

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-101 SHEET 1 of 2 DATE STARTED: 2/14/13 DATE COMPLETED: 2/15/13					
PROJECT NAME: CLD Roaring Brook Bridge SITE NAME: Barton, VT STATION: 42+99.5 OFFSET: LT 6.5' VTSPG: N 816206.00 ft E 1714717.00 ft		PROJECT NUMBER: 123-87464 SITE NUMBER: BRO 1449(31) GROUND ELEVATION: 1139.0 ft GROUNDWATER DEPTH: 9.3 ft 2/15/13 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 (%)
		0.0 ft - 0.5 ft. Asphalt.					
5		3.0 ft - 5.0 ft. A-1-B, GrSa, Brown, wet, very dense, fine to coarse SAND and GRAVEL (GM) [Sample 1D], Rec. = 1.58 ft	98-86-57-13 (R)				
		5.0 ft - 7.0 ft. A-2-4, Sa, Brown, wet, compact, fine to medium SAND (SP) [Sample 2D], Rec. = 0.42 ft	9-5-7-5 (12)				
		7.0 ft - 9.0 ft. A-2-4, Sa, Brown-gray, wet, very loose, fine SAND, some fine to coarse gravel, trace medium sand, trace organics (wood) (SP) [Sample 3D], Rec. = 1.33 ft	1-2-1-2 (3)				
10		9.0 ft - 10.0 ft. A-2-4, GrSiSa, Brown, wet, loose, silty gravelly SAND with rust colored staining (SM) [Sample 4D - Top 12"], Rec. = 1.42 ft	1-4-5-7 (9)	16.6	54.3	29.1	
		10.0 ft - 11.0 ft. A-6, SiCl, Gray, wet, stiff, CLAY with lenses of silt and fine to medium sand, medium plasticity (CL) [Sample 4D - Bottom 7"]					
		13.0 ft - 14.0 ft. Boulder based on drill behavior.					
15		14.0 ft - 16.0 ft. A-2-4, GrSaSi, Gray, wet, very dense, silty gravelly SAND (SM) [Sample 5D], Rec. = 0.58 ft	16-77-21-18 (98)				
20		19.0 ft - 21.0 ft. No recovery [Sample 6D], Rec. = 0.0 ft	18-34-34-64 (68)				
25		24.0 ft - 26.0 ft. A-4, GrSaSi, Gray, wet, very dense, sandy SILT, trace fine gravel (ML) [Sample 7D], Rec. = 1.25 ft	20-40-48-49 (88)				
		29.0 ft - 31.0 ft. A-4, SaSi, Gray, wet, very dense, sandy SILT (ML) [Sample 8D], Rec. = 1.0 ft	25-49-65-78	6.9	23.7	69.4	

BOTTOM OF ABUT. 1  
EL. 1130.0'

LOG OF BORING & WELL: CLD-BARTON BRIDGE GRA, VT, A01, G01, B25/14

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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 (%)
			(R)				
35		34.0 ft - 36.0 ft. A-4, SaSi, Gray, wet, very dense, fine SAND, increasing silt with depth (SM) [Sample 9D], Rec. = 0.75 ft	24-62-54-32 (R)				
40		39.0 ft - 41.0 ft. A-4, Si, Gray, wet, very dense, SILT, some fine sand (ML) [Sample 10D], Rec. = 1.58 ft	20-25-32-35 (57)				
45		44.0 ft - 46.0 ft. A-6, Cl, Gray, wet, hard, CLAY, low plasticity (CL) [Sample 11D], Rec. = 2.0 ft	9-14-17-26 (31)				
50		49.0 ft - 51.0 ft. A-4, SaSi, Gray, wet, dense, sandy SILT, some black staining (ML) [Sample 12D], Rec. = 1.83 ft	16-14-19-25 (33)				
		51.0 ft. Completed boring at 51 ft-bgs in soil. Backfilled with cuttings and sealed with cold patch asphalt upon completion. Hole stopped @ 51.0 ft					

LOG OF BORING & WELL: CLD-BARTON BRIDGE GRA, VT, A01, G01, B25/14

PROJECT NAME: BARTON	PROJECT NUMBER: BRO 1449(31)
FILE NAME: IJ068/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 (1 OF 4)	SHEET 23 OF 52

