



Elmore-Morrilstown STP 2937(1)
 Client: Vermont Agency of Transportation
 Contractor: Platform Drilling
 Driller: C. Aldrich / Inspector: K. Owens

VT Route 12
 Pavement Rehabilitation
 CHA No. 24608
 Auger Probe Log

| BORING NO. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | DRILLING NOTES: (LAT, LONG - Decimal Degrees) | | |
|------------|--------------|-------------|-------------|------------|-----|-------------|--|--------------------|-----------------|----------|--------|---------|--------------|--|---------------|---|
| | | | | T | B | | | % MOISTURE | AASHTO CLASS. 1 | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | | PLASTIC LIMIT | |
| B-101 | 10/8/2012 | 3.5 | 5.9 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Auger grinding 0.5'-1.5' |
| | | NB | | 0.4 | 1.0 | | Subbase - f.c. GRAVEL, S. f.c. Sand, brn, moist | A-1-a | | | | | | | | Subbase visible from sidewall, unable to obtain sample. |
| | | | | 1.0 | 2.0 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | 3.7 | A-1-a | 61.0 | 27.5 | 11.5 | NP | | | No visible rock outcrops/boulders. (44.49643944674,-72.5184494666) |
| | | | | | | | Auger Refusal @ 2.0' | | | | | | | | | Auger grinding 3.5'-4' |
| B-102 | 10/8/2012 | 3.7 | 7.0 | 0.0 | 0.3 | | Asphalt Pavement | | | | | | | | | |
| | | SB | | 0.3 | 3.5 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | A-1-a | | | | | | | | |
| | | | | 3.5 | 5.0 | G-2 | f.c. SAND, I. silt, I. f.c. gravel, I. brn, micaceous, moist | A-2-4 | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.49945160183,-72.5174381100) |
| B-103 | 10/8/2012 | 3.9 | 5.5 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Easy drilling at 3' |
| | | NB | | 0.4 | 3.0 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | A-1-a | | | | | | | | |
| | | | | 3.0 | 5.0 | G-2 | SILT, S. f.c. Sand, t. f. gravel, d. brn, moist | A-4 | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.50217997759,-72.5168837452) |
| B-104 | 10/8/2012 | 4.1 | 7.5 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Easy drilling at 3' |
| | | SB | | 0.4 | 3.0 | G-1 | f.c. GRAVEL and f.c. SAND, S. Silt, brn, moist | 5.0 | A-1-b | 43.1 | 35.3 | 21.6 | NP | | | |
| | | | | 3.0 | 5.0 | G-2 | f.c. SAND, I. silt, I. f. gravel, brn, moist | A-2-4 | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.50502650011,-72.5157916100) |
| B-105 | 10/8/2012 | 4.3 | 5.7 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Easy drilling @ 2.5' |
| | | NB | | 0.4 | 5.0 | G-1/2 | f.c. GRAVEL and f.c. SAND, S. Silt, brn, moist | A-1-b | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.50811068126,-72.5140076651) |
| B-106 | 10/8/2012 | 4.5 | 4.5 | 0.0 | 0.4 | | Asphalt Pavement - 3" Top Coat, 2" Decomposed Base | | | | | | | | | Easy drilling @ 3.5' |
| | | SB | | 0.4 | 3.0 | G-1 | f.c. GRAVEL and f.c. SAND, S. Silt, brn, moist | A-1-b | | | | | | | | |
| | | | | 3.5 | 5.0 | G-2 | SILT, I. f.c. sand, I. brn, moist | A-4 | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.51044173204,-72.5128555762) |
| B-107 | 10/8/2012 | 4.7 | 7.2 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Organics in G-1 consisted of root hairs and small sticks. |
| | | NB | | 0.4 | 0.9 | | Subbase | | | | | | | | | |
| | | | | 0.9 | 2.0 | G-1 | f.c. SAND, S. Silt, S. f.c. Gravel, t. organics, d. brn, wet | 18.2 | A-2-4 | 30.1 | 37.6 | 32.3 | NP | | | |
| | | | | 2.0 | 5.0 | G-2 | f.c. SAND, S. Silt, S. f.c. Gravel, t. organics, d. brn, wet | 19.2 | A-2-4 | 24.2 | 41.4 | 34.4 | NP | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.51307421437,-72.5129536170) |
| B-108 | 10/8/2012 | 4.9 | 7.6 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Very easy drilling at 3.5' |
| | | SB | | 0.4 | 1.0 | | Subbase | | | | | | | | | |
| | | | | 1.0 | 3.5 | G-1 | f.c. SAND, I. silt, brn, moist | A-2-4 | | | | | | | | |
| | | | | 3.5 | 5.0 | G-2 | Cl. SILT, I. f.c. sand, t. organics, d. brn, wet | A-4 | | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.51616826892,-72.5134560802) |

