NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33394.1.1	**ID.** B-4027	**COUNTY** BERTIE	**GEOLOGIST** J.K. COOPER
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1219 OVER CASHIE RIVER			**GROUND WATER**
BORING NO. EBI-B	**BORING LOCATION** 17+70	**OFFSET** 14.5 RT'	**ALIGNMENT** -L-
COLLAR ELEVATION 45.8'	**NORTHING** 0.00	**EASTING** 0.00	
TOTAL DEPTH 84.6'	**DRILL MACHINE** CME-45B	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 3/4/05	**COMPLETION DATE** 3/7/05	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** N/A

GROUND WATER
0 HR. N/A
24 HR. 5.0'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT (0 25 50 75 100)	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
45.8										
45.0	0.0	2	4	3	1	7				TAN BROWN FINE TO COARSE SAND DRY TO SAT. (ROADWAY EMBANKMENT)
	4.0	WOH	WOH	1	1	1		▼		
40.0	8.3	WOH	1	4	1	5	SS-12			GRAY BROWN FINE TO COARSE SAND, SAT.(ALLUVIUM)
35.0	13.3	4	6	10	1	16	SS-13			
30.0	18.3	WOH	WOH	1	1	1	SS-14			GRAY SILTY CLAY, WET (YORKTOWN FORMATION)
25.0	23.3	WOH	WOH	WOH	1	WOH				
20.0	28.3	12	13	8	1	21	SS-15			GRAY FINE TO COARSE SAND, SLIGHTLY CLAYEY SAND AND CLAYEY SANDY SILT, SAT.
15.0	33.3	WOH	WOH	1	1	1	SS-16			
10.0	38.3	2	3	6	1	9	SS-17			
5.0	43.3	2	3	6	1	9	SS-18			
0.0	48.1	5	6	9	1	15				
-5.0	53.1	4	4	4	1	8				
-10.0	58.1	3	3	7	1	10	SS-19			
-15.0	63.1	16	18	28	1	46	SS-20			GRAY SANDY CLAY, WET (CAPE FEAR FORMATION)
-20.0	68.1	24	24	22	1	46	SS-21			GRAY FINE TO COARSE SAND, SAT.
-25.0	73.1	9	12	14	1	26	SS-22			GRAY SANDY SILTY CLAY, WET
-30.0										

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 6

PROJECT NO. 33394.1.1	**ID.** B-4027	**COUNTY** BERTIE	**GEOLOGIST** J.K. COOPER
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1219 OVER CASHIE RIVER			**GROUND WATER**
BORING NO. EBI-B	**BORING LOCATION** 17+70	**OFFSET** 14.5' RT	**ALIGNMENT** -L-
COLLAR ELEVATION 45.8'	**NORTHING** 0.00	**EASTING** 0.00	
TOTAL DEPTH 84.6'	**DRILL MACHINE** CME-45B	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 3/4/05	**COMPLETION DATE** 3/7/05	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** N/A

GROUND WATER
0 HR. N/A
24 HR. 5.0'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT (0 25 50 75 100)	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
32.0	78.1	19	24	33	1	57				GRAY SANDY SILTY CLAY, WET
-37.0	83.1	16	16	25	1	41				
-42.0						BORING TERMINATED AT ELEVATION -38.8' IN HARD SILTY CLAY.				
-47.0										
-52.0										
-57.0										
-62.0										
-67.0										
-72.0										
-77.0										
-82.0										
-87.0										
-92.0										
-97.0										
-102.0										
-107.0										
-112.0										