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. EB2-B	**STATION** 54+49	**OFFSET** 4 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 5.4 ft	**TOTAL DEPTH** 87.7 ft	**NORTHING** 386,978	**EASTING** 2,718,029 — **24 HR.** 6.3
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** 08/27/12	**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)
	5.4	0.0	2	2	4	6				GROUND SURFACE	0.0
	2.9	2.5	5	7	8	15				**ROADWAY EMBANKMENT** BROWN SAND, MOIST TO SATURATED	
	0.4	5.0	5	5	6	11					
	-2.1	7.5	3	5	6	11					
	-4.6	10.0	3	3	5	8					
	-7.1	12.5	1	1	1	2				-6.6 — **ALLUVIAL** BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	12.0
	-21.8	27.2	1	1	1	2					
	-26.8	32.2	1	2	1	3				-24.6 — **UNDIVIDED COASTAL PLAIN** GRAY CLAY WITH SHELL FRAGMENTS, WET	30.0
	-31.8	37.2	11	15	20	35				-29.6 — **UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED	35.0
	-36.8	42.2	11	10	9	19					
	-41.8	47.2	4	7	6	13					
	-46.8	52.2	11	13	13	26					
	-51.8	57.2	8	15	16	31					
	-56.8	62.2	3	3	4	7					
	-61.8	67.2	7	18	24	42					
	-66.8	72.2	17	57	43/0.1	100/0.6					

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-70						Match Line				
	-71.8	77.2	83	100/0.2		100/0.2				**UNDIVIDED COASTAL PLAIN** GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)*
-75	-76.8	82.2	75	25/0.1		100/0.6				
-80	-81.8	87.2	75	25/0.1		100/0.6				-82.3 — 87.7

Boring Terminated at Elevation -82.3 ft in Very Dense Sand

Other Samples:
ST-21 (14.0 - 16.0)
ST-22 (18.0 - 20.0)
ST-23 (20.0 - 22.0)

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