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

BORING LOG

Guilford Bridge Replacement
23285.1000.32000

Boring No.: B-3
Page No.: 1 of 2
Pin No.: BRO 1442(36)
Checked By:

Boring Crew: M. D'Amdrosio, D. Spielvogel
Date Started: 12/05/11 Date Finished: 12/05/11
VTSPG NAD83: N 113439.01 ft E 1592928.49 ft
Station: 103+35.20 Offset: 8L
Ground Elevation: 1063.9 ft

	Casing	Sampler
Type:	WASH BORE	SS
I.D.:	4 in	1.25 in
Hammer Wt:	300 lb	140 lb.
Hammer Fall:	30 in.	30 in.
Hammer/Rod Type:		Safety
Rig:	Acker D52	CE = 1

Groundwater Observations

Date	Depth (ft)	Notes
12/05/11	14.0	casing at 12 feet

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		(Granular FILL), f.m.c. SAND, little silt, trace f.c. gravel, medium compact, brown, moist, Rec. = 0.5 ft			8-13-13-26 (26)				
		(Fine Grained FILL), Clayey SILT, Some f.m.c. Sand, little f.c. gravel, very stiff, dark brown, moist, Rec. = 1.3 ft			13-10-6-15 (16)				
5		(Fine Grained FILL), becomes hard, Rec. = 1.5 ft			15-19-57-28 (76)				
		(ML), Clayey SILT, Some f. Sand, hard, brown, moist, Rec. = 1.2 ft			20-21-21-29 (42)				
		(ML), Clayey SILT, Some f.m.c. Sand, trace f. gravel, hard, brown, moist, Rec. = 1.3 ft			27-29-29-40 (58)				
10		(SM), f.m.c. SAND, Some Silty Clay, Some f.c. Gravel, very compact, brown, moist, Rec. = 0.5 ft			34-39-43-42 (82)				
		(SM), Similar Soil,, Rec. = 0.9 ft			36-39-47-44 (86)	13.9	28.4	42.3	29.3
15		(SM), becomes compact, wet, Rec. = 1.1 ft			25-18-27-31 (45)				
		(SM)							
20		(SM), f. SAND, Some Silt, very compact, brown, wet, Rec. = 1.2 ft			28-29-36-34 (65)				
		(SM)							
25		(SM), f.m.c. SAND, Some Silt, trace f. gravel, very compact, brown, wet, Rec. = 0.7 ft			32-37-60-31 (97)				
30		(SM), f.m.c. SAND, Some Silt, little f.c. gravel, very compact, brownish gray, wet, Rec. = 1.1 ft			60-65-42-44 (>100)				
		(ML)							

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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		(ML), Clayey SILT, Some f. Sand, hard, gray, wet, Rec. = 1.9 ft			17-21-31-36 (52)	32.9	5.2	8.4	86.4
40		(ML), Similar Soil,, Rec. = 1.8 ft			19-20-30-30 (50)				
45		44.9 ft - 47.0 ft, Hard roller bit advancement @ 44.9 ft.			Top of Bedrock @ 44.9 ft				
		47.0 ft - 52.0 ft, White/gray/brown, Schist, very close fracture spacing. Medium hard, Moderately to severely weathered, NXDC, very poor RQD	R-1	46.7 (0)					
50									
55		52.0 ft - 57.0 ft, White/gray/brown, Schist, close fracture spacing. Medium hard, Moderately weathered, NXDC, fair RQD	R-2	86.7 (52)					
60		Hole stopped @ 57.0 ft Boring backfilled with cuttings and bituminous cold patch.							
65									

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