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. B7-B	**STATION** 47+30	**OFFSET** 18 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -7.7 ft	**TOTAL DEPTH** 71.5 ft	**NORTHING** 386,823	**EASTING** 2,717,327 — **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** 08/29/12	**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)
-7.7		0.0	WOH	WOH	WOH					GROUND SURFACE	0.0
-12.7		5.0	WOR	WOR	WOR					ALLUVIAL — BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	
-18.6		10.9	WOH	WOH	2						
-21.7										UNDIVIDED COASTAL PLAIN — GRAY SAND WITH SHELL FRAGMENTS, SATURATED	14.0
-23.6		15.9	5	3	1						
-28.6		20.9	4	6	4						
-33.6		25.9	9	6	6						
-38.6		30.9	8	13	23						
-43.6		35.9	7	16	27						
-46.7										UNDIVIDED COASTAL PLAIN — GRAY CLAY WITH SHELL FRAGMENTS, WET	39.0
-48.6		40.9	3	3	3						
-51.7										UNDIVIDED COASTAL PLAIN — GRAY SAND WITH SHELL FRAGMENTS, SATURATED	44.0
-53.6		45.9	6	4	5						
-58.6		50.9	38	75	25/0.1						
-63.6		55.9	75	25/0.2							
-68.6		60.9	75	25/0.2							
-73.6		65.9	75	25/0.3							
-78.6		70.9	75	25/0.1							
-79.2										Boring Terminated at Elevation -79.2 ft in Very Dense Sand	71.5

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. B8-A	**STATION** 48+20	**OFFSET** 18 ft LT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -10.3 ft	**TOTAL DEPTH** 65.7 ft	**NORTHING** 386,876	**EASTING** 2,717,408 — **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** 08/30/12	**SURFACE WATER DEPTH** 12.5ft

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	
-10.3		0.0	WOR	WOR	WOR					GROUND SURFACE	0.0
-15.3		5.0	WOR	WOR	WOR					ALLUVIAL — BROWN CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND SHELL FRAGMENTS, WET	
-20.3		10.0	1	0	1						
-23.3										UNDIVIDED COASTAL PLAIN — GRAY SAND WITH SHELL FRAGMENTS, SATURATED	13.0
-25.3		15.0	5	6	6						
-30.3		20.0	3	3	3						
-35.3		25.0	4	5	8						
-38.3										UNDIVIDED COASTAL PLAIN — GRAY CLAY WITH SHELL FRAGMENTS, WET	28.0
-40.3		30.0	1	4	3						
-41.3										UNDIVIDED COASTAL PLAIN — GRAY SAND WITH SHELL FRAGMENTS, SATURATED	31.0
-45.3		35.0	3	7	9						
-50.3		40.0	3	5	5						
-55.3		45.0	25	46	45						
-60.3		50.0	100/0.4								
-65.3		55.0	75	25/0.2							
-70.3		60.0	75	25/0.2							
-75.3		65.0	75	25/0.2							
-76.0										Boring Terminated at Elevation -76.0 ft in Very Dense Sand	65.7