

Project ID: P027662				County: Lexington/Richland		Boring No.: B-42	
Site Description: Carolina Crossroads I-20/26/126 Corridor Improvement Project					Route: Site 42		
Eng./Geo.: NGS		Boring Location: 15+14.99		Offset: L:70.78'		Alignment: Proposed	
Elev.: 218.6 ft		Latitude: 34.021612		Longitude: -81.094321		Date Started: 3/1/2018	
Total Depth: 87 ft		Soil Depth: 66.5 ft		Core Depth: 20.5 ft		Date Completed: 3/2/2018	
Bore Hole Diameter (in): 3.5		Sampler Configuration		Liner Required: Y (N)		Liner Used: Y (N)	
Drill Machine: CME 55		Drill Method: RW		Hammer Type: Automatic		Energy Ratio: 84.1%	
Core Size: NQ		Driller: T. Miller		Groundwater: TOB 5 ft		24HR 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	● SPT N VALUE ● PL — MC — LL ▲ FINES CONTENT (%)
153.6	66.5	Tri-Cone Bit Refusal at 66.5 feet. Install NW Casing to 66.5 feet for NQ wireline coring.		63.5	SS-16	50/2"	-	-	-	100	
		For discontinuity descriptors, see discontinuity worksheet.		66.5	RC-1						
148.6		IGNEOUS BEDROCK - GRANITE - pinkish-gray (5R 7/1), pale red (5R 7/3), and reddish-brown (5R 2.5/1), coarse grained, massive, moderately weathered, medium strong rock.		69.5							
		RC-1: Rec= 83.3%, RQD= 44.4%, GSI= 40-50.									
		@ 69.1 feet - slightly weathered, strong rock.			RC-2						
		RC-2: Rec= 100%, RQD= 58.3%, GSI= 45-55, RMR = 47.									
		@ 73.8 feet - moderately weathered, medium strong rock.		74.5							
143.6		@ 75 feet - slightly weathered, strong rock.			RC-3						
		RC-3: Rec= 90.0%, RQD= 51.7%, GSI= 45-55.		79.5							

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	