

SCDOT Soil Test Log

Project ID:	P027662	County:	Lexington/Richland	Boring No.:	W-29
Site Description:	Carolina Crossroads I-20/26/126 Corridor Improvement Project			Route:	I-20
Eng./Geo.:	AKS	Boring Location:	205+83.54	Offset:	R:192.263
Elev.:	284.2 ft	Latitude:	34.038238	Longitude:	-81.095809
Date Started:	3/23/2018				
Total Depth:	59.9 ft	Soil Depth:	49.3 ft	Core Depth:	10.6 ft
Date Completed:	3/26/2018				
Bore Hole Diameter (in):	3.5	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 10.1 ft
24HR	6.8 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 MC LL </div> <div> ▲ FINES CONTENT (%) </div>
239.2	43.5				SS-12	50/4"	-			100	
234.2	48.5	Tri-Cone Bit Refusal at 49.3 feet. Install NW Casing to 49.3 feet for NQ wireline coring.			SS-13	50/0"	-			100	
229.2	49.3	For discontinuity descriptors, see discontinuity worksheet.			RC-1						
	50.6	METAMORPHIC BEDROCK - SCHIST - gray (GLEY 1 4/), coarse grained, foliated, moderately weathered, strong rock. RC-1: Rec= 100%, RQD= 0.0%, GSI= 50-60. @ 52.6 feet - fine grained, slightly weathered.			RC-2						
	55.6	RC-2: Rec= 88.0%, RQD= 38.3%, GSI= 45-55. @ 56.5 feet - moderately weathered. @ 57.2 TO 58.2 feet - residual soil.			RC-3						
59.9		RC-3: Rec= 100%, RQD= 13.5%, GSI= 40-50.									

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	