| BORING NO. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | DRILLING NOTES: (LAT, LONG - Decimal Degrees) | | |
|------------|--------------|-------------|-------------|------------|-----|-------------|---|--------------------|-----------------|----------|--------|---------|--------------|--|---------------|--|
| | | | | T | B | | | % MOISTURE | AASHTO CLASS. 1 | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | | PLASTIC LIMIT | |
| B-109 | 10/8/2012 | 5.1 | 5.2 | 0.0 | 0.5 | | Asphalt Pavement - 3" Top Coat, 3" Decomposed Base | | | | | | | | | Auger grinding, hard drilling 0.5-2.5' |
| | | NB | | 0.5 | 2.5 | G-1 | f.c. GRAVEL and f.c. SAND, S. Silt, brn, moist | | A-1-b | | | | | | | Very easy drilling at 3' |
| | | | | 2.5 | 5.0 | G-2 | f.c. SAND, I. silt, t. f.c. gravel, brn, moist | | A-2-4 | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.518996036405,-72.5141211167) |
| B-110 | 10/8/2012 | 5.3 | 7.0 | 0.0 | 0.5 | | Asphalt Pavement | | | | | | | | | Difficult drilling to 2' |
| | | SB | | 0.5 | 0.7 | | Subbase | | | | | | | | | |
| | | | | 0.7 | 2.0 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | | A-1-a | | | | | | | |
| | | | | 2.0 | 5.0 | G-2 | f.c. SAND, I. silt, gry/brn, moist | | A-2-4 | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.52166203606,-72.5159736658) |
| B-111 | 10/8/2012 | 5.5 | 5.8 | 0.0 | 0.5 | | Asphalt Pavement | | | | | | | | | Difficult drilling to 3.5' |
| | | NB | | 0.5 | 3.5 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | 4.9 | A-1-a | 52.6 | 33.1 | 14.3 | NP | | | |
| | | | | 3.5 | 5.0 | G-2 | f.c. SAND, I. silt, gry, moist | 15.6 | A-2-4 | 21.4 | 45.6 | 33.0 | NP | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.52431705415,-72.5175129861) |
| B-112 | 10/8/2012 | 5.7 | 6.0 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Hard drilling to 2.3' |
| | | SB | | 0.4 | 2.3 | G-1 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | | A-1-a | | | | | | | |
| | | | | 2.3 | 5.0 | G-2 | f.c. SAND, I. silt, gry, moist | | A-1-b | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.52686442868,-72.5186065123) |
| B-113 | 10/8/2012 | 5.9 | 6.0 | 0.0 | 0.4 | | Asphalt Pavement | | | | | | | | | Very difficult drilling 2.5'-3' |
| | | NB | | 0.4 | 1.0 | | Subbase - f.c. GRAVEL visible from sidewall | | | | | | | | | |
| | | | | 1.0 | 2.5 | G-1 | f.c. SAND, S. Silt, t. f. gravel, d. brn, moist | 13.8 | A-2-4 | 15.3 | 52.5 | 32.2 | NP | | | |
| | | | | 2.5 | 5.0 | G-2 | f.c. GRAVEL, S. f.c. Sand, I. silt, brn, moist | | A-1-a | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.53013931629,-72.5182593686) |
| B-114 | 10/8/2012 | 6.1 | 7.1 | 0.0 | 0.6 | | Asphalt Pavement | | | | | | | | | Very easy drilling @ 3' |
| | | NB | | 0.6 | 3.0 | G-1 | f.c. GRAVEL and f.c. SAND, S. Silt, brn, moist | | A-1-b | | | | | | | Organics in G-2 consisted of root hairs |
| | | | | 3.0 | 5.0 | G-2 | Cl. SILT, I. f.c. sand, t. organics, d. brn, moist | | A-2-4 | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.53282922163,-72.5189356838) |
| B-115 | 10/8/2012 | 6.3 | 6.0 | 0.0 | 0.8 | | Asphalt Pavement | | | | | | | | | Zones of very difficult drilling to 3.5' |
| | | SB | | 0.8 | 3.5 | G-1 | f.c. SAND and f.c. GRAVEL, S. Silt, brn, moist | 6.6 | A-1-b | 38.4 | 39.3 | 22.3 | NP | | | Organics in G-2 consisted of root hairs. |
| | | | | 3.5 | 5.0 | G-2 | Cl. SILT and f.c. SAND, t. f.c. gravel, d. brn, moist | 16.2 | A-4 | 8.2 | 36.6 | 55.1 | NP | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.53561519478,-72.5202136297) |
| B-116 | 10/8/2012 | 6.5 | 8.9 | 0.0 | 0.8 | | Asphalt Pavement | | | | | | | | | Auger grinding to 2' |
| | | NB | | 0.8 | 2.0 | G-1 | f.c. SAND, S. Silt, S. f.c. Gravel, brn, moist | | A-1-b | | | | | | | Very easy drilling 4'-5' |
| | | | | 2.0 | 5.0 | G-2 | Cl. SILT, S. f.c. Sand, d. gry, moist | | A-4 | | | | | | | |
| | | | | | | | End of Boring @ 5.0' | | | | | | | | | (44.53804101656,-72.5214725672) |

NOTE: SEE PROJECT LAYOUT SHEETS FOR THE LOCATION OF BORE HOLES

BORING AND CORING SHEET 2

PROJECT NAME: ELMORE-MORRISTOWN
 PROJECT NUMBER: STP 2937 (1)
 FILE NAME: z11c310.dgn
 PROJECT LEADER: C. LATHROP
 DESIGNED BY: S. LAMPHERE
 PLOT FILE: z11c310_125.i
 PLOT DATE: 3/3/14
 DRAWN BY: S. LAMPHERE
 CHECKED BY: C. LATHROP
 SHEET 125 OF 194