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. B3-A	STATION 43+74	OFFSET 13 ft LT	ALIGNMENT -L-
COLLAR ELEV. -4.0 ft	TOTAL DEPTH 71.4 ft	NORTHING 386,783	EASTING 2,716,972
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 08/28/12	SURFACE WATER DEPTH 6.3ft

GROUND WTR (ft)	
0 HR.	N/A
24 HR.	N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION (ELEV. (ft) / DEPTH (ft))
									WATER SURFACE
-4.0		0.0	2	2	1				GROUND SURFACE (-4.0 / 0.0)
	-8.9	4.9	WOH	WOH	WOH				ALLUVIAL: GRAY CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL AND WOOD FRAGMENTS, WET
	-13.9	9.9	WOR	WOR	WOR				
	-18.9	14.9	3	4	6				UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED (-19.4 / 15.4)
	-23.9	19.9	5	7	9				
	-28.9	24.9	8	7	8				
	-33.9	29.9	7	9	12				
	-38.9	34.9	7	14	15				
	-43.9	39.9	8	7	5				
	-48.9	44.9	4	6	10				
	-53.9	49.9	15	23	35				
	-58.9	54.9	54	100/0.5					
	-63.9	59.9	50	50/0.5					
	-68.9	64.9	8	12	19				
	-73.9	69.9	4	7	11				

BLOWS PER FOOT: 0 25 50 75 100

-32.0	28.0
-34.4	30.4
-67.0	63.0
-75.4	71.4

UNDIVIDED COASTAL PLAIN: GRAY CLAY WITH SHELL FRAGMENTS, WET (-32.0 / 28.0)

UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED (-34.4 / 30.4)

UNDIVIDED COASTAL PLAIN: GRAY CLAY, WET (-67.0 / 63.0)

Boring Terminated at Elevation -75.4 ft in Stiff Clay

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. B4-A	STATION 44+60	OFFSET 18 ft LT	ALIGNMENT -L-
COLLAR ELEV. -5.3 ft	TOTAL DEPTH 72.8 ft	NORTHING 386,805	EASTING 2,717,055
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 08/23/12	SURFACE WATER DEPTH 5.4ft

GROUND WTR (ft)	
0 HR.	N/A
24 HR.	N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION (ELEV. (ft) / DEPTH (ft))
-5.3		0.0	WOH	WOH	WOH				GROUND SURFACE (-5.3 / 0.0)
	-11.6	6.3	WOR	WOR	WOR				ALLUVIAL: BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND WOOD FRAGMENTS, WET
	-16.6	11.3	WOH	WOH	WOH				
	-21.6	16.3	3	6	3				UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED (-22.6 / 17.3)
	-26.6	21.3	3	3	6				
	-31.6	26.3	8	12	15				
	-36.6	31.3	6	9	11				
	-41.6	36.3	11	11	17				
	-46.6	41.3	5	4	7				
	-51.6	46.3	6	4	6				
	-56.6	51.3	43	25	36				
	-61.6	56.3	37	75	25/0.1				
	-66.6	61.3	61	100/0.5					
	-71.6	66.3	96	100/0.1					
	-76.6	71.3	4	4	6				

BLOWS PER FOOT: 0 25 50 75 100

-22.6	17.3
-78.1	72.8

Boring Terminated at Elevation -78.1 ft in Medium Dense Sand