BORING LOGS

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

BORING NUMBER: B-106
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 719614.88 ft E 1462272.08 ft

PROJECT NUMBER: IM SCRP(3)
SITE NUMBER: CULVERT REPLACEMENT
GROUND ELEVATION:
GROUNDWATER DEPTH: Hole collapsed at 11.0 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 (%)
5							
		A-4, SaSi, brn, Moist, Rec. = 1.3 ft	17	13.1	1.2	47.2	51.6
10		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	15	12.8	1.5	67.6	30.9
		A-4, SaSi, brn, Moist, Rec. = 2.0 ft, A very thin layer of clay was noticeable.	13	17.3	1.2	40.4	58.4
15		A-4, SiSa, gry, Wet, Rec. = 1.7 ft	13	19.1	0.2	58.7	41.1
		A-2-4, SiSa, gry, Wet, Rec. = 1.8 ft	26	18.3	0.5	65.1	34.4
		A-4, SaSi, gry, Wet, Rec. = 1.5 ft	8	20.9	0.0	30.7	69.3
20		A-4, SaSi, gry, Wet, Rec. = 1.6 ft	25	19.3	0.0	35.2	64.8
		A-4, SiSa, gry, Wet, Rec. = 1.6 ft	35	19.7	0.5	51.1	48.4
		Hole stopped @ 24.0 ft					
25							
30							
35							
40							
45							

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

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

BORING NUMBER: B-107
SHEET 1 of 1
DATE STARTED: 3/18/09
DATE COMPLETED: 3/18/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI
SITE NAME: I-89
STATION:
OFFSET:
VTSPG: N 719631.47 ft E 1462169.04 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 (%)
		A-4, Si, gry, Moist, Rec. = 1.8 ft	12	17.1	0.0	5.4	94.6	25	2
5		A-2-4, Sa, gry, Moist, Rec. = 1.5 ft	8	19.3	0.7	84.1	15.2		
		A-4, SiSa, gry, Moist, Rec. = 1.7 ft	18	17.6	0.7	51.2	48.1		
		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	29	14.3	0.0	33.4	66.6		
10		A-4, SaSi, brn, Moist, Rec. = 1.8 ft	33	14.7	0.0	45.5	54.5		
		A-4, SaSi, gry, Moist, Rec. = 1.9 ft	32	17.3	0.0	35.2	64.8		
15		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	11	15.9	0.0	20.7	79.3		
		A-2-4, SiSa, gry, Wet, Rec. = 1.9 ft	29	17.4	1.3	64.8	33.9		
		A-4, SiSa, brn, Moist, Rec. = 1.9 ft	34	16.5	0.0	51.4	48.6		
20		Hole stopped @ 20.0 ft							
25									
30									
35									
40									
45									

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

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

BORING NUMBER: B-108
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 719677.84 ft E 1462124.29 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 (%)
5							
		A-4, SiSa, brn, Moist, Rec. = 1.4 ft	15	12.6	3.1	53.7	43.2
		A-2-4, SiSa, brn, Moist, Rec. = 2.0 ft	33	12.1	1.7	68.4	29.9
10		A-4, SaSi, brn, Moist, Rec. = 2.0 ft	34	15.5	0.6	48.0	51.4
		A-2-4, SiSa, gry, Moist, Rec. = 2.0 ft	43	13.4	0.8	64.4	34.8
15		A-4, SiSa, gry, Moist, Rec. = 1.6 ft	23	17.4	0.0	64.0	36.0
		A-4, SiSa, gry, Wet, Rec. = 2.0 ft	17	19.2	0.1	61.9	38.0
		A-2-4, Sa, gry, Wet, Rec. = 1.9 ft	28	19.4	0.2	80.3	19.5
20		A-2-4, SiSa, gry, Wet, Rec. = 1.5 ft	16	20.5	1.8	72.4	25.8
		A-4, SiSa, gry, Wet, Rec. = 1.4 ft	7	25.3	0.5	56.4	43.1
		Hole stopped @ 24.0 ft					
25							
30							
35							
40							
45							

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

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 3

PLOT DATE: 13-JAN-2010
DRAWN BY: B. KIPP
CHECKED BY: B.KIPP
SHEET 68 OF 69