



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-155**
 Page No.: 1 of 1
 Pin No.: 12B016
 Checked By: MLM

Boring Crew: GARROW, HALL
 Date Started: 6/21/13 Date Finished: 6/21/13
 VTSPG NAD83: N 789950.80 ft E 1426395.40 ft
 Station: 61+64 Offset: 14.00
 Ground Elevation: 123.49 ft

Casing Type: WB Sampler: 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 C₁ = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
06/21/13	2.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.35		Asphalt Pavement, 0.0 ft - 0.35 ft										
0.35 - 1.9		Visual Description:, Broken Rock, blk, Moist, Rec. = 0.2 ft				8-2-3-2 (5)						
1.9 - 3.8		Visual Description:, Cl, brn, Moist, Rec. = 1.9 ft, Material similar as 7-9 ft.				2-5-5-6 (10)	31.1					
3.8 - 5.7		Shelby Tube, brn, Moist, Rec. = 1.8 ft, 5.0 ft - 7.0 ft										
5.7 - 7.7		A-7-6, Cl, brn, Moist, Rec. = 2.0 ft				2-3-4-5 (7)	41.0	5.8	5.2	89.0	55	29
7.7 - 8.7		Shelby Tube, brn, Moist, Rec. = 1.5 ft, 9.0 ft - 11.0 ft										
8.7 - 9.7		Visual Description:, Cl, brn, Moist, Rec. = 1.0 ft, Material similar as 7-9 ft.				2-3-4-5 (7)	40.4					
9.7 - 11.3												
11.3 - 12.9		A-4, CISi with sand, brn, Moist, Rec. = 1.6 ft				3-3-6-6 (9)	15.8	15.4	27.8	56.8	24	10
12.9 - 17.8												
17.8 - 20.8		17.8 ft - 20.8 ft, Dark gray, Calcareous Shale, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 67	1 (45)	73 (67)	7							
20.8 - 22.8		20.8 ft - 22.8 ft, Dark gray, Calcareous Shale, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 67	2 (45)	75 (70)	6							
22.8 - 25.0		Hole stopped @ 22.8 ft										
25.0 - 27.0		Remarks: 1. Hole collapsed at 15.8 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. C₁ 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