# NCDOT GEOTECHNICAL ENGINEERING UNIT
# BORELOG REPORT

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|---|---|---|---|
| **WBS** 38688.1.3 | **TIP** I-0914BB | **COUNTY** WARREN | **GEOLOGIST** Contract Geologist |
| **SITE DESCRIPTION** SITE 1: DUAL BRIDGES ON -L- (I-85) OVER -Y2- (POPLAR MOUNT RD.) | | | **GROUND WTR (ft)** |
| **BORING NO.** EB1-C | **STATION** 196+34 | **OFFSET** 14 ft LT | **ALIGNMENT** -L- | **0 HR.** N/A |
| **COLLAR ELEV.** 359.0 ft | **TOTAL DEPTH** 75.4 ft | **NORTHING** 990,286 | **EASTING** 2,220,404 | **24 HR.** 27.0 |
| **DRILL RIG/HAMMER EFF./DATE** SME1524 CME-45B 87% 10/07/2011 | | **DRILL METHOD** Mud Rotary | **HAMMER TYPE** Automatic |
| **DRILLER** Contract Driller | **START DATE** 12/13/13 | **COMP. DATE** 12/13/13 | **SURFACE WATER DEPTH** N/A |

| ELEV (ft) | DRIVE ELEV (ft) | DEPTH (ft) | BLOW COUNT 0.5ft | 0.5ft | 0.5ft | BLOWS PER FOOT 0 25 50 75 100 | SAMP. NO. | MOI | LOG | SOIL AND ROCK DESCRIPTION ELEV. (ft) | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | | | | | | | | | | 359.0 GROUND SURFACE | 0.0 |
| | 358.0 | 1.0 | | | | | | | | **ROADWAY EMBANKMENT** BROWN, GRAY, AND ORANGE, SANDY CLAY | |
| | | | 3 | 3 | 6 | 9 | | M | | | |
| 355 | 355.5 | 3.5 | | | | | | | | | |
| | | | 3 | 3 | 2 | 5 | | M | | | |
| | 353.0 | 6.0 | | | | | | | | | |
| | | | 2 | 2 | 2 | 4 | | M | | | |
| 350 | 350.5 | 8.5 | | | | | | | | | |
| | | | 2 | 3 | 3 | 6 | | M | | | |
| 345 | 345.5 | 13.5 | | | | | | | | | |
| | | | 5 | 5 | 5 | 10 | | W | | | |
| 340 | 340.5 | 18.5 | | | | | | | | | |
| | | | 3 | 4 | 5 | 9 | | M | | | |
| | | | | | | | | | | 337.0 | 22.0 |
| 335 | 335.5 | 23.5 | | | | | | | | **ARTIFICIAL FILL** BROWN, GRAY, AND RED, SILTY CLAY | |
| | | | 1 | 1 | 1 | 2 | | M | | | |
| 330 | 330.5 | 28.5 | | | | | | | | | |
| | | | WOH | WOH | 1 | 1 | | W | | | |
| | | | | | | | | | | 327.0 | 32.0 |
| 325 | 325.5 | 33.5 | | | | | | | | **RESIDUAL** GRAY, SANDY CLAY | |
| | | | 2 | 3 | 5 | 8 | | M | | | |
| | | | | | | | | | | 322.0 | 37.0 |
| 320 | 320.5 | 38.5 | | | | | | | | BROWN, GRAY, AND TAN, SANDY SILT | |
| | | | 2 | 4 | 4 | 8 | | M | | | |
| 315 | 315.5 | 43.5 | | | | | | | | | |
| | | | 2 | 4 | 5 | 9 | | M | | | |
| 310 | 310.5 | 48.5 | | | | | | | | | |
| | | | 2 | 4 | 4 | 8 | | M | | | |
| 305 | 305.5 | 53.5 | | | | | | | | | |
| | | | 3 | 3 | 5 | 8 | | M | | | |
| 300 | 300.5 | 58.5 | | | | | | | | | |
| | | | 3 | 6 | 6 | 12 | | M | | | |
| 295 | 295.5 | 63.5 | | | | | | | | | |
| | | | 3 | 7 | 9 | 16 | | M | | | |
| 290 | 290.5 | 68.5 | | | | | | | | | |
| | | | 8 | 12 | 22 | 34 | | M | | | |
| | | | | | | | | | | 288.0 | 71.0 |
| 285 | 285.5 | 73.5 | | | | | | | | **WEATHERED ROCK** (GNEISS) | |
| | | | 100/0.4 | | | 100/0.4 | | | | | |
| | 283.6 | 75.4 | 60/0.0 | | | 60/0.0 | | | | 283.6 | 75.4 |
| | | | | | | | | | | Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 283.6 ft ON CRYSTALLINE ROCK | |


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|---|---|---|---|---|---|---|---|---|---|---|
| 280 | | | | | | Match Line | | | | |
| | | | | | | | | | | (GNEISS) |