South Street Bridge Replacement
SUBSURFACE LOG
HOLE NUMBER B-201

PROJECT NUMBER: 22718.1000.32000
LOCATION: Bristol, Vermont
CLIENT: VTrans
CONTRACTOR: New Hampshire Boring, Inc.
DRILLER: B. Thompson INSPECTOR: K. Owens
START DATE and TIME: 3/17/2011 9:25:00 AM
FINISH DATE and TIME: 3/17/2011 5:00:00 PM
SURFACE ELEV: 490.80 (ft; Estimated) CHECKED BY: K. Adnams

DRILL FLUID: Water @ 0' DRILLING METHOD: 5" FJC

WATER LEVEL OBSERVATIONS	DATE	TIME	READING TYPE	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
	3-17-11	5:00 PM	Casing Pulled	None	N/A	24

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT			
									490	Lab results are included for each sample. When insufficient sample mass was recovered for testing the description of the sample was based on field observations and denoted with " ** ". Groundwater conditions observed during drilling may not represent static conditions. Roller bit through asphalt 0-0.5'. Void observed under the asphalt 0.5'-1.0'. **(SS-1) Gravel: 63.3%, Sand: 30.1%, Fines: 6.5%. (SS-2) Gravel: 33.4%, Sand: 58.9%, Fines: 7.7%. **(SS-3) Gravel: 51.6%, Sand: 43.0%, Fines: 7.7%.	
SS-1	2	0.5	5-7-10-7	17		2		f.m.c. SAND, little f.c. gravel, trace silt, brown, medium compact, wet (FILL)			
SS-2	2	0.6	8-6-5-5	11		4		f.m.c. SAND, Some f.c. gravel, trace silt, brown, medium compact, moist (FILL)	488		
SS-3	2	1	5-3-2-3	5		6		f.m.c. SAND, Some f.c. gravel, trace silt, brown, loose, moist (FILL)	486		
						8			484		
SS-4	2	0.3	4-4-3-10	7		10		f.m.c. SAND, Some silt, trace c. gravel, trace organics/coal, loose, wet (FILL)	482	**Gravel: 37.7%, Sand: 29.9%, Fines: 32.3%.	
						12			480		
						14			478	Roller bit grinding 13.5'-15.5'.	
SS-5	2	0.4	19-8-6-5	14		16		f.m.c. SAND, trace silt, trace f. gravel, brown, medium compact, wet (SP)	476	**Gravel: 34.6%, Sand: 56.6%, Fines: 8.8%.	
						18			474		
									472		

BOTTOM OF PILE CAP
ELEV. 479.00

SUBSURFACE LOG BRIDGE REPLACEMENT LOGS.GPJ UPDATEDCHA.GDT 8/9/11

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SS-6	1.3	0.4	14-29-100/3"	R		22		f.c. GRAVEL, Some f.m.c. Sand, little silt, brown, very compact, wet (GP)	470	**Gravel: 67.1%, Sand: 23.2%, Fines: 9.7%. Drill rig bouncing while advancing roller bit 21.0'-23.0'.	
						24		End of Boring at 24 ft	468	Casing and roller bit refusal at 24.0'. Cuttings from roller bit wash contain metal fragments, pull casing and roller bit to identify source. Boring terminated due to roller bit fragments remaining in the hole. B-201 offset to B-201A.	
						26			466		
						28			464	Borings made with a CME 550X ATV drill rig. Hammer Energy Correction Factor CE = 1.3 Coordinates: N 595150.9 ft, E 1488035.0 ft	
						30			462		
						32			460		
						34			458		
						36			456		
						38			454		
						40			452		
						42			450		
						44			448		

SUBSURFACE LOG BRIDGE REPLACEMENT LOGS.GPJ UPDATEDCHA.GDT 8/9/11

PROJECT NAME: BRISTOL
PROJECT NUMBER: BRO 1445(32)

FILE NAME: s05j352Boring_logs.dgn PLOT DATE: 04-JUN-2013
PROJECT LEADER: J. LACROIX DRAWN BY: R. PELLETT
DESIGNED BY: G. LAROCHE CHECKED BY: T. FILLBACH
BORING LOG SHEET #1 SHEET 21 OF 66