



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

BORING NUMBER: B-101
 SHEET 1 of 1
 DATE STARTED: 3/12/09
 DATE COMPLETED: 3/12/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI
 SITE NAME: I-89
 STATION:
 OFFSET:
 VTSPG: N 719082.49 ft E 1461958.66 ft

PROJECT NUMBER: IM SCRP(3)
 SITE NUMBER: CULVERT REPLACEMENT
 GROUND ELEVATION:
 GROUNDWATER DEPTH: Hole collapsed at 10.0 ft
 PROJECT PIN NUMBER: 07A104

BORING CREW
 CREW CHIEF: PORTER
 DRILLER: PORTER
 LOGGER: WERNER

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: NSM

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, GrSaSi, brn, Moist, Rec. = 0.5 ft	3	17.5	31.8	32.2	36.0
		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	6	21.3	3.1	35.4	61.5
5		A-4, SaSi, brn, Moist, Rec. = 1.4 ft	8	16.3	0.1	38.7	61.2
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	18	15.0	0.0	25.3	74.7
		A-4, SaSi, brn, Moist, Rec. = 1.8 ft	20	16.3	1.8	42.5	55.7
10		A-4, SiSa, brn, Moist, Rec. = 1.7 ft	13	14.4	1.3	62.8	35.9
		A-4, SiSa, brn, MTW, Rec. = 1.6 ft, A very small layer of Clay was noticeable, but not enough to be tested.	14	18.7	0.3	61.2	38.5
15		A-4, SaSi, gry, Wet, Rec. = 1.2 ft	11	21.8	0.0	48.1	51.9
		A-4, SiSa, gry, Wet, Rec. = 1.7 ft	16	22.4	0.0	56.7	43.3
		A-4, SiSa, gry, Wet, Rec. = 1.9 ft	17	20.3	0.0	60.6	39.4
20		A-4, SaSi, gry, Wet, Rec. = 1.6 ft	17	19.6	0.2	46.3	53.5
		A-4, SaSi, gry, Wet, Rec. = 1.4 ft	9	23.1	0.0	49.4	50.6
25		A-4, SaSi, gry, MTW, Rec. = 1.6 ft	4	14.6	0.2	39.2	60.6
		Hole stopped @ 26.0 ft					
		DRILLER'S NOTES: 1. Possible water table at 13.6 ft.					

LOG OF BORING SOUTH BURLINGTON-WINOOSKI IM SCRP(3).GPJ VT ADT.GDT 4/2/09