

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: BB-DMB-102 SHEET 1 of 3 DATE STARTED: 11/05/12 DATE COMPLETED: 11/06/12		
PROJECT NAME: CLD Dish Mill Brook Bridge SITE NAME: Burke, VT STATION: 25+54 OFFSET: 9 LT VTSPG: N 761633.00 ft E 1785127.00 ft				PROJECT NUMBER: 123-87446 SITE NUMBER: Burke BHF-0269(13) GROUND ELEVATION: 827.5 ft GROUNDWATER DEPTH: 11.0 ft 11/06/12 PROJECT PIN NUMBER:			
BORING CREW: DRILLER: W. Hoeckle LOGGER: N. Chinburg BORING RIG: Diedrich D-50 Track				BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: CHECKED BY:			
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
		0.0 ft - 0.5 ft, Asphalt					
2.5		1.5 ft - 3.5 ft, A-1-B, SiGrSa, Dark brown, Moist, Rec. = 1.67 ft	NA (25)				
5.0		4.0 ft - 6.0 ft, A-1-B, SiGrSa, Light brown, Moist, Rec. = 1.33 ft	NA (13)				
7.5		6.0 ft - 8.0 ft, A-2-4, GrSiSa, brown, Moist, Rec. = 1.33 ft	NA (13)		8.0	79.0	13.0
		8.5 ft - 9.0 ft, Gravel zone based on drill behavior	NA (84)				
10.0		9.0 ft - 11.0 ft, A-1-B, SiGrSa, gray-brown, Saturated, Rec. = 1.08 ft					
15.0		14.3 ft - 16.3 ft, A-1-B, SiGrSa, Dark brown, Saturated, Rec. = 1.08 ft	NA (17)				
20.0		19.0 ft - 21.0 ft, A-1-B, SiGrSa, gray-brown, Saturated, Rec. = 1.0 ft	NA (43)	13.0	24.0	70.0	6.0
22.5		24.0 ft - 26.0 ft, A-2-4, GrSa, gray, Saturated, Rec. = 0.92 ft	NA (34)				

BOTTOM OF ABUT. I
EL. 820.0'

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: BB-DMB-102 SHEET 2 of 3 DATE STARTED: 11/05/12 DATE COMPLETED: 11/06/12		
PROJECT NAME: CLD Dish Mill Brook Bridge SITE NAME: Burke, VT STATION: 25+54 OFFSET: 9 LT VTSPG: N 761633.00 ft E 1785127.00 ft				PROJECT NUMBER: 123-87446 SITE NUMBER: Burke BHF-0269(13) GROUND ELEVATION: 827.5 ft GROUNDWATER DEPTH: 11.0 ft 11/06/12 PROJECT PIN NUMBER:			
BORING CREW: DRILLER: W. Hoeckle LOGGER: N. Chinburg BORING RIG: Diedrich D-50 Track				BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: CHECKED BY:			
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
27.5		29.0 ft - 31.0 ft, A-4, SiSa, gray-brown, Saturated, Rec. = 1.08 ft	NA (35)				
32.5		31.0 ft - 34.0 ft, Zone of fine sand based on cuttings					
35.0		34.0 ft - 36.0 ft, A-4, SaSi, brown, Saturated, Rec. = 1.16 ft	NA (20)	27.1	0.0	26.0	74.0
40.0		39.0 ft - 41.0 ft, A-4, Sa, Light brown, Saturated, Low recovery, suspected wash., Rec. = 0.16 ft	NA (29)				
45.0		44.0 ft - 46.0 ft, A-4, Sa, brown, Saturated, Rec. = 0.67 ft	NA (41)				
47.5		46.0 ft - 49.0 ft, Driller noted artesian conditions					
		49.0 ft - 51.0 ft, A-4, Sa, gray-brown, Saturated, Rec. = 0.5 ft	NA (57)				

APPROX. PILE TIP
EL. 772.0'

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PROJECT NAME: CLD Dish Mill Brook Bridge SITE NAME: Burke, VT STATION: 25+54 OFFSET: 9 LT VTSPG: N 761633.00 ft E 1785127.00 ft				PROJECT NUMBER: 123-87446 SITE NUMBER: Burke BHF-0269(13) GROUND ELEVATION: 827.5 ft GROUNDWATER DEPTH: 11.0 ft 11/06/12 PROJECT PIN NUMBER:			
BORING CREW: DRILLER: W. Hoeckle LOGGER: N. Chinburg BORING RIG: Diedrich D-50 Track				BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: CHECKED BY:			
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
52.5		54.0 ft - 55.1 ft, A-1-B, SiGrSa, Light brown, Saturated, Rec. = 0.75 ft					
55.0		55.1 ft - 57.0 ft, Advanced roller cone to confirm bedrock.	NA (Refusal)				Top of Bedrock @ 55.1 ft
57.5		R1: 57.0 ft - 62.0 ft, Rec. = 5.0 ft, Light gray, Schist, R1: Light gray (N6) to light brownish gray (5 YR 6/1), very fine to fine grained, slightly weathered, strong (R4), biotite-muscovite-quartz SCHIST; strongly foliated/banded; discontinuities very close to closely spaced, generally parallel to foliation, dipping 35-45 degrees, planar to irregular, rough, light to open. Minor pyrite and calcite on surfaces. Thin calcite veins parallel to foliation up to 0.25 inches thick. Rock Mass Quality = Fair (Waits River Formation) NQ core size	R1	100	1400	5:00, 5:10, 4:30, 6:45, 10:30	
62.5		Hole stopped @ 62.0 ft					



PROJECT NAME: BURKE
PROJECT NUMBER: BRF 0269(13)

FILE NAME: I0c412/cos/z10c412bor.dgn PLOT DATE: 10/14/2014
PROJECT LEADER: J. BYATT DRAWN BY: M. SMITH
DESIGNED BY: S. BEAUMONT CHECKED BY: J. BYATT
BORING LOGS (2 OF 5) SHEET 30 OF 73