

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-101 SHEET 1 of 1 DATE STARTED: 10/26/06 DATE COMPLETED: 10/26/06					
PROJECT NAME: SOUTH BURLINGTON		PROJECT NUMBER: IM CULV(9)		SITE NUMBER: MM 88.1					
SITE NAME: I-89		STATION: 214+62.83		GROUND ELEVATION:					
OFFSET: 91.56		VTSPG: N 715591.28 ft E 1461610.91 ft		GROUNDWATER DEPTH: Hole caved in.					
BORING CREW		BORING RIG: LAG TRACK RIG w/AUTO HAMMER		PROJECT PIN NUMBER: 06A136					
CREW CHIEF: HOLT		BORING TYPE: HOLLOW STEM AUGER		SAMPLE TYPE: SPLIT BARREL					
DRILLER: GARROW		CHECKED BY: CAA							
LOGGER: WERNER									
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
292.0		A-2-4, GrSa, brn, Moist, Rec. = 0.6 ft	16	10.4	27.9	54.2	17.9		
		Visual Class: A-2-4, SoSiGr, brn, Moist, Rec. = 0.1 ft	7						
		No Recovery, Rock in end of sampler., 4.0 ft - 6.0 ft	3						
5		A-2-4, SiSa, gry, Moist, Rec. = 0.6 ft	2	24.1	5.1	69.6	25.3	24	2
		A-4, Si, gry, Moist, Rec. = 0.9 ft		31.3	0.0	6.5	93.5		
		A-4, Si, gry, Wet, Rec. = 1.2 ft	2	31.4	0.3	11.1	88.6	25	3
10		No Recovery, Rock in end of sampler., 10.0 ft - 12.0 ft	2						
		A-4, Si, gry, Wet, Rec. = 2.0 ft	2	30.8	0.0	1.3	98.7	28	5
15		A-6, SiCl, gry, Wet, Rec. = 2.0 ft	1	35.7	0.0	1.6	98.4	32	11
20		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	1	61.2	0.0	4.8	95.2	65	38
25		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	1	65.4	0.0	1.9	98.1	68	39
30		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	1	59.5	0.6	4.2	95.2	64	38
35		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	WH	43.6	0.2	4.7	95.1	45	24
		Hole stopped @ 37.0 ft							
		DRILLER'S NOTES: 1. Hole stopped at 37.0 feet on possible Boulder or ledge. 2. The Kelly Bar broke on the drill rig when we reached 37.0 feet.							
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VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-102 SHEET 1 of 1 DATE STARTED: 10/31/06 DATE COMPLETED: 10/31/06					
PROJECT NAME: SOUTH BURLINGTON		PROJECT NUMBER: IM CULV(9)		SITE NUMBER: MM 88.1					
SITE NAME: I-89		STATION: 214+54.01		GROUND ELEVATION:					
OFFSET: -1.50		VTSPG: N 715571.69 ft E 1461519.51 ft		GROUNDWATER DEPTH: Hole caved in.					
BORING CREW		BORING RIG: LAG TRACK RIG w/AUTO HAMMER		PROJECT PIN NUMBER: 06A136					
CREW CHIEF: GARROW		BORING TYPE: HOLLOW STEM AUGER		SAMPLE TYPE: SPLIT BARREL					
DRILLER: GARROW		CHECKED BY: CAA							
LOGGER: WERNER									
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
299.0		A-4, SiSa, brn, Moist, Rec. = 1.1 ft	3	20.0	0.4	58.5	41.1		
5		A-4, SiSa, gry-brn, Moist, Rec. = 1.7 ft	13	21.5	0.1	54.3	45.6		
10		A-4, SoSi, gry, Moist, Rec. = 1.8 ft	6	28.1	0.1	40.9	59.0		
15		A-2-4, SiSa, gry, Moist, Rec. = 0.6 ft	3	25.1	0.5	73.4	26.1		
20		A-2-4, Sa, gry, MTW, Rec. = 0.5 ft	WH	25.2	2.9	78.1	19.0	29	5
		A-4, Si, gry, MTW, Rec. = 1.5 ft		32.6	0.0	1.0	99.0		
25		A-6, Cl, gry, MTW, Rec. = 1.8 ft	WH	41.5	0.0	6.1	93.9	39	20
30		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	WH	55.4	3.6	15.0	81.4	53	30
35		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	WH	68.8	0.7	5.0	94.3	70	41
40		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	WH	47.9	0.5	5.8	93.7	49	27
		Hole stopped @ 42.0 ft							
		DRILLER'S NOTES: 1. No Ground Water Elevation. Hole caved in.							
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VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-103 SHEET 1 of 1 DATE STARTED: 11/01/06 DATE COMPLETED: 11/01/06					
PROJECT NAME: SOUTH BURLINGTON		PROJECT NUMBER: IM CULV(9)		SITE NUMBER: MM 88.1					
SITE NAME: I-89		STATION: 214+33.44		GROUND ELEVATION:					
OFFSET: -85.37		VTSPG: N 715541.50 ft E 1461438.60 ft		GROUNDWATER DEPTH: 3.9 ft 11/01/06					
BORING CREW		BORING RIG: LAG TRACK RIG w/AUTO HAMMER		PROJECT PIN NUMBER: 06A136					
CREW CHIEF: GARROW		BORING TYPE: HOLLOW STEM AUGER		SAMPLE TYPE: SPLIT BARREL					
DRILLER: GARROW		CHECKED BY: CAA							
LOGGER: WERNER									
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
295.0		A-4, SiSa, brn, Moist, Rec. = 1.3 ft	5	32.2	0.5	60.7	38.8		
		A-4, SiSa, brn, Moist, Rec. = 0.8 ft	2	27.8	1.7	59.6	38.7		
5		A-4, SiSa, brn, Wet, Rec. = 0.4 ft	WH	29.1	0.7	52.6	46.7		
		A-4, SiSa, gry, Wet, Rec. = 1.1 ft	5	27.0	0.9	50.8	48.3		
		A-4, SoSi, gry, Wet, Rec. = 1.0 ft	2	30.3	0.0	23.7	76.3		
10		A-4, Si, gry, Wet, Rec. = 1.2 ft	WH	33.6	0.0	5.2	94.8	27	4
15		A-4, Si, gry, Wet, Rec. = 1.7 ft	WH	32.4	0.0	1.5	98.5	28	3
20		A-4, ClSi, gry, Wet, Rec. = 2.0 ft	WH	34.5	0.0	0.6	99.4	31	8
25		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	WH	48.3	0.0	6.1	93.9	55	32
30		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	WH	65.8	-1.1	3.8	95.1	73	45
35		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	WH	48.7	0.0	2.1	97.9	57	30
40		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	WH	51.4	0.0	2.4	97.6	54	31
		Hole stopped @ 42.0 ft							
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STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	S. BURLINGTON	Bridge No.	67-1
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 OVER POTASH BROOK TRIBUTARY			
BORING LOGS			
Designed By	VTRANS/LKW	Drawn By	SFD
Checked By	RLJ	Bridge Design Supervisor	TTK
Date	09/07	Date	09/07
PROJECT	SOUTH BURLINGTON	PROJECT NO.	AC IM CULV (9)
I.G.C. Info. m:\656310 I-89 Culvert\BRIDGE\2Cadd\41Inal-pre\mz05k286LOG.dgn			
Bridge Sheet No.		Sheet	49 of 63



PLOTTED DATE: 11/29/06