



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

BORING NUMBER: C-5  
 SHEET 1 of 1  
 DATE STARTED: 4/29/10  
 DATE COMPLETED: 4/30/10

PROJECT NAME: SOUTH BURLINGTON-COLCHESTER  
 SITE NAME: I-89  
 STATION: NB EMBANKMENT  
 OFFSET:  
 VTSPG NAD83: N 748894.81 ft E 1461743.25 ft

PROJECT NUMBER: IM CULV(23)  
 SITE NUMBER:  
 GROUND ELEVATION: 121.1 ft  
 GROUNDWATER DEPTH: NOT TAKEN  
 PROJECT PIN NUMBER: 09A046

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: PORTER

BORING RIG: CME 45C TRACK AUTO  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	2	16.2	0.7	67.0	32.3		
5		A-4, SaSi, gry, Moist, Rec. = 0.4 ft	16	22.7	2.1	27.0	70.9	30	6
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft		16.2	0.8	70.9	28.3		
		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	24	18.3	2.2	66.1	31.7		
10		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	12	20.2	6.2	65.5	28.3		
		A-2-4, SiSa, gry, Moist, Rec. = 1.5 ft	14	18.6	5.8	72.4	21.8		
15		A-2-4, SiSa, gry, Moist, Rec. = 1.5 ft	15	18.8	3.8	73.2	23.0		
		A-4, SiSa, gry, Moist, Rec. = 1.9 ft	14	21.0	2.9	48.8	48.3		
		A-4, SaSi, gry, Moist, Rec. = 1.3 ft	10	29.6	1.0	32.7	66.3		
20		A-4, Si, gry, Moist, Rec. = 1.5 ft	7	31.5	0.0	18.1	81.9		
		A-4, Si with Trace of Organics (2.9%), gry, Moist, Rec. = 1.3 ft	7	24.4	0.0	17.4	82.6		
25		A-4, Si, gry, Moist, Rec. = 1.4 ft	6	28.5	0.0	15.7	84.3		
		Hole stopped @ 27.0 ft							
30		DRILLER'S NOTES: 1. No ledge to depth. 2. Hole was sealed with cement grout to depth. 3. The hammer energy correction factor, $c_c$ for the CME 45 Track Rig used in this investigation is 1.34. The N values provided on the boring logs are raw values and have not been corrected.							

LOG OF BORING SOUTH BURLINGTON-COLCHESTER IM CULV(23).GPI VT AOT.GDT 5/28/10