

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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 GEOTECHNICAL UNIT BORING LOG

SHEET 7 OF 10

PROJECT NO. 32589.1I	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. B2-A	BORING LOCATION 19+11	OFFSET 6.0' LT	ALIGNMENT -L-				
COLLAR ELEVATION 36.9'	NORTHING 0.00	EASTING 0.00	0 HR. N.M. 24 HR. 0.6'				
TOTAL DEPTH 46.6'	DRILL MACHINE CME-550	DRILL METHOD ROTARY W/MUD	HAMMER TYPE MANUAL				
START DATE 9/9/04	COMPLETION DATE 9/9/04	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5' 0.5' 0.5'		0 25 50 75 100			
36.9	0.0	WOH	1	1			
35.0	2.5	WOH	1	1	SS-21		GRAY, SILTY CLAY, WET (ALLUVIUM)
30.0	6.1	1	2	2			
	8.6	2	1	1			BROWN, CLAYEY FINE SANDY SILT, WET
25.0	11.3	11	11	10	SS-22		BROWN-GRAY, SAND, SATURATED (YORKTOWN FORMATION)
	15.1	15	14	11			
20.0	20.1	10	11	13			MOTTLED RED GRAY, SILTY CLAY, WET (CAPE FEAR FORMATION)
15.0	25.1	14	18	36	SS-23		GRAY TO TAN, SAND, SATURATED
10.0	30.1	34	80	20			
5.0	35.1	18	42	58			
0.0	40.1	32	36	64	SS-24		MOTTLED RED GRAY, SAND, SATURATED
-5.0	45.1	12	28	68			
-10.0							
-15.0							BORING TERMINATED AT ELEV. = 9.7' IN VERY DENSE SAND
-20.0							
-25.0							
-30.0							
-35.0							

PROJECT NO. 32589.1I	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. EB2-B	BORING LOCATION 19+71	OFFSET 7.5' RT	ALIGNMENT -L-				
COLLAR ELEVATION 50.7'	NORTHING 0.00	EASTING 0.00	0 HR. N.M. 24 HR. 14.0'				
TOTAL DEPTH 55.3'	DRILL MACHINE CME-550	DRILL METHOD ROTARY W/MUD	HAMMER TYPE MANUAL				
START DATE 9/9/04	COMPLETION DATE 9/9/04	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5' 0.5' 0.5'		0 25 50 75 100			
50.7							
50.0	1.5	9	6	6			PAVEMENT STRUCTURE TAN-BROWN, SILTY SAND, MOIST (ROADWAY EMBANKMENT)
45.0	4.8	2	2	2	SS-25		TAN-GRAY, SANDY CLAY, MOIST (ROADWAY EMBANKMENT)
	7.5	WOH	3	2			
40.0	10	WOH	2	1			
	12.5	WOH	2	2	SS-26		
35.0	16	4	3	3	SS-27	29% 24%	TAN-GRAY, SILTY SANDY CLAY, WET (ALLUVIUM)
30.0	19.5	7	9	13	SS-28		GRAY CLAYEY SANDY SILT, WET
25.0	23.8	12	10	11	SS-29		GRAY, SAND, SATURATED (YORKTOWN FORMATION)
20.0	28.8	19	14	22			
15.0	33.8	14	33	44	SS-30		MOTTLED RED GRAY, SANDY CLAY, WET (CAPE FORMATION)
10.0	38.8	35	48	52	SS-31		WHITE, SAND, SATURATED
5.0	43.8	34	85	15			
0.0	48.8	42	40	60	SS-32		MOTTLED RED GRAY, CLAYEY SAND, SATURATED
-5.0	53.8	22	31	27	SS-33		
-10.0							BORING TERMINATED AT ELEV. = 4.6' IN VERY DENSE CLAYEY SAND
-15.0							
-20.0							