

| South Street Bridge Replacement SUBSURFACE LOG HOLE NUMBER B-202 | | | | | | | | | | |
|--|----------------------|--------------|-------------------------------------|--------------------------|--------------|----------|---|------------------|--|-------------------------------|
| PROJECT NUMBER: 22718.1000.32000 Page 1 of 3 | | | | | | | | | | |
| LOCATION: Bristol, Vermont | | | | | | | | | | |
| CLIENT: VTrans | | | | | | | | | | |
| CONTRACTOR: New Hampshire Boring, Inc. | | | | | | | | | | |
| DRILLER: B. Thompson INSPECTOR: K. Owens | | | | | | | | | | |
| START DATE and TIME: 3/23/2011 7:45:00 AM | | | | | | | | | | |
| FINISH DATE and TIME: 3/24/2011 12:30:00 PM | | | | | | | | | | |
| SURFACE ELEV: 494.30 (ft; Estimated) CHECKED BY: K. Adnams | | | | | | | | | | |
| SAMP./CORE NUMBER | SAMP. ADV. LEN. (ft) | RECOVERY (%) | Blows Per 6" on Split Spoon Sampler | "N" Value or RODX SAMPLE | DEPTH (feet) | GRAPHICS | DESCRIPTION AND CLASSIFICATION | ELEVATION (feet) | Remarks on Character of Drilling, Water Return, etc. | WATER LEVELS AND/OR WELL DATA |
| SS-1 | 2 | 0.2 | 11-8-5-11 | 13 | 2 | | ASPHALT | 494 | Lab results are included for each sample. When insufficient sample mass was recovered for testing the description of the sample was based on field observations and denoted with " * * *". | |
| SS-2 | 2 | 0.4 | 8-6-6-9 | 12 | 4 | | f.m.c. SAND, little silt, little f.c. gravel, light brown, medium compact, moist (SM) | 492 | Groundwater observations made during drilling may not represent static conditions. | |
| SS-3 | 2 | 0 | 7-3-4-4 | 7 | 6 | | No recovery | 490 | Roller bit through asphalt 0.0'-0.5'. Coarse gravel blocking shoe of sample SS-1. ***(SS-1) Gravel: 68.8%, Sand: 21.9%, Fines: 9.3%. ***(SS-2) Gravel: 67.0%, Sand: 22.8%, Fines: 10.2%. Due to lack of recovery of sample SS-3 and high gravel content of wash, the 3" spoon was advanced after SS to attempt to obtain sample to determine in-situ material. | |
| SS-4 | 2 | 0 | 6-5-4-6 | 9 | 10 | | f.c. GRAVEL, Some f.m.c. Sand, trace silt, brown, loose, wet (GP) | 484 | Due to lack of recovery of sample SS-4 and high gravel content of wash, the 3" spoon was advanced after SS to obtain sample to determine in-situ material. **Gravel: 69.7%, Sand: 24.3%, Fines: 6.0%. | |
| SS-5 | 2 | 0 | 5-5-5-5 | 10 | 16 | | No recovery | 480 | Roller bit grinding 14.5'-15.0'. Due to lack of recovery of sample SS-5 and high gravel content of wash, the 3" spoon was advanced after SS to attempt to obtain sample to determine in-situ material. **Gravel: 85.8%, Sand: 10.3%, Fines: 3.9%. | |
| BOTTOM OF PILE CAP ELEV. 479.00 | | | | | | | | | | |

| South Street Bridge Replacement SUBSURFACE LOG HOLE NUMBER B-202 | | | | | | | | | | |
|--|----------------------|--------------|-------------------------------------|--------------------------|--------------|----------|---|------------------|---|-------------------------------|
| PROJECT NUMBER: 22718.1000.32000 Page 2 of 3 | | | | | | | | | | |
| SAMP./CORE NUMBER | SAMP. ADV. LEN. (ft) | RECOVERY (%) | Blows Per 6" on Split Spoon Sampler | "N" Value or RODX SAMPLE | DEPTH (feet) | GRAPHICS | DESCRIPTION AND CLASSIFICATION | ELEVATION (feet) | Remarks on Character of Drilling, Water Return, etc. | WATER LEVELS AND/OR WELL DATA |
| SS-6 | 2 | 0.3 | 9-9-12-19 | 21 | 22 | | f.c. GRAVEL, Some f.m.c. Sand, little silt, light brown, medium compact, wet (GP) | 474 | **Gravel: 65.1%, Sand: 12.7%, Fines: 22.2%. | |
| SS-7 | 1.8 | 0.2 | 9-9-12-50/4" | 21 | 26 | | Similar Soil (GP) | 472 | **Gravel: 56.3%, Sand: 27.4%, Fines: 16.3%. | |
| SS-8 | 2 | 0.6 | 15-16-15-16 | 31 | 28 | | becomes compact (GP) | 468 | Roller bit grinding 26.5'-27.0'. | |
| SS-9 | 2 | 0.7 | 22-29-17-14 | 46 | 30 | | f.m.c. SAND, little silt, little f.c. gravel, brown/gray, compact, moist (SM) | 466 | Roller bit grinding 28.0'-28.5'. | |
| SS-10 | 2 | 0 | 16-9-10-15 | 19 | 32 | | f.m.c. SAND, Some f.c. Gravel, trace silt, brown, medium compact, wet (SP) | 464 | Silt and f. sand lens observed in sample SS-8, approximately 1" thick. **Gravel: 40.3%, Sand: 39.2%, Fines: 20.5%. | |
| | | | | | 34 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 462 | **Gravel: 57.8%, Sand: 25.3%, Fines: 16.9%. | |
| | | | | | 36 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 460 | **Gravel: 57.8%, Sand: 25.3%, Fines: 16.9%. | |
| | | | | | 38 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 458 | **Gravel: 57.8%, Sand: 25.3%, Fines: 16.9%. | |
| | | | | | 40 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 456 | **Gravel: 57.8%, Sand: 25.3%, Fines: 16.9%. | |
| | | | | | 42 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 454 | Due to lack of recovery of sample SS-10 and high gravel content of wash, the 3" spoon was advanced after SS to attempt to obtain sample to determine in-situ material. **Gravel: 75.9%, Sand: 15.0%, Fines: 9.1%. | |
| | | | | | 44 | | f.m.c. SAND, little silt, little f.c. gravel, brown, loose, wet (GP) | 452 | Due to lack of recovery of sample SS-10 and high gravel content of wash, the 3" spoon was advanced after SS to attempt to obtain sample to determine in-situ material. **Gravel: 75.9%, Sand: 15.0%, Fines: 9.1%. | |

PROJECT NAME: BRISTOL
PROJECT NUMBER: BRO 1445(32)

FILE NAME: s05J352Boring_logs.dgn PLOT DATE: 04-JUN-2013
PROJECT LEADER: J. LACROIX DRAWN BY: R. PELLET
DESIGNED BY: G. LAROCHE CHECKED BY: T. FILLBACH
BORING LOG SHEET #4 SHEET 24 OF 66