

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-102 SHEET 1 of 3 DATE STARTED: 2/13/13 DATE COMPLETED: 2/14/13							
PROJECT NAME: CLD Roaring Brook Bridge		PROJECT NUMBER: 123-87464							
SITE NAME: Barton, VT		SITE NUMBER: BRO 1449(31)							
STATION: 42+91.5		GROUND ELEVATION: 1139.0 ft							
OFFSET: RT 4.5'		GROUNDWATER DEPTH: 5.4 ft 2/14/13							
VTSPG: N 816192.00 ft E 1714718.00 ft		PROJECT PIN NUMBER: Barton, VT TH 2 BR 8							
BORING CREW: DRILLER: P. LaBoissier LOGGER: N. Chinburg BORING RIG: Mobile B-47 Truck		BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: CHECKED BY: MRH							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		0.0 ft - 0.5 ft, Asphalt.							
5		1.0 ft - 1.3 ft, A-1-B, GrSa, Dark brown, moist, very dense, fine to coarse SAND and GRAVEL (GW) [Sample 1D], Rec. = 0.25 ft	100/3* (R)						
		2.0 ft - 2.4 ft, A-2-4, GrSa, Dark brown, moist, very dense, fine to medium SAND, trace coarse sand and gravel (SP) [Sample 2D], Rec. = 0.42 ft	38-36-13-9 (R)						
		3.0 ft - 5.0 ft, A-2-4, GrSaSi, Brown, moist, dense, fine to coarse SAND, more fine sand with depth (SP) [Sample 3D], Rec. = 1.0 ft	9-11-5-10 (49)						
		5.0 ft - 7.0 ft, A-2-4, GrSaSi, Brown, moist, compact, fine to coarse SAND, some gravel (SP) [Sample 4D], Rec. = 0.92 ft							
		7.0 ft - 9.0 ft, Wash in spoon, otherwise no recovery [Sample 5D].							
10		9.0 ft - 11.0 ft, A-6, Cl, Gray, wet, stiff, CLAY, some fine sand, low plasticity, sand in ~1mm lenses (CL) [Sample 6D], Rec. = 1.5 ft	2-3-8-17 (11)	21.0				25	11
15		14.0 ft - 16.0 ft, A-4, ClSi, Gray, wet, very stiff, clayey SILT, trace fine sand, low plasticity (ML) [Sample 7D], Rec. = 1.25 ft	11-10-10-8 (20)						
20		19.0 ft - 21.0 ft, A-4, SaSi, Gray, wet, very dense, SILT, some fine sand (ML) [Sample 8D], Rec. = 1.08 ft	24-32-35-41 (67)		0.0	5.7	94.3		
25		24.0 ft - 26.0 ft, A-4, SaSi, Gray, wet, very dense, sandy SILT (ML) [Sample 9D], Rec. = 1.25 ft	21-36-41-52 (77)						
		28.0 ft - 28.5 ft, Cobble based on drill behavior.							
		29.0 ft - 31.0 ft, Some wash in tip of spoon, otherwise no recovery [Sample 10D], Rec. = 0.0 ft	58-100/5* (R)						

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OFFSET: RT 4.5'		GROUNDWATER DEPTH: 5.4 ft 2/14/13							
VTSPG: N 816192.00 ft E 1714718.00 ft		PROJECT PIN NUMBER: Barton, VT TH 2 BR 8							
BORING CREW: DRILLER: P. LaBoissier LOGGER: N. Chinburg BORING RIG: Mobile B-47 Truck		BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: CHECKED BY: MRH							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
35		34.0 ft - 36.0 ft, A-4, SaSi, Gray, wet, very dense, SILT, trace fine sand (ML) [Sample 11D], Rec. = 1.25 ft	12-30-29-55 (59)		0.6	3.8	95.6		
40		39.0 ft - 41.0 ft, A-6, Cl, Gray, wet, hard, interbedded CLAY and SILT in 1-2" layers, low plasticity (CL-ML) [Sample 12D], Rec. = 1.5 ft	14-20-27-31 (47)						
45		44.0 ft - 46.0 ft, A-6, Cl, Gray, wet, hard, CLAY, some fine sand, low plasticity, sand in ~1mm layers, (CL) [Sample 13D], Rec. = 1.42 ft	10-15-21-23 (36)						
50		49.0 ft - 51.0 ft, A-4, ClSi, Gray, wet, hard, clayey SILT, low plasticity (ML) [Sample 14D], Rec. = 1.75 ft	15-20-23-27 (43)						

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SITE NAME: Barton, VT		SITE NUMBER: BRO 1449(31)							
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65		61.0 ft, No samples collected 51-79 ft.							
75									
80		79.0 ft, Tri-cone refusal, possible bedrock. Backfilled with cuttings and sealed with cold patch asphalt upon completion. Hole stopped @ 79.0 ft							

BOTTOM OF ABUT. 1
EL. 1130.0'

APPROX. PILE TIP
EL. 1060.0'

LOG OF BORING & WELL: CLD BARTON BRIDGE GPJ, VT AOT, GDT, 8/25/14

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PROJECT NAME: BARTON	PROJECT NUMBER: BRO 1449(31)
FILE NAME: I1J068/cos/z11J068bor.dgn	PLOT DATE: 12/17/2014
PROJECT LEADER: J. BYATT	DRAWN BY: M. SMITH
DESIGNED BY: S. BEAUMONT	CHECKED BY: J. BYATT
BORING LOGS (2 OF 4)	SHEET 24 OF 52

