NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist
SITE DESCRIPTION SITE #4: DUALS ON -NBL & -SBL- (I-85) OVER -Y7- (FLEMINGTOWN RD.)			**GROUND WTR (ft)**
BORING NO. EB2-A_LL	**STATION** 420+47	**OFFSET** 47 ft LT	**ALIGNMENT** -SBL- — **0 HR.** N/A
COLLAR ELEV. 494.6 ft	**TOTAL DEPTH** 35.2 ft	**NORTHING** 962,781	**EASTING** 2,194,728 — **24 HR.** 23.5
DRILL RIG/HAMMER EFF./DATE SME1524 CME-45B 87% 10/07/2011		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** 11/06/13	**COMP. DATE** 11/06/13	**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)
495										494.6 GROUND SURFACE	0.0
	493.6	1.0	5	6	5	11		M		**ROADWAY EMBANKMENT** RED-BROWN, SILTY CLAY	491.6 / 3.0
490	491.1	3.5	6	6	6	12		M		BROWN, TAN, AND RED, SANDY CLAY	489.1 / 5.5
	488.6	6.0	2	5	4	9		M		BROWN, RED, AND WHITE, SILTY CLAY	
485	486.1	8.5	2	3	3	6		M			
480	481.1	13.5	1	2	4	6		M		WHITE AND GRAY, SANDY CLAY	480.6 / 14.0
475	476.1	18.5	4	3	3	6		M		**ALLUVIAL** BROWN, SILTY SAND	477.1 / 17.5
470	471.1	23.5	3	5	5	10		M		**RESIDUAL** WHITE, GRAY, AND ORANGE, SANDY CLAY	472.1 / 22.5
465	466.1	28.5	1	1	2	3		M		BROWN, WHITE, AND GRAY, SILTY SAND	467.1 / 27.5
460	461.1	33.5	3	12	88/0.2	100/0.7		M		**WEATHERED ROCK** (GRANITE)	462.1 / 32.5
	459.4	35.2	60/0.0			60/0.0				Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 459.4 ft ON CRYSTALLINE ROCK (GRANITE)	459.4 / 35.2

WBS 38688.1.2	**TIP** I-0914BA	**COUNTY** VANCE	**GEOLOGIST** Contract Geologist
SITE DESCRIPTION SITE #4: DUALS ON -NBL & -SBL- (I-85) OVER -Y7- (FLEMINGTOWN RD.)			**GROUND WTR (ft)**
BORING NO. EB2-B_LL	**STATION** 420+56	**OFFSET** 8 ft RT	**ALIGNMENT** -SBL- — **0 HR.** N/A
COLLAR ELEV. 496.3 ft	**TOTAL DEPTH** 38.5 ft	**NORTHING** 962,757	**EASTING** 2,194,778 — **24 HR.** FIAD
DRILL RIG/HAMMER EFF./DATE SME1524 CME-45B 87% 10/07/2011		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** 11/07/13	**COMP. DATE** 11/07/13	**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	
500										496.3 GROUND SURFACE	0.0
495	495.3	1.0	2	3	5	8		M		495.3 **ROADWAY EMBANKMENT** ASPHALT AND CONCRETE	1.0
	492.8	3.5	2	2	2	4		M		RED-BROWN, SILTY CLAY	
490	490.3	6.0	3	3	3	6		M			
	487.8	8.5	2	3	4	7		M			
485	482.8	13.5	WOH	WOH	1	1		M			
480	477.8	18.5	3	4	8	12		M		478.8 GRAY AND BROWN, SANDY CLAY	17.5
475	472.8	23.5	4	2	3	5		M			
470	467.8	28.5	2	2	2	4		M		468.8 **RESIDUAL** GRAY, SANDY SILT WITH MICA	27.5
465	462.8	33.5	22	25	22	47		M			
460	457.8	38.5	60/0.0			60/0.0				457.8 Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 457.8 ft ON CRYSTALLINE ROCK (GRANITE)	38.5