

| VT Trans | | STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION | | BORING LOG | | Boring No.: B-3 | | |
|--|------------|--|--|--|--------------------|--------------------------|--------|---------|
| | | | | CORINTH BRO 1447(29) Bridge #36 | | Page No.: 1 of 1 | | |
| | | | | Checked By: TAD | | | | |
| Boring Crew: NH Boring, Derry, NH, Burke (Stantec) | | Type: H.S.A. SS | | Casing Sampler | | Groundwater Observations | | |
| Date Started: 2/22/13 Date Finished: 2/22/13 | | I.D.: 4.25 in 1.38 in | | Date | | Date | | |
| VTSPG NAD83: N 570250.62 ft E 1713339.17 ft | | Hammer Wt: N.A. 140 | | Depth (ft) | | Notes | | |
| Station: 102+90.38 Offset: 6.46 LT | | Hammer Fall: N.A. 30 | | | | | | |
| Ground Elevation: 704.2 ft | | Hammer/Rod Type: Safety/N | | | | | | |
| | | Rig: CME 750 <<SUB><<SUB> = 1 | | | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | | Blows/ft (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| | | Not Sampled, Frozen soil | | | | | | |
| | | Visual Classification, GrSa, brn, Moist, Rec. = 1.3 ft | | 27-53-76-59 (129) | | | | |
| 2.5 | | A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft | | 37-23-38-33 (59) | 24.4 | 7.0 | 66.0 | 27.0 |
| 5.0 | | Visual Classification, SiSa, brn, Moist, Rec. = 1.3 ft | | 4-3-3-5 (6) | | | | |
| 7.5 | | Visual Classification, GrSiSa, Dark brown, Moist, Rec. = 0.7 ft | | 7-9-13-22 (22) | | | | |
| 10.0 | | Visual Classification, Sa, tan, Wet, Rec. = 1.5 ft | | 8-8-8-20 (16) | | | | |
| 12.5 | | Visual Classification, Sa, brn, Wet, Rec. = 0.2 ft | | 100/2 (R) | | | | |
| 15.0 | | Hole stopped @ 13.5 ft | | Top of Bedrock @ 13.5 ft | | | | |
| 17.5 | | Remarks: Auger refusal on probable bedrock at 13.5 feet below ground surface. | | | | | | |
| Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. <<SUB><<SUB> is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. | | | | | | | | |

ABUTMENT 2
TOP OF FOOTING
EL. 694.00

| VT Trans | | STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION | | BORING LOG | | Boring No.: B-4 | | | | | |
|--|------------|---|--|--|---------------------|--------------------------|--------------------|--------------------|----------|--------|---------|
| | | | | CORINTH BRO 1447(29) Bridge #36 | | Page No.: 1 of 1 | | | | | |
| | | | | Checked By: TAD | | | | | | | |
| Boring Crew: NH Boring, Derry, NH, Burke (Stantec) | | Type: H.S.A. SS | | Casing Sampler | | Groundwater Observations | | | | | |
| Date Started: 2/21/13 Date Finished: 2/21/13 | | I.D.: 4.25 in 1.38 in | | Date | | Date | | | | | |
| VTSPG NAD83: N 570234.19 ft E 1713337.64 ft | | Hammer Wt: N.A. 140 | | Depth (ft) | | Notes | | | | | |
| Station: 102+98.75 Offset: 7.83 RT | | Hammer Fall: N.A. 30 | | | | | | | | | |
| Ground Elevation: 704.1 ft | | Hammer/Rod Type: Safety/N | | | | | | | | | |
| | | Rig: CME 750 <<SUB><<SUB> = 1 | | | | | | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | | Run (Dip deg.) | Core Rec. % (RCD %) | Drill Rate minutes/ft | Blows/ft (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| | | Not Sampled, Frozen soil | | | | | | | | | |
| | | Visual Classification, SiSa, brn, Moist, Rec. = 1.5 ft | | | | | 33-34-27-7 (61) | | | | |
| 2.5 | | A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft | | | | | 8-20-15-10 (35) | 17.9 | 6.4 | 63.6 | 30.0 |
| 5.0 | | Visual Classification, GrSa, Dk/brn, Moist, Rec. = 0.3 ft | | | | | 4-100/4 (R) | | | | |
| 7.5 | | Probable weathered rock, Rec. = 0.2 ft, 5.5 ft - 6.0 ft | | | | | | | | | |
| 10.0 | | 6.0 ft - 11.0 ft, Gry, Phyllite, Hard, Fresh, Fair rock, NXDC, Joints are low angle, closely spaced, smooth to rough, and tight. RMR = 64 | | 1 (30) | 90 (59) | 6 | | | | | |
| 12.5 | | | | | | | | | | | |
| 15.0 | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | |
| | | 11.0 ft - 16.0 ft, Gry, Phyllite, Hard, Fresh, Good rock, NXDC, Joints are low angle, moderately spaced, smooth, and tight. RMR = 47 | | 2 (30) | 97 (97) | 7 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | Hole stopped @ 16.0 ft | | Top of Bedrock @ 6.0 ft | | | | | | | |
| Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. <<SUB><<SUB> is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. | | | | | | | | | | | |

ABUTMENT 2
TOP OF FOOTING
EL. 694.00

8/4/2014 12:33:45 PM V:\9533\active\95310795\transportation\drawing\201292_bor2.dgn

BORING LOG VTRANS CORINTHVT.GPJ VERMONT AOT.GDT 3/26/13

BORING LOG VTRANS CORINTHVT.GPJ VERMONT AOT.GDT 3/26/13



| | |
|--|---------------------------------|
| PROJECT NAME: CORINTH | PLOT DATE: 8/4/2014 |
| PROJECT NUMBER: BRO 1447(29) | DRAWN BY: J. SOTER |
| FILE NAME: ...drawing\201292_bor2.dgn | DESIGNED BY: M. CHENETTE |
| PROJECT LEADER: G. BOGUE | CHECKED BY: G. BOGUE |
| BORING LOG 2 | SHEET 21 OF 57 |