# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
## GEOTECHNICAL UNIT BORING LOG

| | | | |
|---|---|---|---|
| **PROJECT NO.** 34459.1.6 | **ID.** R-2552C | **COUNTY** JOHNSTON | **GEOLOGIST** J.L. LOVE |
| **SITE DESCRIPTION** NEW BRIDGE ON -L2RT- (US 70 BYPASS) OVER LITTLE CREEK | | | **GROUND WATER** |
| **BORING NO.** BI-A | **BORING LOCATION** 109+97.0 | **OFFSET** 1.8m LT | **ALIGNMENT** -L2RT- | **0 HR.** N/A |
| **COLLAR ELEV.** 54.27m | **NORTHING** 206111.0 | **EASTING** 659352.3 | **24 HR.** 0.20m |
| **TOTAL DEPTH** 16.42m | **DRILL MACHINE** GO TRACT | **DRILL METHOD** WASH BORING | **HAMMER TYPE** MANUAL |
| **START DATE** 7/20/04 | **COMPLETION DATE** 7/20/04 | **SURFACE WATER DEPTH** N/A | **DEPTH TO ROCK** 16.42m |

| ELEV. | DEPTH | BLOW COUNT 15cm | 15cm | 15cm | PEN. (m) | BLOWS PER 30cm (0 25 50 75 100) | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 54.27 | | | | | | | | | | |
| 54.00 | | | | | | | | | | |
| | 1.20 | 7 | 8 | 6 | 0.30 | 14 | | W | | ALLUVIAL, TAN, SAND |
| 52.00 | 2.72 | 9 | 10 | 12 | 0.30 | 22 | | W | | ORANGE-BROWN, COARSE SAND AND GRAVEL |
| 50.00 | 4.24 | 4 | 8 | 9 | 0.30 | 17 | SS-17 | S | | |
| | 5.76 | 16 | 27 | 34 | 0.30 | 61 | | S | | RESIDUAL, TAN-ORANGE, COARSE SAND |
| 48.00 | 7.28 | 22 | 28 | 32 | 0.30 | 60 | SS-18 | W | | |
| 46.00 | 8.80 | 3 | 6 | 8 | 0.30 | 14 | SS-19 | M | | TAN, SANDY CLAY WITH STREAKS OF SOFT WEATHERED ROCK |
| 44.00 | 10.32 | 22 | 47 | 53 | 0.27 | 100+ | | | | SOFT WEATHERED ROCK (META-GRANITE) |
| 42.00 | 11.84 | 31 | 69 | | 0.29 | 100+ | | | | |
| | 13.36 | 27 | 25 | 30 | 0.30 | 55 | SS-20 | M | | RESIDUAL, ORANGE-PINK, COARSE SAND |
| 40.00 | 14.88 | 50 | 50 | | 0.20 | 100+ | | | | SOFT WEATHERED ROCK (META-GRANITE) |
| 38.00 | 16.40 | 50 | | | 0.02 | 50/0.02 | | | | HARD WEATHERED ROCK (META-GRANITE) |
| 36.00 | | | | | | BORING TERMINATED AT ELEVATION 37.85 METERS ON HARD WEATHERED ROCK (META-GRANITE) | | | | |

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## GEOTECHNICAL UNIT BORING LOG



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|---|---|---|---|
| **PROJECT NO.** 34459.1.6 | **ID.** R-2552C | **COUNTY** JOHNSTON | **GEOLOGIST** T.P. MOOREFIELD |
| **SITE DESCRIPTION** NEW BRIDGE ON -L2RT- (US 70 BYPASS) OVER LITTLE CREEK | | | **GROUND WATER** |
| **BORING NO.** BI-B | **BORING LOCATION** 110+03.9 | **OFFSET** 10.2m RT | **ALIGNMENT** -L2RT- | **0 HR.** 0.40m |
| **COLLAR ELEV.** 54.21m | **NORTHING** 206097.2 | **EASTING** 659353.6 | **24 HR.** 0.30m |
| **TOTAL DEPTH** 9.09m | **DRILL MACHINE** MOBILE B-57 | **DRILL METHOD** HSA/ROTARY | **HAMMER TYPE** MANUAL |
| **START DATE** 7/16/04 | **COMPLETION DATE** 7/16/04 | **SURFACE WATER DEPTH** N/A | **DEPTH TO ROCK** 9.09m |

| ELEV. | DEPTH | BLOW COUNT 15cm | 15cm | 15cm | PEN. (m) | BLOWS PER 30cm (0 25 50 75 100) | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 54.21 | | | | | | | | | | |
| 54.00 | | | | | | | | | | |
| | 1.20 | 7 | 6 | 4 | 0.30 | 10 | SS-11 | W | | ALLUVIAL, TAN-GRAY, SILTY SAND |
| 52.00 | 2.72 | 14 | 13 | 18 | 0.30 | 31 | SS-12 | M | | RESIDUAL, ORANGE-TAN, SAND, SAPROLITE |
| 50.00 | 4.24 | 18 | 33 | 34 | 0.30 | 67 | | M | | |
| | 5.76 | 31 | 44 | 37 | 0.30 | 81 | SS-13 | M | | |
| 48.00 | 7.28 | 6 | 25 | 28 | 0.30 | 53 | | M | | |
| 46.00 | 8.80 | 12 | 29 | 71 | 0.22 | 100+ | | | | SOFT WEATHERED ROCK (META-GRANITE) |
| 44.00 | | | | | | AUGER REFUSAL AT ELEVATION 45.12 METERS ON HARD ROCK (META-GRANITE) | | | | |
| 42.00 | | | | | | | | | | |
| 40.00 | | | | | | | | | | |
| 38.00 | | | | | | | | | | |
| 36.00 | | | | | | | | | | |