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. B14-A	**STATION** 53+60	**OFFSET** 18 ft LT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -3.2 ft	**TOTAL DEPTH** 78.9 ft	**NORTHING** 386,982	**EASTING** 2,717,938 — **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** 08/21/12	**SURFACE WATER DEPTH** 3.7ft

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)
5											
0								▼		WATER SURFACE	
	-3.2	0.0	WOH	WOH	WOH	0				-3.2 GROUND SURFACE	0.0
-5										**ALLUVIAL** BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	
	-6.5	3.3	WOH	WOH	WOH	0					
-10											
	-11.5	8.3	WOH	WOH	WOH	0					
-15											
	-16.5	13.3	WOH	1	2	3				-17.5	14.3
-20										**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
	-21.5	18.3	1	1	1	2					
-25											
	-26.5	23.3	2	2	1	3					
-30											
	-31.5	28.3	16	14	16	30					
-35											
	-36.5	33.3	9	13	5	18					
-40											
	-41.5	38.3	4	5	5	10					
-45											
	-46.5	43.3	7	9	10	19					
-50											
	-51.5	48.3	5	7	9	16					
-55										-54.2	51.0
	-56.5	53.3	3	4	13	17				**UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET	
-60										-59.2	56.0
	-61.5	58.3	30	48	52	100/1.0				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
-65											
	-66.5	63.3	35	74	26/0.3	100/0.8					
-70											
	-71.5	68.3	70	75	25/0.3	100/0.8					
-75											

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-75						Match Line				
	-76.5	73.3	75	25/0.1		100/0.6				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)*
-80										
	-81.5	78.3	75	25/0.1		100/0.6				-82.1 78.9 Boring Terminated at Elevation -82.1 ft in Very Dense Sand