NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38496.1.1	**TIP** B-4722B	**COUNTY** CARTERET	**GEOLOGIST** Contract Geologist
SITE DESCRIPTION BRIDGE NO. 33 ON -L- (US 70) OVER THE NORTH RIVER			**GROUND WTR (ft)**
BORING NO. EB1-A	**STATION** 41+00	**OFFSET** 18 ft LT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -2.1 ft	**TOTAL DEPTH** 76.5 ft	**NORTHING** 386,734	**EASTING** 2,716,702 — **24 HR.** N/A
DRILL RIG/HAMMER EFF./DATE MAD3964 CME-45C 83% 07/24/2012		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** N/A	**COMP. DATE** 08/22/12	**SURFACE WATER DEPTH** 1.3ft

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)
5											
0								▼		WATER SURFACE	
	-2.1	0.0	WOH	WOH	WOH	0				-2.1 GROUND SURFACE	0.0
-5	-4.6	2.5	WOH	WOH	WOH	0				-4.1 **ALLUVIAL** GRAY SAND, SATURATED	2.0
	-7.1	5.0	WOH	WOH	WOH	0				**ALLUVIAL** GRAY CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	
-10											
-15										-15.1 **UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	13.0
	-17.1	15.0	4	4	10	14					
-20	-22.1	20.0	6	9	7	16					
-25	-27.1	25.0	3	6	5	11					
-30	-32.1	30.0	8	8	3	11					
-35	-37.1	35.0	21	27	27	54					
-40	-42.1	40.0	11	16	26	42					
-45	-47.1	45.0	8	4	4	8				-45.1 **UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET	43.0
-50	-52.1	50.0	5	5	8	13				-50.1 **UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	48.0
-55	-57.1	55.0	6	8	20	28					
-60	-62.1	60.0	60	100/0.1		100/0.1					
-65	-67.1	65.0	44	32	31	63					
-70	-72.1	70.0	4	7	14	21					
-75											

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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
-75						Match Line				
	-77.1	75.0	3	3	8	11				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)* -78.6 76.5

Boring Terminated at Elevation -78.6 ft in Medium Dense Sand

Other Samples:
ST-19 (6.5 - 8.5)
ST-20 (8.5 - 10.5)

NCDOT BORE DOUBLE B-4722B_GEO_BRDG.GPJ NC_DOT.GDT 10/17/12