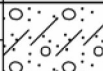
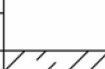


			STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: B-107 SHEET 1 of 1 DATE STARTED: 6/02/09 DATE COMPLETED: 6/02/09		
PROJECT NAME: WINOOSKI SITE NAME: I-89 NB STATION: 57+50 OFFSET: 42.00 VTSPG NAD83: N 727002.30 ft E 1464907.52 ft						PROJECT NUMBER: NH 089-3(65) SITE NUMBER: EXIT#15 OFF RAMP GROUND ELEVATION: 269.31 ft GROUNDWATER DEPTH: HOLE CAVED IN PROJECT PIN NUMBER: 94A198		
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: CEE		
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	
5		A-2-4, GrSa, bm, Wet, Rec. = 0.9 ft	6	17.4	23.3	64.8	11.9	
		A-2-4, SiSa, bm, Wet, Rec. = 0.4 ft	6	28.5	17.3	53.3	29.4	
		A-4, Si, gry, Wet, Rec. = 0.8 ft		24.2	0.0	13.3	86.7	
		A-4, Si, gry, Wet, Rec. = 1.1 ft	7	22.8	0.0	17.8	82.2	
		A-4, SaSi, gry, Wet, Rec. = 1.2 ft	6	20.3	0.0	44.6	55.4	
10		A-4, Si, gry, Wet, Rec. = 1.2 ft	2	26.3	0.0	19.8	80.2	
		A-4, Si, gry, Wet, Rec. = 1.4 ft	1	24.4	0.0	16.1	83.9	
		A-4, Si, gry, Wet, Rec. = 1.6 ft	1	27.7	0.0	6.8	93.2	
15		A-4, Si, gry, Wet, Rec. = 1.5 ft	1	29.1	0.0	3.8	96.2	
		A-4, Si, gry, Wet, Rec. = 2.0 ft	1	28.9	0.0	4.4	95.6	
		A-4, Si, gry, Wet, Rec. = 2.0 ft	4	24.8	0.0	7.3	92.7	
20		Hole stopped @ 20.0 ft						
25								
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35								

			STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: B-108 SHEET 1 of 1 DATE STARTED: 6/02/09 DATE COMPLETED: 6/02/09		
PROJECT NAME: WINOOSKI SITE NAME: I-89 NB STATION: 57+50 OFFSET: -32.00 VTSPG NAD83: N 727006.74 ft E 1464836.18 ft						PROJECT NUMBER: NH 089-3(65) SITE NUMBER: EXIT#15 OFF RAMP GROUND ELEVATION: 271.57 ft GROUNDWATER DEPTH: NONE TAKEN PROJECT PIN NUMBER: 94A198		
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: CEE		
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	
5		A-4, SaSi, brn, Moist, Rec. = 1.5 ft	2	19.2	0.4	32.1	67.5	
		A-4, SaSi, brn, Moist, Rec. = 1.4 ft	6	23.9	0.0	23.3	76.7	
10								
		A-4, Si, gry, Wet, Rec. = 1.1 ft	6	23.8	0.0	18.2	81.8	
15		A-4, Si, gry, Wet, Rec. = 1.5 ft	2	27.0	0.0	6.7	93.3	
20		A-4, Si, gry, Wet, Rec. = 2.0 ft	WH	23.9	0.0	7.3	92.7	
25		Hole stopped @ 22.0 ft						
		DRILLER'S NOTES: 1. Water table was at ground level.						
30								
35								

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-109 SHEET 1 of 1 DATE STARTED: 6/04/09 DATE COMPLETED: 6/04/09			
PROJECT NAME: WINOOSKI SITE NAME: I-89 NB STATION: 19+32 OFFSET: -6.00 VTSPG NAD83: N 727264.52 ft E 1465175.09 ft				PROJECT NUMBER: NH 089-3(65) SITE NUMBER: EXIT#15 OFF RAMP GROUND ELEVATION: 293.18 ft GROUNDWATER DEPTH: NONE TAKEN PROJECT PIN NUMBER: 94A198			
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: CEE			
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-2-4, SiGrSa with Cobbles, bm, Moist, Rec. = 0.8 ft	8	9.2	24.3	55.0	20.7
		A-2-4, GrSa with Cobbles, bm, Moist, Rec. = 1.1 ft. Broken rock was within sample.	37	5.1	33.9	49.3	16.8
		A-2-4, SiSa, bm, Moist, Rec. = 1.7 ft	6	11.3	3.7	63.1	33.2
		A-2-4, Sa, bm, Moist, Rec. = 1.5 ft	9	6.8	9.3	79.3	11.4
		A-2-4, SiSa, bm, Moist, Rec. = 2.0 ft	11	12.2	0.8	71.9	27.3
10							
15		A-4, SaSi, bm, Wet, Rec. = 1.4 ft	4	27.9	0.0	48.5	51.5
20							
		A-4, Si, gry, Wet, Rec. = 1.5 ft	5	26.8	0.0	20.0	80.0
Hole stopped @ 22.0 ft							
25							
30							
35							

LOG OF BORING: WINOOSKI NH 089-3(65) GPS VT AOT GSDT 7/20/09

PROJECT NAME: WINOOSKI	
PROJECT NUMBER: NH 089-3(65)	
FILE NAME: z94a198borlog.dgn	PLOT DATE: 2/22/2010
PROJECT LEADER: KEN UPMAL	DRAWN BY: A. ACHARYA
DESIGNED BY: A. ACHARYA	CHECKED BY: E. ATKINS
BORING LOGS SHEET 2	SHEET 41 OF 67