



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



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
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BORING NUMBER: B-102  
 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 719114.37 ft E 1461890.74 ft

PROJECT NUMBER: IM SCRP(3)  
 SITE NUMBER: CULVERT REPLACEMENT  
 GROUND ELEVATION:  
 GROUNDWATER DEPTH: Hole collapsed at 5.0 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, SiSa, brn, Moist, Rec. = 1.9 ft	16	16.4	1.3	58.5	40.2
		A-4, SiSa, brn, Moist, Rec. = 1.9 ft	24	18.0	0.4	51.9	47.7
		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	21	15.3	0.2	50.3	49.5
10		A-4, SiSa, brn, Moist, Rec. = 1.9 ft	28	14.5	1.2	55.0	43.8
		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	24	16.1	0.0	43.4	56.6
15		A-4, SaSi, gry, Moist, Rec. = 1.5 ft	14	16.9	0.8	47.6	51.6
		A-4, SiSa, gry, Moist, Rec. = 1.7 ft	30	16.5	0.1	50.3	49.6
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft	31	17.4	0.0	46.1	53.9
20		A-4, SaSi, gry, Moist, Rec. = 1.8 ft	14	15.1	1.1	26.6	72.3
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft	40	19.4	4.8	36.6	58.6
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft	17.2	17.2	24.9	43.8	31.3
25		Hole stopped @ 24.0 ft					
30							
35							
40							
45							

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



STATE OF VERMONT  
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BORING NUMBER: B-103  
 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 719161.29 ft E 1461806.74 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, SaSi, brn, Moist, Rec. = 1.6 ft	4	19.4	0.2	35.3	64.5
		A-4, SiSa, brn, Moist, Rec. = 1.9 ft	11	20.8	0.7	56.6	42.7
		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft	11	17.4	2.4	69.5	28.1
10		Field Note: No Recovery. Rock pieces in end of sampler.	54				
		A-4, Si, brn-gry, Wet, Rec. = 1.6 ft	20	20.1	0.1	17.5	82.4
15		Field Note: No Recovery.	30				
		A-4, SiSa, gry, Moist, Rec. = 1.6 ft	26	16.9	2.5	52.2	45.3
		A-4, SiSa, gry, Moist, Rec. = 1.6 ft	35	16.5	0.0	58.1	41.9
20		A-4, SiSa, gry, Moist, Rec. = 1.8 ft	28	17.7	0.7	54.9	44.4
		A-2-4, SiSa, gry, Wet, Rec. = 0.4 ft	10	30.8	5.6	59.3	35.1
25		Hole stopped @ 24.0 ft					
30							
35							
40							
45							

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



STATE OF VERMONT  
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BORING NUMBER: B-104  
 SHEET 1 of 1  
 DATE STARTED: 3/13/09  
 DATE COMPLETED: 3/13/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI  
 SITE NAME: I-89  
 STATION:  
 OFFSET:  
 VTSPG: N 719486.38 ft E 1462256.10 ft

PROJECT NUMBER: IM SCRP(3)  
 SITE NUMBER: CULVERT REPLACEMENT  
 GROUND ELEVATION:  
 GROUNDWATER DEPTH: Hole collapsed at 8.0 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									
10		A-4, SiSa, brn, Moist, Rec. = 1.2 ft	21	15.5	0.3	56.9	42.8		
10		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	11	16.7	1.2	44.0	54.8		
12		A-4, SaSi, brn, Moist, Rec. = 1.6 ft	25	15.0	0.9	46.4	52.7		
15		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	22	16.4	0.0	46.4	53.6		
17		A-4, SaSi, brn, Moist, Rec. = 1.9 ft, A very small layer of Clay was noticeable.	18	18.3	0.0	20.5	79.5		
18		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	14	19.2	0.0	30.9	69.1		
20		A-4, SiSa, gry, Wet, Rec. = 1.6 ft	19	21.8	0.2	61.7	38.1		
22		A-4, Si, gry, Moist, Rec. = 1.9 ft	10	22.5	0.0	10.8	89.2		
25		A-4, Si, gry, Moist, Rec. = 1.8 ft	10	24.3	0.0	3.6	96.4	28	2
26		A-4, Si, gry, Wet, Rec. = 1.5 ft	11	28.3	0.0	2.0	98.0	29	3
30		Hole stopped @ 28.0 ft							
35									
40									
45									

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



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BORING NUMBER: B-105  
 SHEET 1 of 1  
 DATE STARTED: 3/12/09  
 DATE COMPLETED: 3/13/09

PROJECT NAME: SOUTH BURLINGTON-WINOOSKI  
 SITE NAME: I-89  
 STATION:  
 OFFSET:  
 VTSPG: N 719486.04 ft E 1462226.87 ft

