NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 32589.1.1	**ID.** B-1303	**COUNTY** NORTHAMPTON	**GEOLOGIST** K.B. QUICK
SITE DESCRIPTION BRIDGE NO. 76 OVER THE ROANOKE RIVER OVERFLOW ON US 258			**GROUND WATER**
BORING NO. EBI-A	**BORING LOCATION** 17+91	**OFFSET** 7.0' LT	**ALIGNMENT** -L-
COLLAR ELEVATION 50.7'	**NORTHING** 0.00	**EASTING** 0.00	**0 HR.** N.M. / **24 HR.** 13.3'
TOTAL DEPTH 70.1'	**DRILL MACHINE** CME-550	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** MANUAL
START DATE 9/7/04	**COMPLETION DATE** 9/7/04	**SURFACE WATER DEPTH**	

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
50.7										
50.0	1.2	10	7	10	1	17	SS-1			PAVEMENT STRUCTURE GRAY TAN, SANDY CLAY, MOIST (ROADWAY EMBANKMENT)
	4.1	4	2	3	1	5	SS-2			GRAY-ORANGE, CLAYEY SANDY SILT, MOIST
45.0	6.2	1	1	3	1	4				
	8.8	2	2	3	1	5	SS-3			
40.0										
	13.8	1	2	3	1	5	SS-4	▼		GRAY, CLAYEY SANDY SILT, WET (ALLUVIUM)
35.0										
	18.8	WOH	WOH	2	1	1	SS-5			GRAY, SANDY CLAY, WET
30.0										
	23.8	4	3	2	1	5				
25.0										
	28.8	6	5	5	1	10	SS-6			ORANGE, SAND, SATURATED (YORKTOWN FORMATION)
20.0										
	33.8	6	7	10	1	17	SS-7	26%		GRAY, SILTY CLAY, WET (CAPE FEAR FORMATION)
15.0										
	38.8	7	11	17	1	28				
10.0										
	43.8	19	18	27	1	45	SS-8			LIGHT GRAY, COARSE SAND, SATURATED
5.0										
	48.8	11	3	8	1	11				
0.0										
	53.8	17	23	56	1	79	SS-9			MOTTLED RED GREEN GRAY CLAYEY SAND, SATURATED
-5.0										
	58.8	10	14	19	1	33	SS-10			MOTTLED RED TAN GRAY, SILTY AND COARSE SANDY CLAY, WET
-10.0										
	63.8	16	14	21	1	35				
-15.0										
	68.8	30	49	51	0.8	100+	SS-11			
-20.0						BORING TERMINATED AT ELEV. -19.4' IN HARD SANDY CLAY				

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SITE DESCRIPTION BRIDGE NO. 76 OVER THE ROANOKE RIVER OVERFLOW ON US 258			**GROUND WATER**
BORING NO. BI-B	**BORING LOCATION** 18+51	**OFFSET** 6.0' RT	**ALIGNMENT** -L-
COLLAR ELEVATION 36.0'	**NORTHING** 0.00	**EASTING** 0.00	**0 HR.** N.M. / **24 HR.** N.M.
TOTAL DEPTH 60.6'	**DRILL MACHINE** CME-550	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** MANUAL
START DATE 9/8/04	**COMPLETION DATE** 9/8/04	**SURFACE WATER DEPTH** 0.2'	

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
36.0										
35.0	0.8	WOH	1	1	1	2				
	3	1	1	2	1	3	SS-12	33%		TAN-GRAY, SILTY SANDY CLAY, WET (ALLUVIUM)
30.0	5.5	3	1	2	1	3				
	8	7	4	5	1	9				
25.0										
	11.9	8	7	6	1	13	SS-13			GRAY, SAND, SATURATED (YORKTOWN FORMATION)
	14.1	4	2	2	1	4				
20.0										
	19.1	9	19	15	1	34	SS-14			MOTTLED RED GRAY, SILTY CLAY, WET (CAPE FEAR FORMATION)
15.0										
	24.1	7	12	16	1	28	SS-15			
10.0										
	29.1	14	16	21	1	37				GRAY TO TAN, SAND, SATURATED
5.0										
	34.1	20	39	28	1	67	SS-16			
0.0										
	39.1	14	17	29	1	46	SS-17			MOTTLED TAN GRAY, CLAYEY SAND, SATURATED
-5.0										
	44.1	25	24	25	1	49	SS-18			MOTTLED RED-GRAY TO GREEN-GRAY, SILTY AND SANDY CLAY, WET
-10.0										
	49.1	14	20	29	1	49				
-15.0										
	54.1	32	33	54	1	87	SS-19			
-20.0										
	59.1	25	31	51	1	82	SS-20			TAN TO GREEN-GRAY, CLAYEY SAND, SATURATED
-25.0						BORING TERMINATED AT ELEV. -24.6' IN VERY DENSE CLAYEY SAND				
-30.0										
-35.0										