

B-16 OLD ALG STA. 66+494.22 OFFSET -14.76
 B-16 NEW ALG. STA. 108+92.101 OFFSET 14.53

VTrans Working to Get You There
 STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-16
 SHEET 1 of 1
 DATE STARTED: 4/13/05
 DATE COMPLETED: 4/13/05

PROJECT NAME: MORRISTOWN PROJECT NUMBER: BRS 0240(3)S
 SITE NAME: RT 15-A SITE NUMBER: ROADWAY
 STATION: 66+494.22 GROUND ELEVATION: 644.65 ft
 OFFSET: -14.76 GROUNDWATER DEPTH: 4.92 ft 4/14/05
 VTSPG NAD83: PROJECT PIN NUMBER: 78F329

BORING CREW: TRUCK
 CREW CHIEF: TALLMAN BORING TYPE: WASH BORE
 DRILLER: TALLMAN SAMPLE TYPE: SPLIT BARREL
 LOGGER: RUSSELL CHECKED BY: DLG

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | N VALUE | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|---------------|--------|---|---------|----------|------------|-----------|---------------------|
| | | | RUN | REC (%) | RQD (%) | Dip (deg) | Drill Rate (min/ft) |
| 2.5 | | A-4, SiSa, gry, Moist, Rec. = 1.64 ft | 25 | 40.1 | 5.3 | 48.0 | 46.7 |
| 5.0 | | A-4, SiSa, gry-brn, Moist, Rec. = 1.31 ft | 5 | 35.3 | 0.1 | 50.7 | 49.2 |
| 7.5 | | A-4, SiSa, gry, Moist, Rec. = 1.97 ft | 3 | 38.3 | 0.9 | 49.9 | 49.2 |
| 9.02 | | Top of Bedrock @ 9.02 ft | | | | | |
| 9.02 - 13.94 | | 9.02 ft - 13.94 ft, Gray, Quartz-mica Schist, Moderately hard, Unweathered, NXMDC, Competent | 1 | 100 | 80 | 55 | 7 |
| 13.94 - 18.86 | | 13.94 ft - 18.86 ft, Gray, Quartz-mica Schist, Moderately hard, Unweathered, NXMDC, Competent | 2 | 100 | 98 | 55 | 7 |
| 18.86 - 20.0 | | Hole stopped @ 18.86 ft | | | | | |

PIER #1
 BOTTOM OF FOOTING EL. 635.25
 LOG OF BORING MORRISTOWN BRS0240(3)ENGLISH.GPJ VT AOT.GDT 4/28/14

VTrans Working to Get You There
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BORING NUMBER: B-17
 SHEET 1 of 1
 DATE STARTED: 4/14/05
 DATE COMPLETED: 4/15/05

PROJECT NAME: MORRISTOWN PROJECT NUMBER: BRS 0240(3)S
 SITE NAME: RT 15-A SITE NUMBER: ROADWAY
 STATION: 66+500.78 GROUND ELEVATION: 644.79 ft
 OFFSET: 0.00 GROUNDWATER DEPTH: 4.59 ft 4/15/05
 VTSPG NAD83: PROJECT PIN NUMBER: 78F329

BORING CREW: TRUCK
 CREW CHIEF: TALLMAN BORING TYPE: WASH BORE
 DRILLER: TALLMAN SAMPLE TYPE: SPLIT BARREL
 LOGGER: RUSSELL CHECKED BY: DLG

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | N VALUE | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|---------------|--------|---|---------|----------|------------|-----------|---------------------|
| | | | RUN | REC (%) | RQD (%) | Dip (deg) | Drill Rate (min/ft) |
| 3.28 - 4.27 | | Boulder, 3.28 ft - 4.27 ft | | | | | |
| 4.59 - 5.91 | | No sample, Into Boulder, 4.59 ft - 5.91 ft | | | | | |
| 8.86 - 10.17 | | No sample, Broke through, Then into another Boulder, 8.86 ft - 10.17 ft | | | | | |
| 10.83 | | Top of Bedrock @ 10.83 ft | | | | | |
| 10.83 - 15.75 | | 10.83 ft - 15.75 ft, Gray, Quartz-mica Schist, Moderately hard, Unweathered, NXMDC, Competent | 1 | 97 | 87 | 45 | 9 |
| 15.75 - 20.67 | | 15.75 ft - 20.67 ft, Gray, Quartz-mica Schist, Moderately hard, Unweathered, NXMDC, Competent | 2 | 100 | 96 | 45 | 7 |
| 20.67 - 22.5 | | Hole stopped @ 20.67 ft | | | | | |

