

BORING LOGS

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

BORING NUMBER: B-109
SHEET 1 of 1
DATE STARTED: 3/17/09
DATE COMPLETED: 3/17/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI
SITE NAME: I-89
STATION:
OFFSET:
VTSPG: N 719861.59 ft E 1462408.54 ft

PROJECT NUMBER: IM SCRP(3)
SITE NUMBER: CULVERT REPLACEMENT
GROUND ELEVATION:
GROUNDWATER DEPTH: Hole collapsed at 12.0 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 (%)	LL (%)	PI (%)
5									
8		A-4, SaSi, gry, Moist, Rec. = 1.8 ft	27	12.6	1.0	41.0	58.0		
10		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	23	12.1	0.8	49.1	50.1		
12		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	17	13.6	0.0	59.7	40.3		
14		A-4, SaSi, gry, Moist, Rec. = 1.9 ft	13	17.4	0.0	28.5	71.5		
16		A-4, SaSi, gry, Moist, Rec. = 2.0 ft	19	17.4	0.0	42.7	57.3		
18		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	11	17.6	0.5	42.5	57.0		
20		A-4, ClSi, gry, Moist, Rec. = 2.0 ft	10	28.0	0.0	3.7	96.3	36	10
22		A-4, ClSi, gry, Moist, Rec. = 1.7 ft	8	27.0	0.0	7.7	92.3	36	9
24		A-4, Si, gry, Moist, Rec. = 1.7 ft	11	25.2	0.0	4.6	95.4	31	3
26		Hole stopped @ 26.0 ft							

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BORING NUMBER: B-110
SHEET 1 of 1
DATE STARTED: 3/19/09
DATE COMPLETED: 3/19/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI
SITE NAME: I-89
STATION:
OFFSET:
VTSPG: N 719890.33 ft E 1462345.43 ft

PROJECT NUMBER: IM SCRP(3)
SITE NUMBER: CULVERT REPLACEMENT
GROUND ELEVATION:
GROUNDWATER DEPTH: None Taken
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 (%)	LL (%)	PI (%)
3		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	3	20.1	5.4	67.2	27.4		
5		A-2-4, Sa, brn, Moist, Rec. = 1.5 ft	6	10.3	4.6	75.5	19.9		
7		A-2-4, Sa, brn, Moist, Rec. = 1.6 ft	4	11.7	3.6	78.1	18.3		
9		A-4, SaSi, brn, Wet, Rec. = 1.2 ft	3	22.8	2.3	24.3	73.4	25	2
11		A-4, Si, gry, Wet, Rec. = 1.9 ft	2	30.4	0.0	0.6	99.4	27	3
13		A-4, Si, gry, Wet, Rec. = 0.7 ft	2	28.3	0.0	2.3	97.7	25	1
15		A-4, Si, gry, Wet, Rec. = 1.5 ft	3	27.9	0.0	1.0	99.0	28	2
17		A-4, Si, gry, Wet, Rec. = 1.7 ft	1	28.7	0.0	0.6	99.4	27	1
19		Hole stopped @ 16.0 ft							

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BORING NUMBER: B-111
SHEET 1 of 1
DATE STARTED: 3/20/09
DATE COMPLETED: 3/20/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI
SITE NAME: I-89
STATION:
OFFSET:
VTSPG: N 719955.31 ft E 1462255.23 ft

PROJECT NUMBER: IM SCRP(3)
SITE NUMBER: CULVERT REPLACEMENT
GROUND ELEVATION:
GROUNDWATER DEPTH: None Taken
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 (%)	LL (%)	PI (%)
3		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	3	8.3	2.8	75.2	22.0		
5		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft	2	11.6	4.1	76.3	19.6		
7		A-4, SiSa, brn, Wet, Rec. = 1.1 ft	3	24.3	0.9	59.1	40.0		
9		A-4, Si, gry, Wet, Rec. = 1.5 ft	6	25.3	0.4	15.9	83.7		
11		A-4, SaSi, gry, Wet, Rec. = 1.5 ft	3	29.7	0.0	34.9	65.1		
13		A-4, Si, gry, Wet, Rec. = 1.6 ft	WH	30.6	0.0	1.0	99.0		
15		A-4, Si, gry, Wet, Rec. = 1.7 ft	3	29.1	0.0	0.6	99.4	26	2
17		A-4, Si, gry, Wet, Rec. = 2.0 ft	3	29.6	0.0	0.8	99.2	27	2
19		Hole stopped @ 16.0 ft							

PROJECT NAME: SOUTH BURLINGTON
PROJECT NUMBER: IM SCRP(3)
FILE NAME: d07a104_frm.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. KIPP/B. McADAMS
BORING LOGS 4
PLOT DATE: 13-JAN-2010
DRAWN BY: B. KIPP
CHECKED BY: B. KIPP
SHEET 69 OF 69