

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-1 SHEET 1 of 1 DATE STARTED: 1/26/06 DATE COMPLETED: 2/08/06					
PROJECT NAME: RANDOLPH SITE NAME: TH-64 STATION: 100+81.0 OFFSET: -1.00 VTSPG: N 520679.569 ft E 1625838.865 ft		PROJECT NUMBER: BHO 1444(44) SITE NUMBER: Braley Covered Bridge GROUND ELEVATION: 579.4 ft GROUNDWATER DEPTH: 10.3 ft 2/08/06					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: DAVISON		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
0		A-1-b, SiGrSa, brn, Moist, Rec. = 2.0 ft, Frozen material	R	11.8	31.1	45.3	23.6
2		A-1-b, GrSiSa, brn, Moist, Rec. = 1.4 ft	27	13.4	24.5	50.2	25.3
4		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft	11	6.7	29.0	50.3	20.7
6		A-1-b, SiGrSa, brn, Moist, Rec. = 1.45 ft	10	11.1	23.5	56.3	20.2
8		A-2-4, SiSa, brn, Moist, Rec. = 2.0 ft	8	24.3	10.4	57.5	32.1
10		A-1-b, GrSa, brn, Wet, Rec. = 0.8 ft	9	18.9	24.4	61.9	13.7
12		A-1-b, SaGr, brn, MTW, Rec. = 0.8 ft	10	16.4	43.8	43.0	13.2
14		No Recovery, 14.0 ft - 16.0 ft	8				
16		No Recovery, 16.0 ft - 18.0 ft	18				
18		A-4, Si, gry, Moist, Rec. = 1.05 ft, Sample tested "NP" for Limits	10	32.5	0.0	1.7	98.3
20		A-4, Si, gry, Moist, Rec. = 1.7 ft, Sample tested "NP" for Limits	10	27.5	0.0	12.1	87.9
22		A-4, SiSa, brn-gry, Moist, Rec. = 1.0 ft	10	24.5	2.7	54.0	43.3
24		A-2-4, Sa, brn, MTW, Rec. = 1.2 ft	8	24.8	8.3	76.9	14.8
26		A-2-4, Sa, brn, MTW, Rec. = 1.15 ft	17	23.6	9.9	73.2	16.9
28		A-2-4, SiSa, brn, MTW, Rec. = 1.4 ft, Started using drillers mud	16	24.4	7.8	64.0	28.2
30		A-4, SiSa, brn-gry, Moist, Rec. = 1.3 ft	17	20.1	0.1	54.6	45.3
32		A-2-4, SiSa, gry, Moist, Rec. = 1.0 ft	9	22.3	0.8	66.4	32.8
34		Top of Bedrock @ 53.5 ft	1	70	44	35	6
36		Gray, Meta-Limestone, with interbedded phyllite. Moderately hard. Drilling breaks from 55.5 feet to 56.2 feet. Intact rock is unweathered. Rock fragments from 55.5 feet to 56.2 feet are slightly weathered. Poor competency., Moderately hard, NXMDC, 53.5 ft - 58.5 ft, Rec. = 3.5 ft	2	100	60	40	5
38		Gray, Phyllite, Fair competency., Moderately soft, Slightly weathered, NXMDC, 58.5 ft - 59.5 ft, Rec. = 1.0 ft	3	100	100	40	6
40		Gray, Meta-Limestone, with interbedded phyllite. Competent., Moderately hard, Unweathered, NXMDC, 59.5 ft - 61.5 ft, Rec. = 2.0 ft					7
42		Hole stopped @ 61.5 ft					18
44							13
46							17

LOG OF BORING: RANDOLPH BHO 1444(44).GPJ VT AOT.GDT 3/23/06

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-2 SHEET 1 of 1 DATE STARTED: 2/09/06 DATE COMPLETED: 2/14/06					
PROJECT NAME: RANDOLPH SITE NAME: TH-64 STATION: 100+96.0 OFFSET: 5.00 VTSPG: N 520670.311 ft E 1625851.411 ft		PROJECT NUMBER: BHO 1444(44) SITE NUMBER: Braley Covered Bridge GROUND ELEVATION: 580.83 ft GROUNDWATER DEPTH: 10.0 ft 2/14/06					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: DAVISON		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
0		A-1-b, SiGrSa, brn-gry, Moist, Rec. = 0.7 ft, Material was frozen.	R	12.3	27.4	47.5	25.1
2		4.3 ft - 5.0 ft, Cleaned out casing	7	18.6	19.6	53.1	27.3
4		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft					
6		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft	6	19.6	27.8	48.5	23.7
8		12.0 ft - 14.0 ft, Cobble stones					
10		No Recovery. Trace of sand in sampler, brn, Moist, 15.0 ft - 17.0 ft	11				
12		A-2-4, SiSa, brn, MTW, Rec. = 1.2 ft	11	25.9	3.7	67.2	29.1
14		A-2-4, Sa, brn, MTW, Rec. = 0.9 ft, Some fine graded broken rock material was within sample.	12	18.3	2.0	81.9	16.1
16		No Recovery. Appears to be fine sand, 30.0 ft - 32.0 ft	16				
18		A-1-b, Sa, gry-brn, MTW, Rec. = 1.4 ft	13	19.7	4.3	80.1	15.6
20		37.0 ft - 40.0 ft, Casing plugged up, Started using mud, Lost our water					
22		A-2-4, SiSa, gry-brn, MTW, Rec. = 1.2 ft	18	19.8	1.6	68.9	29.5
24		A-4, SiSa, gry, MTW, Rec. = 1.1 ft	18	19.1	7.2	55.8	37.0
26		Top of Bedrock @ 50.25 ft	R	94	86	40	14
28		Gray, Meta-Limestone, with thin phyllite beds. Competent., Medium hard, Unweathered, NXMDC, 50.25 ft - 55.25 ft, Rec. = 4.7 ft	1				18
30		Hole stopped @ 55.25 ft					14
32							12
34							11

BOTTOM OF ABUTMENT NO 1  
TREMIE SEAL EL=559.00

LOG OF BORING: RANDOLPH BHO 1444(44).GPJ VT AOT.GDT 3/23/06

PROJECT NAME: RANDOLPH  
PROJECT NUMBER: BHO 1444 (44)  
FILE NAME: z04j146bor1.dgn  
PROJECT LEADER: S. HODGDON  
DESIGNED BY: VTRANS  
BORING LOG SHEET (1 OF 2)

PLOT DATE: 26-JUN-2007  
DRAWN BY: K. WENTWORTH  
CHECKED BY: S. HODGDON  
SHEET 22 OF 39

