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. B12-A	**STATION** 51+80	**OFFSET** 26 ft LT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -6.6 ft	**TOTAL DEPTH** 83.3 ft	**NORTHING** 386,954	**EASTING** 2,717,760 — **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** 5.4ft

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	-6.6	0.0	WOH	WOH	WOH	0				-6.6 GROUND SURFACE	0.0
-10	-11.6	5.0	WOR	WOR	WOR	0				**ALLUVIAL** BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	
-15	-13.9	7.3	WOH	WOH	WOH	0					
-20	-18.9	12.3	WOH	2	1	3				-21.6	15.0
-25	-23.9	17.3	3	5	5	10				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
-30	-28.9	22.3	1	1	1	2				-26.6	20.0
-35	-33.9	27.3	2	12	12	24				**UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET	
-40	-38.9	32.3	9	8	8	16				-31.6	25.0
-45	-43.9	37.3	8	10	15	25				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
-50	-48.9	42.3	3	4	6	10				-46.6	40.0
-55	-53.9	47.3	3	7	7	14				**UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET	
-60	-58.9	52.3	3	7	5	12				-56.6	50.0
-65	-63.9	57.3	18	23	32	55				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
-70	-68.9	62.3	40	75	25/0.3	100/0.8					
-75	-73.9	67.3	80	100/0.1		100/0.1					
-80	-78.9	72.3	93	100/0.1		100/0.1					

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-80						Match Line				
-85	-83.9	77.3	75	25/0.2		100/0.7				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)*
	-88.9	82.3	50	50/0.5		100/1.0				-89.9 — 83.3
										Boring Terminated at Elevation -89.9 ft in Very Dense Sand

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