

SCDOT Soil Test Log

| | | | | | | | | | | | |
|--------------------------|----------|--|-----------------------|-------------|-----------------|--------------------|---------------|-----------------|---------------|-----------|---------|
| Project ID: | | P027662 | | | County: | Lexington/Richland | | Boring No.: | B-56 | | |
| Site Description: | | Carolina Crossroads I-20/26/126 Corridor Improvement Project | | | | | | Route: | Site 38 | | |
| Eng./Geo.: | | AKS | Boring Location: | | 201+60.83 | | Offset: | L:183.302' | Alignment: | Proposed | |
| Elev.: | 305.8 ft | Latitude: | 34.039615 | Longitude: | -81.094676 | | Date Started: | | 3/16/2018 | | |
| Total Depth: | | 101.4 ft | Soil Depth: | 80.8 ft | Core Depth: | 20.6 ft | | Date Completed: | | 3/20/2018 | |
| Bore Hole Diameter (in): | | 7.5 | Sampler Configuration | | Liner Required: | | Y | (N) | Liner Used: | Y | (N) |
| Drill Machine: | | D-50 | Drill Method: | RW | | Hammer Type: | Automatic | | Energy Ratio: | 86.5% | |
| Core Size: | | NQ | Driller: | J. Millwood | | Groundwater: | TOB | 12.9 ft | | 24HR | 20.7 ft |

| Elevation (ft) | Depth (ft) | MATERIAL DESCRIPTION | Graphic Log | Sample Depth Depth (ft) | Sample No./Type | 1st 6" | 2nd 6" | 3rd 6" | 4th 6" | N Value | ● SPT N VALUE ● PL — MC — LL ▲ FINES CONTENT (%) | | |
|-------------------|---------------|---|----------------|----------------------------------|--------------------|--------|--------|--------|--------|---------|--|-------|---|
| | | | | | | | | | | | 0 10 20 30 40 50 60 70 80 90 | | |
| | | ▼ | | | | | | | | | | | |
| | | @ 23.5 feet - very loose. | | 23.5 | | | | | | | | | |
| 280.8 | | | | | SS-8 | 1 | 1 | 1 | | 2 | ● | | |
| | | | | | | | | | | | | | |
| | | @ 28.5 feet - loose. | | 28.5 | | | | | | | | | |
| 275.8 | | | | | SS-9 | 2 | 1 | 4 | | 5 | ● | | |
| | | | | | | | | | | | | | |
| | 33.5 | | | 33.5 | | | | | | | | | |
| 270.8 | | PIEDMONT RESIDUUM - ELASTIC SILT WITH SAND (MH) - stiff, moist, yellowish brown (10YR 5/4), mostly high plasticity fines, little fine sands, trace weathered rock fragments, [LL=60, PL=36, PI=24, NMC=38.6%, % $\#200$ =75.8], AASHTO = A-7-5 (21). | | | SS-10 | 1 | 4 | 5 | | 9 | ● | ○ — ○ | ▲ |
| | | | | | | | | | | | | | |
| | | @ 38.5 feet - trace mica. | | 38.5 | | | | | | | | | |
| | | | | | SS-11 | 3 | 5 | 6 | | 11 | ● | | |

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 | |