PIER #1
 BOTTOM OF FOOTING EL. 635.25
 LOG OF BORING MORRISTOWN BRS0240(3)ENGLISH.GPJ VT AOT.GDT 4/28/14

VTrans Working to Get You There
 STATE OF VERMONT
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 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-19
 SHEET 1 of 1
 DATE STARTED: 5/04/05
 DATE COMPLETED: 5/06/05

PROJECT NAME: MORRISTOWN PROJECT NUMBER: BRS 0240(3)S
 SITE NAME: RT 15-A SITE NUMBER: ROADWAY
 STATION: 66+663.18 GROUND ELEVATION: 644.97 ft
 OFFSET: -13.12 GROUNDWATER DEPTH: 6.56 ft 5/06/05
 VTSPG NAD83: PROJECT PIN NUMBER: 78F329

BORING CREW: TRUCK
 CREW CHIEF: TALLMAN BORING TYPE: WASH BORE
 DRILLER: TALLMAN SAMPLE TYPE: SPLIT BARREL
 LOGGER: RUSSELL CHECKED BY: DLG

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | N VALUE | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|---------------|--------|--|---------|----------|------------|-----------|---------------------|
| | | | RUN | REC (%) | RQD (%) | Dip (deg) | Drill Rate (min/ft) |
| 3 | | A-2-4, SiSa, gry-brn, Moist, Rec. = 1.31 ft | 3 | 32.0 | 0.2 | 69.5 | 30.3 |
| 12 | | A-2-4, Sa, gry, Moist, Rec. = 0.66 ft | 12 | 24.3 | 4.8 | 80.5 | 14.7 |
| 15 | | A-3, Sa, gry, Moist, Rec. = 0.66 ft | 3 | 23.9 | 0.2 | 95.9 | 3.9 |
| 15 | | A-4, Si, gry, Moist, Rec. = 1.15 ft, Sample was tested for Limits (NP) | 28.6 | 0.0 | 0.0 | 9.8 | 90.2 |
| 20 | | A-4, SaSi, gry, Moist, Rec. = 1.31 ft | 5 | 29.6 | 0.0 | 22.9 | 77.1 |
| 25 | | A-1-b, Sa, brn, Moist, Rec. = 0.89 ft | 8 | 19.6 | 3.1 | 91.4 | 5.5 |
| 30 | | A-1-b, GrSa, brn, Moist, Rec. = 0.82 ft | 7 | 17.4 | 31.2 | 64.0 | 4.8 |
| 34.12 | | Top of Bedrock @ 34.12 ft | | | | | |
| 34.12 - 39.04 | | 34.12 ft - 39.04 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Competent | 1 | 92 | 73 | 60 | 11 |
| 39.04 - 43.96 | | 39.04 ft - 43.96 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Fair competency | 2 | 80 | 40 | 60 | 7 |
| 43.96 - 44.0 | | Hole stopped @ 43.96 ft | | | | | |

PIER #2
 ESTIMATED PILE TIP EL. 610.8
 BOTTOM OF PILE CAP EL. 631.00
 LOG OF BORING MORRISTOWN BRS0240(3)ENGLISH.GPJ VT AOT.GDT 4/28/14

PROJECT NAME: MORRISTOWN
 PROJECT NUMBER: BRS 0240(3)S/STP HES 030-2(28)
 FILE NAME: s78f329borlog.dgn PLOT DATE: 12-APR-2017
 PROJECT LEADER: C. CARLSON DRAWN BY: M&R
 DESIGNED BY: M&R CHECKED BY: M&R
 BORING LOGS 2 SHEET 77 OF 175