STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Rutland Bridge Replacement
23828.1000.32000

Boring No.: B-102
Page No.: 1 of 1
Pin No.: BRF 3000(16)
Checked By: J. MacGregor

Boring Crew: M. Blakely, D. Spielvogel
Date Started: 2/17/12 Date Finished: 2/17/12
VTSPG NAD83: N 401638.49 ft E 1509823.59 ft
Station: 100+35.00 Offset: 36.4 R
Ground Elevation: 530.1 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	3 in	1.5 in
Hammer Wt:	140 lb.	140 lb.
Hammer Fall:	30 in.	30 in.
Hammer/Rod Type:		Manual/NW
Rig:	CME 550 ATV	CE = 1

Groundwater Observations

Date	Depth (ft)	Notes
02/17/12	10.1	Estimated

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		ASPHALT					
		(FILL), f.m.c. SAND, little f.c. gravel, trace silt, brown, moist					
5		(FILL), WOOD, medium compact, brown, moist, Rec. = 0.5 ft	16-7-5-7 (12)				
		(SM)					
10		(SM), f. SAND, Some Silt, trace organics, compact, brown, wet, Rec. = 0.6 ft	22-20-15-17 (35)				
15		No Recovery, Rec. = 0.0 ft	14-9-7-8 (16)				
		Hole stopped @ 16.0 ft					

Remarks:
Two spoons were driven for sample S-3 without a sample recovery.

Casing refusal was encountered at a depth of 16 feet. Boring was offset 2 feet to location B-102A.

The description of the classification of the materials is based on USCS criteria that gravel is defined as material retained on a #4 sieve or larger.

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

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