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-B	**STATION** 176+53	**OFFSET** 36 ft RT	**ALIGNMENT** -NBL- / **0 HR.** Dry
COLLAR ELEV. 464.5 ft	**TOTAL DEPTH** 19.1 ft	**NORTHING** 945,241	**EASTING** 2,177,856 / **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** 10/21/13	**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)
465											
	464.5	0.0	2	7	14	21		D		464.5 GROUND SURFACE	0.0
										RESIDUAL BROWN, SILTY SAND WITH TRACE GRAVEL-SIZED ROCK FRAGMENTS	
	461.0	3.5									
460			14	12	11	23		D			
	456.0	8.5								456.0	8.5
455	455.4	9.1	60/0.1			60/0.1				455.4 **CRYSTALLINE ROCK** (METAMORPHOSED GRANITIC ROCK)	9.1
			60/0.0			60/0.0				WHITE AND GRAY, VERY SLIGHTLY WEATHERED TO FRESH, VERY HARD, WIDE TO VERY WIDE FRACTURE SPACING, METAMORPHOSED GRANITIC ROCK WITH QUARTZ VEINS REC=100% RQD=98% RMR=85	
450										445.4	19.1
										Boring Terminated at Elevation 445.4 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)	

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist
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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** 10/21/13	**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)
455.4											Begin Coring @ 9.1 ft	
	455.4	9.1	3.0	*N=60/0.0* 2:32/1.0 2:23/1.0 3:38/1.0	(3.0) 100%	(3.0) 100%		(10.0) 100%	(10.0) 100%		455.4 WHITE AND GRAY, VERY SLIGHTLY WEATHERED TO FRESH, VERY HARD, WIDE TO VERY WIDE FRACTURE SPACING, METAMORPHOSED GRANITIC ROCK WITH QUARTZ VEINS REC=100% RQD=98% RMR=85	9.1
	452.4	12.1										
			5.0	2:45/1.0 2:41/1.0 3:15/1.0 3:43/1.0 2:47/1.0	(5.0) 100%	(5.0) 100%						
450												
	447.4	17.1										
			2.0	4:17/1.0 4:10/1.0	(2.0) 100%	(2.0) 100%						
	445.4	19.1									445.4	19.1
											Boring Terminated at Elevation 445.4 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)	