

# SCDOT Soil Test Log

|                                 |  |                              |                              |                     |                          |
|---------------------------------|--|------------------------------|------------------------------|---------------------|--------------------------|
| <b>Project ID:</b>              | P027662  | <b>County:</b>               | Lexington/Richland           | <b>Boring No.:</b>  | B-42                     |
| <b>Site Description:</b>        | Carolina Crossroads I-20/26/126 Corridor Improvement Project |                              |                              | <b>Route:</b>       | Site 42                  |
| <b>Eng./Geo.:</b>               | NGS  | <b>Boring Location:</b>      | 15+14.99                     | <b>Offset:</b>      | L:70.78'                 |
| <b>Elev.:</b>                   | 218.6 ft   | <b>Latitude:</b>             | 34.021612                    | <b>Longitude:</b>   | -81.094321               |
| <b>Total Depth:</b>             | 87 ft  | <b>Soil Depth:</b>           | 66.5 ft                      | <b>Core Depth:</b>  | 20.5 ft                  |
| <b>Date Started:</b>            | 3/1/2018   |                              |                              |                     |                          |
| <b>Date Completed:</b>          | 3/2/2018   |                              |                              |                     |                          |
| <b>Bore Hole Diameter (in):</b> | 3.5  | <b>Sampler Configuration</b> | <b>Liner Required:</b> Y (N) |                     | <b>Liner Used:</b> Y (N) |
| <b>Drill Machine:</b>           | CME 55   | <b>Drill Method:</b>         | RW                           | <b>Hammer Type:</b> | Automatic                |
| <b>Energy Ratio:</b>            | 84.1%  |                              |                              |                     |                          |
| <b>Core Size:</b>               | NQ   | <b>Driller:</b>              | T. Miller                    | <b>Groundwater:</b> | TOB 5 ft                 |
| <b>24HR</b>                     | 21 ft  |                              |                              |                     |                          |

| Elevation (ft) | Depth (ft) | MATERIAL DESCRIPTION  | Graphic Log | Sample Depth (ft) | Sample No./Type | 1st 6" | 2nd 6" | 3rd 6" | 4th 6" | N Value | <div> ● SPT N VALUE ● </div> <div> PL X MC O LL X </div> <div> ▲ FINES CONTENT (%) </div> |
|----------------|------------|---|-------------|-------------------|-----------------|--------|--------|--------|--------|---------|---|
| 193.6          |            | @ 23.5 feet - moist to wet.   |             | 23.5              | SS-8            | 3      | 6      | 8      |        | 14      | ●   |
| 188.6          |            |   |             | 28.5              | SS-9            | 3      | 5      | 7      |        | 12      | ●   |
| 183.6          |            | @ 33.5 feet - [LL=32, PL=29, PI=3, NMC=25.7%, %200=41.1], AASHTO = A-4 (0). |             | 33.5              | SS-10           | 4      | 6      | 7      |        | 13      | ● O X ▲   |
|                |            |   |             | 38.5              | SS-11           | 5      | 4      | 9      |        | 13      | ●   |

## LEGEND

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| SAMPLER TYPE            |                        | DRILLING METHOD                |                  |
|-------------------------|------------------------|--------------------------------|------------------|
| SS - Split Spoon        | NQ - Rock Core, 1-7/8" | HSA - Hollow Stem Auger        | RW - Rotary Wash |
| UD - Undisturbed Sample | CU - Cuttings          | CFA - Continuous Flight Augers | RC - Rock Core   |
| AWG - Rock Core, 1-1/8" | CT - Continuous Tube   | DC - Driving Casing            |                  |