

SCDOT Soil Test Boring Log

File No.:	38-40308.2	Project No. (PIN):	0040308	County:	Orangeburg	Eng./Geo.:	B. Livingston
Site Description:	Bridge Replacement Over Four Hole Swamp					Route:	US301
Boring No.:	B-3A	Boring Location:	5950+10.72	Offset:	6.25 L	Alignment:	Proposed
Elev.:	120.3 ft	Latitude:	33.4575	Longitude:	-80.6475	Date Started:	12/8/2014
Total Depth:	131.2 ft	Soil Depth:	120 ft	Core Depth:	ft	Date Completed:	12/8/2014
Bore Hole Diameter (in):	4	Sampler Configuration	Liner Required: Y (N)		Liner Used: Y (N)		
Drill Machine:	CME 55	Drill Method:	Mud Rotary	Hammer Type:	Safety Hammer	Energy Ratio:	76.4%
Core Size:		Driller:	Carolina Drilling	Groundwater:	TOB 9.5 ft	24HR	

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value	<div> ● SPT N VALUE ● </div> <div> PL X MC O LL X </div> <div> ▲ FINES CONTENT (%) </div>
15.3		Very dense, wet, gray, medium to coarse grained, well graded SAND with silt (SW-SM), slightly micaceous		104.7	SS-31	23	29	40	69	●
10.3				109.7	SS-32	34	50/5"		100	●
113.0		Very hard, wet, dark gray and black, Sandy Lean CLAY (CL), micaceous		114.7	SS-32	13	33	50/5"	100	●
5.3				119.7	SS-34	13	29	39	68	▲ ○ ●
118.0		Very dense, wet, dark gray, fine to medium grained, poorly graded SAND with silt (SP-SM), micaceous SS-34: MC=30.3%, LL=NP, PL=NP, PI=NP, FC=5%		124.7	SS-35	50/0"			100	●
-4.7		Very hard, wet, black, Sandy Elastic SILT (MH), micaceous		129.7	SS-36	42	50/4.5"		100	●
-9.7										
-14.7		Boring Terminated at 131.2'								
-19.7		Groundwater Encountered at 9.5' at Time of Boring								
-24.7										
-29.7										

LEGEND

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