

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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PROJECT NO. 33568.1.I		ID. B-4224		COUNTY PENDER/DUPLIN		GEOLOGIST J.L. STONE	
SITE DESCRIPTION BRIDGE NO. 63 OVER DOCTORS CREEK ON SR 1305 AND SR 1155							GROUND WATER
BORING NO. EBI-A		BORING LOCATION 16+90		OFFSET 14.0' LT		ALIGNMENT -L-	
COLLAR ELEVATION 41.4'		NORTHING 0.00		EASTING 0.00		24 HR. ARTESIAN	
TOTAL DEPTH 55.3'		DRILL MACHINE CME-550		DRILL METHOD ROTARY W/MUD		HAMMER TYPE MANUAL	
START DATE 3/9/05		COMPLETION DATE 3/9/05		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A	
ELEV.	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		MOI. G	
41.4	0.0	4	3	3			
40.0							
	5.0	7	10	10			TAN TO TAN ORANGE, FINE TO COARSE SAND, MOI. (ROADWAY EMBANKMENT)
35.0							
	8.8	2	2	2			DARK GRAY, CLAYEY FINE SANDY SILT, MOI. TO SAT. (ALLUVIUM)
30.0						33%	
	13.8	4	5	5			DARK GRAY, CLAYEY FINE TO COARSE SAND, SAT. (PEEDEE FORMATION)
25.0							
	18.8	4	5	9			DARK GRAY, SANDY SILT, WET
20.0							
	23.8	100					
15.0							
	28.8	12	23	21			GREEN, SILTY FINE TO COARSE SAND, SAT.
10.0							
	33.8	12	17	24			
5.0							
	38.8	7	12	18			
0.0							
	43.8	10	13	15			
-5.0							
	48.8	8	10	15			
-10.0							
	53.8	9	13	14			
-15.0							
							BORING TERMINATED AT ELEVATION -13.9' IN VERY STIFF SANDY CLAY
-20.0							
-25.0							
-30.0							
-35.0							

PROJECT NO. 33568.1.I		ID. B-4224		COUNTY PENDER/DUPLIN		GEOLOGIST K.B. QUICK	
SITE DESCRIPTION BRIDGE NO. 63 OVER DOCTORS CREEK ON SR 1305 AND SR 1155							GROUND WATER
BORING NO. EBI-B		BORING LOCATION 16+80		OFFSET 15.0' RT		ALIGNMENT -L-	
COLLAR ELEVATION 41.2'		NORTHING 0.00		EASTING 0.00		24 HR. 6.5'	
TOTAL DEPTH 74.0'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC	
START DATE 7/29/03		COMPLETION DATE 7/30/03		SURFACE WATER DEPTH		DEPTH TO ROCK	
ELEV.	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		MOI. G	
41.2	0.0	1	2	3			
40.0							
	2.5	2	1	2			BROWN TAN, FINE TO COARSE SAND, MOI. TO SAT. (ROADWAY EMBANKMENT)
35.0							
	5.0	1	3	5			DARK GRAY, FINE SANDY SILT, WET (ALLUVIUM)
30.0							
	8.2	4	2	1			DARK GRAY, CLAYEY FINE TO COARSE SAND, SAT. (PEEDEE FORMATION)
25.0							
	13.2	3	1	2			
20.0							
	18.2	1	2	3			
15.0							
	23.2	7	10	8			
10.0							
	28.2	11	12	18			
5.0							
	33.2	8	13	16			
0.0							
	38.2	8	10	15			
-5.0							
	43.2	7	10	11			
-10.0							
	48.2	6	7	9			
-15.0							
	53.2	6	9	11			
-20.0							
	58.2	19	29	37			
-25.0							
	63.2	8	8	10			
-30.0							
	68.2	21	100				
-35.0							
	73.2	10	100				
							BORING TERMINATED AT ELEV. -32.8' IN LIMESTONE