



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

BORING LOG

SOUTH HERO
STP HES 028-1(22)
US-2 & VT-314 ROADWAY

Boring No.: **B-157**
 Page No.: **1 of 1**
 Pin No.: **12B016**
 Checked By: **MLM**

Boring Crew: GARROW, HALL
 Date Started: 6/24/13 Date Finished: 6/24/13
 VTSPG NAD83: N 789746.70 ft E 1426467.20 ft
 Station: 63+74 Offset: -38.00
 Ground Elevation: 121.06 ft

Type: WB SS
 I.D.: 4 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
06/24/13	4.8	While drilling.

Depth (ft)	Strata (*)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 1.5		Asphalt Pavement, 0.0 ft - 1.5 ft							
5.0		A-4, GrSaSi, brn, Moist, Rec. = 0.4 ft, Small layers of clay were noticeable.	2-3-2-4 (5)	14.3	26.1	36.3	37.6		
		A-4, GrSaSi, brn, Moist, Rec. = 1.0 ft	4-4-4-3 (8)	16.6	23.5	35.7	40.8	23	6
		Visual Description:, Broken Rock with Clay, blk-brn, Moist, Rec. = 0.5 ft	6-7-8-11 (15)	11.6					
		Visual Description:, Large pieces of Broken Rock with sand & clay, brn, Moist, Rec. = 0.7 ft	6-5-7-6 (12)	11.8					
10.0		A-2-6, GrCl with sand, brn, Moist, Rec. = 0.7 ft, Black Wood pieces were within sample.	9-8-5-5 (13)	25.6	35.2	30.4	34.4	33	12
		A-6, SiCl with sand, brn, Moist, Rec. = 1.3 ft	2-2-5-6 (7)	25.0	12.6	28.0	59.4	32	14
15.0		A-4, ClSi with sand, brn, Moist, Rec. = 1.8 ft	1-2-5-3 (7)	18.9	13.9	20.9	65.2	27	10
20.0		Visual Description:, ClSi with sand, brn, Moist, Rec. = 0.7 ft, Material similar as 25-26.9 ft.	WH-3-2-3 (5)	13.2					
25.0		A-4, ClSi with sand, brn, Moist, Rec. = 1.5 ft	1-2-5-R@5.0" (7)	11.1	26.2	26.2	47.6	19	7
		Hole stopped @ 26.9 ft							
30.0		Remarks: 1. Hole collapsed at 23.2 ft.							

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

BORING LOG 2 SOUTH HERO STP HES 028-1(22).GPJ VERMONT AOT.GDT 8/12/13