PROJECT NUMBER: IM SCRP(3)  
 SITE NUMBER: CULVERT REPLACEMENT  
 GROUND ELEVATION:  
 GROUNDWATER DEPTH: Hole collapsed at 6.0 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	[Hatched]	A-4, SaSi, brn, Moist, Rec. = 1.6 ft	8	21.9	5.3	24.1	70.6		
		A-4, SaSi, brn, Moist, Rec. = 1.6 ft	6	13.3	1.6	47.9	50.5		
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft	4	12.7	0.6	53.0	46.4		
		A-4, SaSi, brn, Moist, Rec. = 1.9 ft, A very small layer of Clay was noticeable.	17	14.4	0.1	36.4	63.5		
10	[Hatched]	A-4, SaSi, brn, Moist, Rec. = 1.7 ft	14	18.4	0.0	40.3	59.7		
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	15	15.1	0.3	46.9	52.8		
15	[Hatched]	A-4, SaSi, gry, Moist, Rec. = 2.0 ft	25	15.4	0.4	32.4	67.2		
		A-4, SaSi, gry, Moist, Rec. = 1.5 ft	9	19.6	0.0	24.3	75.7	24	1
		A-4, SaSi, gry, Wet, Rec. = 1.7 ft	15	21.8	0.5	42.6	56.9		
20	[Hatched]	A-4, SaSi, gry, Moist, Rec. = 1.7 ft	20	18.4	0.0	38.6	61.4		
		A-4, Si, gry, Moist, Rec. = 1.6 ft	20	23.6	0.0	4.1	95.9	30	5
		A-4, SiSa, gry, Moist, Rec. = 0.9 ft	10	18.3	0.0	57.4	42.6		
		A-4, CiSi, gry, Wet, Rec. = 1.1 ft	7	27.2	0.0	5.5	94.5	31	7
25	[Hatched]	A-4, Si, gry, Moist, Rec. = 1.9 ft	7	27.5	0.0	4.7	95.3	29	5
		A-4, Si, gry, Moist, Rec. = 1.6 ft	18	28.9	0.0	1.3	98.7	28	4
30		Hole stopped @ 28.0 ft							
35									
40									
45									

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



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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							
10		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
15		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
15		A-2-4, SiSa, gry, Wet, Rec. = 1.8 ft	26	18.3	0.5	65.1	34.4
20		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
20		A-4, SiSa, gry, Wet, Rec. = 1.6 ft	35	19.7	0.5	51.1	48.4
25		Hole stopped @ 24.0 ft					
30							
35							
40							
45							

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



STATE OF VERMONT  
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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).CPJ VT AOT.GDT 4/2/09



STATE OF VERMONT  
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 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
25		Hole stopped @ 24.0 ft					
30							
35							
40							
45							

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



STATE OF VERMONT  
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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									
9.8		A-4, SaSi, gry, Moist, Rec. = 1.8 ft	27	12.6	1.0	41.0	58.0		
10.5		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	23	12.1	0.8	49.1	50.1		
12.2		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	17	13.6	0.0	59.7	40.3		
14.1		A-4, SaSi, gry, Moist, Rec. = 1.9 ft	13	17.4	0.0	28.5	71.5		
16.0		A-4, SaSi, gry, Moist, Rec. = 2.0 ft	19	17.4	0.0	42.7	57.3		
17.9		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	11	17.6	0.5	42.5	57.0		
19.8		A-4, ClSi, gry, Moist, Rec. = 2.0 ft	10	28.0	0.0	3.7	96.3	36	10
21.7		A-4, ClSi, gry, Moist, Rec. = 1.7 ft	8	27.0	0.0	7.7	92.3	36	9
23.6		A-4, Si, gry, Moist, Rec. = 1.7 ft	11	25.2	0.0	4.6	95.4	31	3
26.0		Hole stopped @ 26.0 ft							
30									
35									
40									
45									

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



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
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 SUBSURFACE INFORMATION

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 (%)
5		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	3	20.1	5.4	67.2	27.4		
		A-2-4, Sa, brn, Moist, Rec. = 1.5 ft	6	10.3	4.6	75.5	19.9		
		A-2-4, Sa, brn, Moist, Rec. = 1.6 ft	4	11.7	3.6	78.1	18.3		
10		A-4, SaSi, brn, Wet, Rec. = 1.2 ft	3	22.8	2.3	24.3	73.4	25	2
		A-4, Si, gry, Wet, Rec. = 1.9 ft	2	30.4	0.0	0.6	99.4	27	3
		A-4, Si, gry, Wet, Rec. = 0.7 ft	2	28.3	0.0	2.3	97.7	25	1
		A-4, Si, gry, Wet, Rec. = 1.5 ft	3	27.9	0.0	1.0	99.0	28	2
15		A-4, Si, gry, Wet, Rec. = 1.7 ft	1	28.7	0.0	0.6	99.4	27	1
		Hole stopped @ 16.0 ft							
20									
25									
30									
35									
40									
45									

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

