NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist
SITE DESCRIPTION SITE #2: BRIDGE NO. 50 ON I-85 NBL (-NBL-) OVER US 158 (-Y2SBL-)			**GROUND WTR (ft)**
BORING NO. EB1-A	**STATION** 175+93	**OFFSET** 2 ft LT	**ALIGNMENT** -NBL- — **0 HR.** Dry
COLLAR ELEV. 455.4 ft	**TOTAL DEPTH** 16.6 ft	**NORTHING** 945,236	**EASTING** 2,177,785 — **24 HR.** Dry
DRILL RIG/HAMMER EFF./DATE F&R3495 CME-55 84% 12/14/2012		**DRILL METHOD** SPT Core Boring	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** 10/17/13	**COMP. DATE** 10/18/13	**SURFACE WATER DEPTH** N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft)	DEPTH (ft)
460											
455	455.4	0.0								455.4 GROUND SURFACE	0.0
			1	13	15	28		D		**RESIDUAL** BROWN TO TAN, SILTY SAND WITH TRACE GRAVEL SIZED ROCK FRAGMENTS	
	451.9	3.5									
450			11	13	14	27		D			
	448.8	6.6	60/0.0			60/0.0				449.2 / 448.8 **CRYSTALLINE ROCK** (METAMORPHOSED GRANITIC ROCK) GRAY, FRESH, VERY HARD, WIDE TO VERY WIDE FRACTURE SPACING, METAMORPHOSED GRANITIC ROCK WITH QUARTZ VEINS REC=100% RQD=98% RMR=90	6.2 / 6.6
445											
440										438.8	16.6

Boring Terminated at Elevation 438.8 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

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DRILL RIG/HAMMER EFF./DATE F&R3495 CME-55 84% 12/14/2012		**DRILL METHOD** SPT Core Boring	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** 10/17/13	**COMP. DATE** 10/18/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ3	**TOTAL RUN** 10.0 ft		

ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS ELEV. (ft)	DEPTH (ft)
448.8											Begin Coring @ 6.6 ft	
	448.8	6.6	5.0	*N=60/0.0* 2:23/1.0 4:32/1.0 13:23/1.0 2:53/1.0 3:01/1.0	(5.0) 100%	(5.0) 100%		(10.0) 100%	(10.0) 100%		448.8 GRAY, FRESH, VERY HARD, WIDE TO VERY WIDE FRACTURE SPACING, METAMORPHOSED GRANITIC ROCK WITH QUARTZ VEINS REC=100% RQD=98% RMR=90	6.6
445												
	443.8	11.6	5.0	3:22/1.0 2:51/1.0 3:28/1.0 5:00/1.0 4:01/1.0	(5.0) 100%	(5.0) 100%						
440												
	438.8	16.6									438.8	16.6

Boring Terminated at Elevation 438.8 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)