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. EB2-A	**STATION** 178+58	**OFFSET** 37 ft LT	**ALIGNMENT** -NBL- — **0 HR.** Dry
COLLAR ELEV. 466.4 ft	**TOTAL DEPTH** 26.7 ft	**NORTHING** 945,424	**EASTING** 2,177,972 — **24 HR.** Dry
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** 10/16/13	**COMP. DATE** 10/16/13	**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)
470											
	466.4	0.0								466.4 GROUND SURFACE	0.0
465			1	19	20	39				**RESIDUAL** BROWN, ORANGE, AND WHITE, FINE SANDY SILT WITH TRACE ORGANICS(ROOTS)	
	462.9	3.5	8	92/0.5		100/1.0				462.9	3.5
460										461.4 **WEATHERED ROCK** (METAMORPHOSED GRANITIC ROCK)	5.0
	457.9	8.5	13	22	22	44		D		**RESIDUAL** TAN AND WHITE, FINE SANDY SILT	
455										454.4	12.0
	452.9	13.5	26	31	16	47		D		WHITE, SILTY FINE SAND	
450										449.4	17.0
	447.9	18.5	8	8	10	18		D		TAN AND WHITE, FINE SANDY SILT	
445										442.9	23.5
	442.9	23.5	7	93/0.4		100/0.9				**WEATHERED ROCK** (METAMORPHOSED GRANITIC ROCK)	
440										440.0	26.4
	439.7	26.7	60/0.0			60/0.0				439.7 **CRYSTALLINE ROCK** (METAMORPHOSED GRANITIC ROCK)	26.7

Boring Terminated with Standard Penetration Test Refusal at Elevation 439.7 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)

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. EB2-B	**STATION** 178+78	**OFFSET** 10 ft RT	**ALIGNMENT** -NBL- — **0 HR.** Dry
COLLAR ELEV. 467.0 ft	**TOTAL DEPTH** 18.8 ft	**NORTHING** 945,400	**EASTING** 2,178,018 — **24 HR.** Dry
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** 10/17/13	**COMP. DATE** 10/17/13	**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
470										
	467.0	0.0								467.0 GROUND SURFACE 0.0
465			1	12	13	25		D		**RESIDUAL** TAN, WHITE, AND PINK, SILTY FINE SAND
	463.5	3.5	12	15	14	29		D		
460										458.5 8.5
	458.5	8.5	100/0.4			100/0.4				456.0 **WEATHERED ROCK** (METAMORPHOSED GRANITIC ROCK) 11.0
455										**RESIDUAL** WHITE, SILTY FINE SAND
	453.5	13.5	38	30	14	44		D		
450										448.5 18.5
	448.5	18.5	60/0.1			60/0.1				448.2 18.8 **CRYSTALLINE ROCK** (METAMORPHOSED GRANITIC ROCK)
	448.2	18.8	60/0.0			60/0.0				

Boring Terminated with Standard Penetration Test Refusal at Elevation 448.2 ft in CRYSTALLINE ROCK (METAMORPHOSED GRANITIC ROCK)

NCDOT BORE DOUBLE I0914BA_GEO_BH_BRDG50.GPJ NC_DOT.GDT 10/31/13