

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-104 SHEET 1 of 2 DATE STARTED: 2/13/13 DATE COMPLETED: 2/13/13					
PROJECT NAME: CLD Roaring Brook Bridge		PROJECT NUMBER: 123-87464		SITE NUMBER: BRO 1449(31)					
SITE NAME: Barton, VT		GROUND ELEVATION: 1139.0 ft		GROUNDWATER DEPTH: NM					
STATION: 43+63.0		PROJECT PIN NUMBER: Barton, VT TH 2 BR 8							
OFFSET: RT 2.5'									
VTSPG: N 816240.00 ft E 1714771.00 ft									
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		0.0 ft - 0.5 ft. Asphalt.							
1.0		1.0 ft - 1.5 ft. A-1-B, GrSa, Brown, moist, very dense, fine to coarse SAND and GRAVEL (GW) [Sample 1D], Rec. = 0.5 ft	120 (R)						
3.0		3.0 ft - 5.0 ft. A-4, GrSaSi, Brown-gray, wet, very dense, fine SAND and SILT, some clay, some coarse sand and fine gravel, clay in ~1-2" layer near bottom of spoon (ML) [Sample 2D], Rec. = 1.17 ft	50-42-22-7 (64)		0.9	42.2	56.9		
5.0		5.0 ft - 6.3 ft. A-4, GrSaSi, Brown-gray, wet, compact, fine SAND, some silt, trace gravel, trace organics (wood) (SM) [Sample 3D], Rec. = 0.92 ft	9-10-100/3" (R)						
6.3		6.3 ft - 7.0 ft. Cobble based on drill behavior.							
9.0		9.0 ft - 9.4 ft. A-4, SaSi, Brown, wet, compact, fine SAND and SILT, trace gravel (SM) [Sample 4D - Top 5"], Rec. = 1.5 ft	7-10-17-22 (27)						
9.4		9.4 ft - 11.0 ft. A-7-5, SiCl, Gray, wet, very stiff, CLAY, some silt, low plasticity (CL) [Sample 4D - Bottom 13"]							
14.0		14.0 ft - 16.0 ft. A-7-5, SiCl, Gray, wet, very stiff, silty CLAY, ~1mm lenses of fine sand, low plasticity (CL) [Sample 5D], Rec. = 1.67 ft	9-8-9-11 (17)	31.0				50	28
19.0		19.0 ft - 20.0 ft. Boulder based on drill behavior., Rec. = 0.0 ft	50/0" (R)						
24.0		24.0 ft - 25.5 ft. Broken rock in spoon tip, no recovery, possibly pushing cobble [Sample 6D], Rec. = 0.08 ft	49-37-63-40/2" (R)						
25.5		25.5 ft - 28.5 ft. Cored through nested boulders.							
29.0		29.0 ft - 29.4 ft. A-4, SiSa, Brown-gray, wet, very dense, fine SAND and SILT (ML) [Sample 7D], Low recovery.	100/5" (R)						

BOTTOM OF ABUT. 2
EL. 1130.0'

LOG OF BORING & WELL: CLD BARTON BRIDGE GPR, VT, A01, GDT, 02/13/14

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DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		broken rock pieces in spoon tip., Rec. = 0.25 ft							
		29.4 ft - 32.0 ft. Boulder based on drill behavior. Hole collapsed to 28 ft.							
34.0		34.0 ft - 36.0 ft. A-6, SiCl, Gray, wet, hard, CLAY, some fine sand, trace coarse gravel, low plasticity, sand in ~1mm layers (CL) [Sample 8D], Rec. = 0.67 ft	19-15-20-62 (35)	21.0				36	17
37.0		37.0 ft - 38.0 ft. Boulder based on drill behavior.							
39.0		39.0 ft - 41.0 ft. A-6, SiSa, Gray, wet, fine SAND, some silt (ML) [Sample 9D], Rec. = 0.67 ft	33-53-64-75/1" (R)						
41.0		41.0 ft. Completed hole at 41 ft - bgs in soil. Backfilled with cuttings and sealed with cold patch asphalt upon completion. Hole stopped @ 41.0 ft							

LOG OF BORING & WELL: CLD BARTON BRIDGE GPR, VT, A01, GDT, 02/13/14

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 (4 OF 4)	SHEET 26 OF 52

