NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist	
SITE DESCRIPTION SITE #3: BRIDGE NO. 49 ON -Y5SBL- (US 1 BYPASS) OVER -NBL- (I-85)				**GROUND WTR (ft)**
BORING NO. EB2-A	**STATION** 22+54	**OFFSET** 23 ft LT	**ALIGNMENT** -Y5SBL-	**0 HR.** 36.7
COLLAR ELEV. 418.4 ft	**TOTAL DEPTH** 75.7 ft	**NORTHING** 953,998	**EASTING** 2,187,955	**24 HR.** 31.4
DRILL RIG/HAMMER EFF./DATE F&R3495 CME-55 84% 12/14/2012		**DRILL METHOD** H.S. Augers	**HAMMER TYPE** Automatic	
DRILLER Contract Driller	**START DATE** 10/28/13	**COMP. DATE** 10/28/13	**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)
420											
	418.4	0.0								418.4 GROUND SURFACE	0.0
			1	1	3	4		W		**ROADWAY EMBANKMENT** ORANGE AND TAN, SILTY SAND WITH TRACE GRAVEL	
415	414.9	3.5	1	2	2	4		W			
410	409.9	8.5	4	2	4	6		W			
405	404.9	13.5	4	3	3	6		W			
400	399.9	18.5	2	4	5	9		W		396.4 ORANGE, SANDY CLAY	22.0
395	394.9	23.5	4	2	4	6		W			
390	389.9	28.5	WOH	1	1	2		W		386.4 **ALLUVIAL** GRAY, SILTY SAND	32.0
385	384.9	33.5	2	3	4	7		W		381.4 **RESIDUAL** WHITE AND TAN, FINE SAND, SAPROLITIC	37.0
380	379.9	38.5	4	6	10	16		W			
375	374.9	43.5	5	6	7	13		W			
370	369.9	48.5	8	27	38	65		W			
365	364.9	53.5	28	25	30	55		W			
360	359.9	58.5	11	18	35	53		W		356.4 BROWN-WHITE-ORANGE, SILTY SAND, SAPROLITIC	62.0
355	354.9	63.5	20	21	40	61		W			
350	349.9	68.5	57	43/0.3		100/0.8				349.9 **WEATHERED ROCK** (METAMORPHOSED GRANITIC ROCK)	68.5
345	344.9	73.5	100/0.4			100/0.4					
	342.9	75.5	100/0.2			100/0.2				342.7 Boring Terminated at Elevation 342.7 ft in WEATHERED ROCK (METAMORPHOSED	75.7

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist	
SITE DESCRIPTION SITE #3: BRIDGE NO. 49 ON -Y5SBL- (US 1 BYPASS) OVER -NBL- (I-85)				**GROUND WTR (ft)**
BORING NO. EB2-B	**STATION** 22+85	**OFFSET** 18 ft RT	**ALIGNMENT** -Y5SBL-	**0 HR.** 36.5
COLLAR ELEV. 421.3 ft	**TOTAL DEPTH** 61.5 ft	**NORTHING** 953,971	**EASTING** 2,187,911	**24 HR.** 34.6
DRILL RIG/HAMMER EFF./DATE F&R3495 CME-55 84% 12/14/2012		**DRILL METHOD** H.S. Augers	**HAMMER TYPE** Automatic	
DRILLER Contract Driller	**START DATE** 10/29/13	**COMP. DATE** 10/29/13	**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)
425											
	421.3	0.0								421.3 GROUND SURFACE	0.0
420			3	3	3	6		M		419.3 **ROADWAY EMBANKMENT** ORANGE-TAN, CLAYEY SAND	2.0
	417.8	3.5	2	1	2	3		M		ORANGE AND GRAY, SILTY SAND	
415											
	412.8	8.5	1	3	5	8		M			
410											
	407.8	13.5	3	2	3	5		M			
405											
	402.8	18.5	3	2	3	5		M		399.3 GRAY AND ORANGE, CLAYEY SAND	22.0
400											
	397.8	23.5	2	2	3	5		M		394.3 GRAY AND ORANGE, SILTY CLAY	27.0
395											
	392.8	28.5	1	2	2	4		W		389.3 GRAY AND TAN, SANDY CLAY	32.0
390											
	387.8	33.5	2	2	3	5		W		384.3 **ALLUVIAL** GRAY, SILTY SAND	37.0
385											
	382.8	38.5	2	2	3	5		W		379.3 **RESIDUAL** TAN-BLACK-ORANGE, FINE SAND, SAPROLITIC	42.0
380											
	377.8	43.5	10	10	15	25		M		374.3 WHITE, ORANGE, AND BLACK, SILTY SAND	47.0
375											
	372.8	48.5	9	11	11	22		Sat.		369.3 WHITE, ORANGE, AND BLACK, FINE SAND, SAPROLITIC	52.0
370											
	367.8	53.5	25	38	45	83		M			
365											
	362.8	58.5	9	13	46	59		M		360.3	61.0
360	359.8	61.5	60/0.0			60/0.0				359.8 **WEATHERED ROCK** (METAMORPHOSED GRANITIC ROCK) Boring Terminated at Elevation 359.8 ft on CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)	61.5