

CON-TEC, INC. TEST BORING LOG

PROJECT: BRIDGE OVER MILLER BROOK		JOB NO. 20 05	
LOCATION: STOWE, VT		HOLE NO. B-1	
EG. ELEV.: 328.07		SHEET 1 OF 5	
START DATE 9/21/00		FINISH DATE 9/28/00	
DRILLER R. Bourasso		HELPER G. Deon	
INSPECTOR			

DEPTH IN FEET	CASING BLOWS PER FOOT	SAMP. NO.	SAMPLE DEPTH	SAMPLE BLOWS PER BINCHES	RECOV.	GROUNDWATER				DEPTH TO		SOIL DESCRIPTION
						DATE	TIME	WATER	BOTTOM OF CASING	BOTTOM OF HOLE		
												ASPHALT
		1	1'-3"	16-16 18-11	17'							Brown, dry, dense m/fc GRAVEL & m/fc SAND
5.0'		2	5'-7"	9-13 8-7	18'							Brown, dry, medium-dense, fm/c SAND, some fm/c gravel, trace silt
												TOP POLE 321.37 BOTTOM OF NEW PILE CAP, ELEV. 319.37 FT.
10.0'		3	10'-12"	12-16 61-10	8'							Brown, dry, very dense, fm/c SAND, some fm/c gravel, occasional cobble
15.0'		4A 4B	15'-16" 16'-17"	12-13 11-7	19'							Brown, wet medium-dense, fm/c SAND, some fm/c gravel, occasional cobble Brown n-gray, wet medium-dense SILT (Layered)
20.0'		5	20'-22"	6-6 6-8	17'							Brown n-gray, wet medium-dense SILT, trace f/sand (Layered)
25.0'		6	25'-27"	4-4 5-5	21'							Brown, wet loose silt trace f/sand, trace f/gravel
30.0'		7	30'-32"	7-6 7-9	19'							Brown, wet medium-dense SILT, little f/sand
35.0'												

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SHEET 2 OF 5		START DATE 9/21/00	
FINISH DATE 9/28/00		DRILLER R. Bourasso	
HELPER G. Deon		INSPECTOR	

DEPTH IN FEET	CASING BLOWS PER FOOT	SAMP. NO.	SAMPLE DEPTH	SAMPLE BLOWS PER BINCHES	RECOV.	GROUNDWATER				DEPTH TO		SOIL DESCRIPTION
						DATE	TIME	WATER	BOTTOM OF CASING	BOTTOM OF HOLE		
												Brown n-gray, wet medium-dense SILT, trace f/sand (Layered)
40.0'		8A 8B	35'-36" 36'-37"	7-11 27-27	20'							Brown, wet very dense, fm/c GRAVEL & fm/c SAND, trace silt
45.0'		9	40'-42"	9-12 13-9	6'							Brown, wet medium-dense fm/c SAND, little fm/c gravel trace f/silt
50.0'		10	45'-47"	13-11 10-10	16'							Brown, wet medium-dense m/fc SAND, little fm/c gravel
55.0'		11 CASING	50'-52" 18-24	17-21	12'							Brown n-gray, wet dense fm/c SAND, little fm/c gravel, little silt; trace clay in layers
60.0'		12	54'-56"	69-4' 18-10	9'							Brown & gray, wet very dense, f/sand & SILT, some fm/c gravel
65.0'		13	59'-61"	25-18 12-10	4'							Medium-dense, f/GRAVEL & c/m f/SAND (Possible Wash Sample)
70.0'		14	64'-66"	41-40 24-19	7'							Light brown & gray, wet very dense, fm/c SAND, some silt, some em bedded fm/c gravel
		15	69'-71"	70-44	10'							Light brown & gray, wet very dense, fm/c SAND & fm/c GRAVEL, some silt

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SHEET 3 OF 5		START DATE 9/21/00	
FINISH DATE 9/28/00		DRILLER R. Bourasso	
HELPER G. Deon		INSPECTOR	

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						DATE	TIME	WATER	BOTTOM OF CASING	BOTTOM OF HOLE		
												Light brown & gray, wet very dense, fm/c SAND & fm/c GRAVEL, some silt
75.0'		16	74'-76"	15-18 15-15	7'							Light brown & gray, wet dense, fm/c SAND & fm/c GRAVEL, some silt
80.0'		17 CASING	79'-81" 12-16	20-14	10'							Brown, wet medium-dense, fm/c SAND, little silt; trace f/gravel
85.0'		18	84'-86"	21-30 25-19	20'							Light brown, wet very dense, fm/c SAND, trace f/gravel, trace silt (Bottom 2' - layer of fm/c SAND)
90.0'												
95.0'		19	94'-96"	26-19 15-22	0'							No Recovery - Drilling bit the some from 84'-94' and wash water was brown in color.
100.0'												Wash water turns gray ~ 100'
105.0'		20	104'-106"	66-62	18'							Brown n-gray, wet very dense, f/SAND, little silt

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FINISH DATE 9/28/00		DRILLER R. Bourasso	
HELPER G. Deon		INSPECTOR	

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						DATE	TIME	WATER	BOTTOM OF CASING	BOTTOM OF HOLE		
												Brown n-gray, wet very dense, f/SAND, little silt
110.0'												NOTE: Mix drill mud at 04' and advance 3' open hole below 3' casing.
115.0'		21	114'-116"	59-63 69-76	17'							Brown n-gray, wet very dense, f/SAND, little silt
120.0'												
125.0'												Note: Attempt sample at 124' hole cased to 120'. Continued drilling 3' open hole without sampling. Losing 50% of wash water while drilling.
130.0'												POLE 121' Drilling becomes harder SILT, SAND & GRAVEL
135.0'		22	130'-135"	WASH SAMPLE								
140.0'												Drilling becomes hard Assume Bedrock - Drilling with 3' built bit approx 3 min turns per L.F.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	STOWE	Bridge No.	3
Highway No.	T.H. 1	Log Sta.	
		Surv. Sta.	
MOSCOW ROAD OVER MILLER BROOK			
BORING LOG SHEET 1			
Designed By	R.H. BARNES	Drawn By	S.J. BIJOLLE
Checked By	Date	Bridge Design Supervisor	
E.P. DETRICK	5/09	J.W. TUCKER	Date 5/09
PROJECT	STOWE	PROJECT NO.	BHO 1446 (30)
I.G.C. Info.	... \DGN\z99j244bor.dgn		
D & K DWG NO.		Sheet	12 of 37

