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. B13-B	**STATION** 52+76	**OFFSET** 13 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -4.8 ft	**TOTAL DEPTH** 82.4 ft	**NORTHING** 386,935	**EASTING** 2,717,861 — **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** 09/05/12	**SURFACE WATER DEPTH** 5.7ft

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))
0										WATER SURFACE
-5	-4.8	0.0	WOH	1	1	2				-4.8 GROUND SURFACE 0.0
										ALLUVIAL BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET
-10	-9.8	5.0	WOR	WOR	WOR	0				
	-11.6	6.8	WOH	WOH	WOH	0				
-15										
	-16.6	11.8	WOH	WOH	WOH	0				
-20										-19.8 15.0
	-21.6	16.8	1	1	0	1				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED
-25										
	-26.6	21.8	2	1	2	3				
-30										
	-31.6	26.8	2	7	8	15				
-35										
	-36.6	31.8	7	11	14	25				
-40										
	-41.6	36.8	6	12	14	26				
-45										-43.8 39.0
	-46.6	41.8	4	6	8	14				**UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET
-50										-47.6 42.8
	-51.6	46.8	2	3	2	5				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED
-55										-49.8 45.0
	-56.6	51.8	1	2	2	4				**UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET
-60										-59.8 55.0
	-61.6	56.8	12	12	10	22				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED
-65										
	-66.6	61.8	17	73	27/0.2	100/0.7				
-70										
	-71.6	66.8	67	100/0.3		100/0.3				
-75										
	-76.6	71.8	84	100/0.2		100/0.2				
-80										

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-80						Match Line				
	-81.6	76.8	50	50/0.5		100/1.0				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)*
-85										
	-86.6	81.8	93	100/0.1		100/0.1				-87.2 82.4
										Boring Terminated at Elevation -87.2 ft in Very Dense Sand