55		Field Note:, NXDC, Cobbles					
		A-2-4, GrSiSa (HP), gry, Moist, Rec. = 1.6 ft	64	8.6	28.6	36.1	35.3
60		Visual Classification, GrSa, gry, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	58				
65		Field Note:, NXDC, Cobbles					
		A-1-b, GrSa, gry, Wet, Rec. = 0.6 ft	62	21.1	34.9	62.6	2.5
70		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.4 ft	45	9.1	24.1	32.2	43.7
75		Visual Classification, Broken Rock, Rec. = 0.2 ft	R				
		Gray, Meta-Limestone, with quartz veins. Fair competency, Moderately hard, Unweathered, NXMDC, 75.2 ft - 78.4 ft, Rec. = 4.6 ft	1	92	68	50	22
		Drilling break, 78.4 ft - 78.8 ft					20
		Gray, Siliceous meta-limestone, Stained at top of run and before/after drilling break, Hard, 78.8 ft - 80.2 ft					20
		Gray, Siliceous meta-limestone, Some staining along joint surfaces. Competent, Hard, Unweathered, NXMDC, 80.2 ft - 85.2 ft, Rec. = 4.7 ft	2	94	52	50	15
							12
							8
							8
							12
							10
							10
85		Hole stopped @ 85.2 ft					
90							
95							

LOG OF BORING BRATTLEBORO IM 091-1(50).GPI VT\_AOT.GOT 1/21/10

Top of Bedrock @ 75.2 ft