

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 (ft)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	4th 6"	N Value	<div> <div>● SPT N VALUE ●</div> <div> <div>PL</div> <div>MC</div> <div>LL</div> </div> <div>▲ FINES CONTENT (%)</div> </div>
	80.8	fragments. Tri-Cone Bit Refusal at 80.8 feet. Install NW Casing to 80.8 feet for NQ wireline coring. For discontinuity descriptors, see discontinuity worksheet.		80.8							
		METAMORPHIC BEDROCK - SCHIST - bluish gray (GLEY 2 5/10B), fine to medium grained, slightly weathered, foliated strong rock, quartz veins and stringers throughout. @ 84 feet - moderately weathered, medium strong rock. RC-1: Rec= 100%, RQD= 73%, GSI= 60-70, RMR = 28. @ 85.6 feet - quartz vein.		85.4	RC-1						
		RC-2: Rec= 96%, RQD= 30%, GSI= 60-70.			RC-2						
	215.8	@ 91.1 feet - slightly weathered, strong rock.		90.4	RC-3						
		RC-3: Rec= 100%, RQD= 78%, GSI= 60-70, RMR = 42.									
	210.8	@ 97.6 - 98.4 feet - brown (10YR 4/3), residual soil zone. @ 98.4 feet - bluish gray (5/10B), moderately weathered, medium strong rock.		95.4	RC-4						

LEGEND

Continued Next Page

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	