



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 (%)				
		A-1-b, SiGrSa, brn, Moist, Rec. = 2.0 ft, Frozen material	R	11.8	31.1	45.3	23.6	
		A-1-b, GrSiSa, brn, Moist, Rec. = 1.4 ft	27	13.4	24.5	50.2	25.3	
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft	11	6.7	29.0	50.3	20.7	
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.45 ft	10	11.1	23.5	56.3	20.2	
		A-2-4, SiSa, brn, Moist, Rec. = 2.0 ft	8	24.3	10.4	57.5	32.1	
		A-1-b, GrSa, brn, Wet, Rec. = 0.8 ft	9	18.9	24.4	61.9	13.7	
		A-1-b, SaGr, brn, MTW, Rec. = 0.8 ft	10	16.4	43.8	43.0	13.2	
		No Recovery, 14.0 ft - 16.0 ft	8					
		No Recovery, 16.0 ft - 18.0 ft	18					
		A-4, Si, gry, Moist, Rec. = 1.05 ft, Sample tested "NP" for Limits	10	32.5	0.0	1.7	98.3	
		A-4, Si, gry, Moist, Rec. = 1.7 ft, Sample tested "NP" for Limits	10	27.5	0.0	12.1	87.9	
		A-4, SiSa, brn-gry, Moist, Rec. = 1.0 ft	10	24.5	2.7	54.0	43.3	
		A-2-4, Sa, brn, MTW, Rec. = 1.2 ft	8	24.8	8.3	76.9	14.8	
		A-2-4, Sa, brn, MTW, Rec. = 1.15 ft	17	23.6	9.9	73.2	16.9	
		A-2-4, SiSa, brn, MTW, Rec. = 1.4 ft, Started using drillers mud	16	24.4	7.8	64.0	28.2	
		A-4, SiSa, brn-gry, Moist, Rec. = 1.3 ft	17	20.1	0.1	54.6	45.3	
		A-2-4, SiSa, gry, Moist, Rec. = 1.0 ft	9	22.3	0.8	66.4	32.8	
		Top of Bedrock @ 53.5 ft						
		Gray, Meta-Limestone, with interbedded phyllite. Moderately hard. Drilling breaks from 53.5 feet to 56.2 feet. Intact rock is unweathered. Rock fragments from 53.5 feet to 56.2 feet are slightly weathered. Poor competency., Moderately hard, NXMDC, 53.5 ft - 58.5 ft, Rec. = 3.5 ft	1	70	44	35	6	
		Gray, Phyllite, Fair competency., Moderately soft, Slightly weathered, NXMDC, 58.5 ft - 59.5 ft, Rec. = 1.0 ft	2	100	60	40	18	
		Gray, Meta-Limestone, with interbedded phyllite. Competent., Moderately hard, Unweathered, NXMDC, 59.5 ft - 61.5 ft, Rec. = 2.0 ft	3	100	100	40	13	
		Hole stopped @ 61.5 ft					7	

LOG OF BORING: RANDOLPH BHO 1444(44)SP1 VT A07.GBT 3/23/06



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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 (%)				
		A-1-b, SiGrSa, brn-gry, Moist, Rec. = 0.7 ft, Material was frozen.	R	12.3	27.4	47.5	25.1	
		4.3 ft - 5.0 ft, Cleaned out casing	7	18.6	19.6	53.1	27.3	
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft						
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft	6	19.6	27.8	48.5	23.7	
		12.0 ft - 14.0 ft, Cobble stones						
		No Recovery, Trace of sand in sampler, brn, Moist, 15.0 ft - 17.0 ft	11					
		A-2-4, SiSa, brn, MTW, Rec. = 1.2 ft	11	25.9	3.7	67.2	29.1	
		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	
		No Recovery, Appears to be fine sand, 30.0 ft - 32.0 ft	16					
		A-1-b, Sa, gry-brn, MTW, Rec. = 1.4 ft	13	19.7	4.3	80.1	15.6	
		37.0 ft - 40.0 ft, Casing plugged up, Started using mud, Lost our water						
		A-2-4, SiSa, gry-brn, MTW, Rec. = 1.2 ft	18	19.8	1.6	68.9	29.5	
		A-4, SiSa, gry, MTW, Rec. = 1.1 ft	18	19.1	7.2	55.8	37.0	
		Top of Bedrock @ 50.25 ft						
		50.0 ft - 50.25 ft, No Rec., Hit Bedrock	R	94	86	40	14	
		Gray, Meta-Limestone, with thin phyllite beds. Competent., Medium hard, Unweathered, NXMDC, 50.25 ft - 55.25 ft, Rec. = 4.7 ft	1				18	
		Hole stopped @ 55.25 ft					14	
							12	
							11	

LOG OF BORING: RANDOLPH BHO 1444(44)SP1 VT A07.GBT 3/23/06

PROJECT NAME: RANDOLPH
PROJECT NUMBER: BHO 1444(50)

FILE NAME: s06j094bor.dgn
PROJECT LEADER: J. WEAVER
DESIGNED BY:
BORING LOGS - SHEET 1

PLOT DATE: 17-JAN-2007
DRAWN BY: D. GELFENBEIN
CHECKED BY:
SHEET 15 OF 18