



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

BORING LOG

Guilford Bridge Replacement
23285.1000.32000

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

Boring Crew: S. Clavette, S. Johnston
Date Started: 11/22/11 Date Finished: 12/05/11
VTSPG NAD83: N 113488.19 ft E 1592811.68 ft
Station: 102+07.50 Offset: 4L
Ground Elevation: 1067.5 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: B53 Mobile CE = 1

Groundwater Observations

Date	Depth (ft)	Notes
11/22/11	14.0	casing at 12 feet

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	x x x	(Granular FILL), f.m.c. SAND, Some Silt, little f.c. gravel, very compact, brown, moist, Rec. = 1.3 ft	25-32-42-40 (74)	5.4	41.5	50.3	8.2
		(Granular FILL), f.m.c. SAND, And f.c. Gravel, trace silt medium compact, Rec. = 1.4 ft	31-18-12-9 (30)				
		(Granular FILL), becomes compact, Rec. = 0.6 ft	24-23-14-10 (37)				
		(Fine Grained FILL), Clayey SILT, Some f.m.c. Sand, little f. gravel, hard, brownish gray, moist, Rec. = 1.2 ft	10-10-9-14 (19)				
		(Fine Grained FILL), Similar Soil, Rec. = 1.2 ft	11-16-16-19 (32)				
		(Fine Grained FILL), SILT, Some f. Sand, compact, light brown, moist, Rec. = 0.9 ft	32-20-22-23 (42)				
10	x x x	(Fine Grained FILL), becomes very compact, Rec. = 1.3 ft	20-24-33-50/4" (57)				
		(SM), f.m.c. SAND, Some Silt, little f.c. gravel, compact, light brown, moist, Rec. = 1.0 ft	16-23-20-43 (43)				
15		(SM), becomes very compact, Rec. = 1.2 ft	13-50-50/5" (>100)				
20		(ML)					
25		(ML), SILT, Some f. Sand, very compact, brown, wet, Rec. = 1.0 ft	38-32-39-43 (71)				
30		(Completely Weathered Bedrock)					
		(Completely Weathered Bedrock), f.m.c. SAND, little silt, little f. gravel, very compact, brown/black/gray, moist, Rec. = 1.2 ft	60-57-59-63 (>100)				
Hole stopped @ 32.0 ft Boring backfilled with cuttings and bituminous cold patch.							

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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