

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-103 SHEET 1 of 3 DATE STARTED: 2/12/13 DATE COMPLETED: 2/12/13							
PROJECT NAME: CLD Roaring Brook Bridge		PROJECT NUMBER: 123-87464							
SITE NAME: Barton, VT		SITE NUMBER: BRO 1449(31)							
STATION: 43+58.5		GROUND ELEVATION: 1139.0 ft							
OFFSET: LT 18.0'		GROUNDWATER DEPTH: 7.6 ft 2/12/13							
VTSPG: N 816253.00 ft E 1714754.00 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		0.0 ft - 2.0 ft, A-1-B, GrSa, Brown, moist, very dense, fine to coarse SAND and GRAVEL (GW) [Sample 1D], Rec. = 1.33 ft	60-58-34-63 (92)						
5		4.0 ft - 6.0 ft, A-4, GrSiSa, Brown-gray, wet, loose, silty fine SAND, some medium sand and gravel, trace clay (SM) [Sample 2D], Rec. = 0.17 ft	11-4-3-3 (7)						
10		9.0 ft - 11.0 ft, A-7-5, Cl, Gray, wet, very stiff, CLAY, trace medium sand, low plasticity (CL) [Sample 3D], Rec. = 1.25 ft	6-6-10-8 (16)	31.0				41	21
15		14.0 ft - 16.0 ft, A-7-5, Cl, Gray, wet, stiff, CLAY, trace gravel and medium sand, high plasticity (CH) [Sample 4D], Rec. = 2.0 ft	7-7-7-7 (14)	25.0				52	31
20		19.0 ft - 21.0 ft, A-4, GrSiSa, Gray, wet, fine SAND and SILT, trace gravel (SM) [Sample 5D], Rec. = 1.33 ft	18-32-49-48 (81)		1.7	61.5	36.8		
25		24.0 ft - 25.4 ft, A-4, SiSa, Gray, wet, very dense, silty fine SAND, layers of medium to coarse sand (ML) [Sample 6D], Rec. = 0.92 ft	29-57-100/5* (R)						
		25.4 ft - 27.5 ft, Boulder based on drill behavior.							
		29.0 ft - 33.0 ft, Cored through nested boulders.							

BOTTOM OF ABUT. 2
EL. 1130.0'

LOG OF BORING & WELL: CLD BARTON BRIDGE G.P.I. VT AOT GDT 8/25/14

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PROJECT NAME: CLD Roaring Brook Bridge		PROJECT NUMBER: 123-87464							
SITE NAME: Barton, VT		SITE NUMBER: BRO 1449(31)							
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OFFSET: LT 18.0'		GROUNDWATER DEPTH: 7.6 ft 2/12/13							
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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, Wash, otherwise no recovery [Sample 7D].							
40		39.0 ft - 41.0 ft, A-4, SiCl, Gray, wet, hard, silty CLAY, trace fine sand, low plasticity (CL) [Sample 8D], Rec. = 2.0 ft	16-19-20-37 (39)	25.0				24	7
45		44.0 ft - 46.0 ft, A-4, SiCl, Gray, wet, hard, silty CLAY, some fine sand, low plasticity, sand in ~1mm lenses (CL) [Sample 9D], Rec. = 2.0 ft	15-21-20-26 (41)						

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PROJECT NAME: CLD Roaring Brook Bridge		PROJECT NUMBER: 123-87464							
SITE NAME: Barton, VT		SITE NUMBER: BRO 1449(31)							
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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							
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60.0		60.0 ft. No samples collected 46-78 ft.							
78.0		78.0 ft, Tri-cone refusal, possible bedrock. Backfilled with cuttings upon completion. Hole stopped @ 78.0 ft							

APPROX. PILE TIP
EL. 1061.0

LOG OF BORING & WELL: CLD BARTON BRIDGE G.P.I. VT AOT GDT 8/25/14

PROJECT NAME: BARTON
PROJECT NUMBER: BRO 1449(31)

FILE NAME: I1J068/cos/z11J068bor.dgn
PROJECT LEADER: J. BYATT
DESIGNED BY: S. BEAUMONT
BORING LOGS (3 OF 4)

PLOT DATE: 12/17/2014
DRAWN BY: M. SMITH
CHECKED BY: J. BYATT
SHEET 25 OF 52

