



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
CONSTRUCTION AND  
MATERIALS BUREAU  
CENTRAL LABORATORY

BORING LOG

EAST MONTPELIER  
BRF 037-1(7)  
VT-14 BR-68

Boring No.: B-401  
Page No.: 1 of 1  
Pin No.: \_\_\_\_\_  
Checked By: MRG

Boring Crew: GARROW, NIETO  
Date Started: 11/18/15 Date Finished: 11/18/15  
VTSPG NAD83: N 644488.50 ft E 1643254.08 ft  
Station: 143+65 Offset: -17.30  
Ground Elevation: 670.8 ft

Casing: H.S.A. Sampler: SS  
Type: H.S.A. I.D.: 3 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. = Unknown

| Groundwater Observations |            |                     |
|--------------------------|------------|---------------------|
| Date                     | Depth (ft) | Notes               |
| 11/18/15                 | 17.1       | W.T. after drilling |
|                          |            |                     |
|                          |            |                     |

| Depth (ft)                              | Strata (1) | CLASSIFICATION OF MATERIALS (Description)  | Blows/6" (N Value)    | Moisture Content % | Gravel % | Sand % | Fines % |
|---|------------|--|-----------------------|--------------------|----------|--------|---------|
| 0.0 - 0.3                               |            | Asphalt Pavement, 0.0 ft - 0.3 ft  |                       |                    |          |        |         |
| 2.5                                     |            | A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft   | 8-13-12-12 (25)       | 6.0                | 33.0     | 45.0   | 22.0    |
|   |            | A-1-b, SiSaGr, gry, Moist, Rec. = 1.5 ft, Lab Note: Broken rock was within sample.                     | 9-8-7-6 (15)          | 8.0                | 41.8     | 36.5   | 21.7    |
| 5.0                                     |            | A-4, GrSaSi, Dk/brn, Moist, Rec. = 1.2 ft, Lab Note: Sample tested non-plastic.                        | 3-4-5-3 (9)           | 17.3               | 22.8     | 31.7   | 45.5    |
| 7.5                                     |            | A-4, SiSa, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Wood fibers and pieces of wood were within sample. | 1-4-3-2 (7)           | 25.1               | 12.8     | 47.4   | 39.8    |
| 10.0                                    |            | A-4, GrSaSi, gry, Moist, Rec. = 0.9 ft, Lab Note: A lot of wood fibers were within sample.             | 2-6-8-8 (14)          | 18.0               | 20.6     | 31.7   | 47.7    |
| 12.5                                    |            | A-2-4, GrSaSi, gry, Moist, Rec. = 1.1 ft, Lab Note: Wood fibers and pieces of wood were within sample. | 13-7-5-6 (12)         | 13.5               | 31.9     | 32.9   | 35.2    |
| 15.0                                    |            | A-4, SaSi, gry, Moist, Rec. = 1.5 ft   | 2-3-20-40 (23)        | 13.6               | 17.6     | 27.1   | 55.3    |
|   |            | A-4, SaSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Wood fibers were within sample.                        | 10-18-28-24 (46)      | 13.0               | 14.7     | 25.2   | 60.1    |
| 17.5                                    |            | A-4, SaSi, gry, Moist, Rec. = 1.8 ft   | 13-16-48- R@3.5" (64) | 12.0               | 15.2     | 21.3   | 63.5    |
| 20.0                                    |            | A-4, SaGrSi, gry, Moist, Rec. = 0.5 ft   | R@6" (R)              | 12.5               | 21.3     | 21.2   | 57.5    |
| Hole stopped @ 19.5 ft                  |            |  |                       |                    |          |        |         |
| Remarks:<br>Hole Collapsed at 9.6 feet. |            |  |                       |                    |          |        |         |

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 EAST MONTPELIER BRF 037-1(7).GPJ VERMONT AOT.GDT 12/3/15