

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8,1442601		ID. U-0620		COUNTY CUMBERLAND		GEOLOGIST A. NASH								
SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD							GROUND WATER							
BORING NO. MSE-1	BORING LOCATION 162+74		OFFSET 122.0' LT.	ALIGNMENT -L-		0 HR. N.M.								
COLLAR ELEVATION 153.1'		NORTHING		EASTING		24 HR. 0.1'								
TOTAL DEPTH 30.4'	DRILL MACHINE CME-45		DRILL METHOD H.S. AUGERS		HAMMER TYPE MANUAL									
START DATE 7/8/03		COMPLETION DATE 7/8/03		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				
153.1														
150.0	3.9	1	1	1	1	X-2						SS-38		TAN AND ORANGE CLAYEY FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
145.0	8.9	1	1	3	1	X-4								
140.0	13.9	4	4	7	1	X-11						SS-39		ORANGE COARSE SAND, SAT. (BLACK CREEK FORMATION)
135.0	18.9	1	5	7	1	X-12								
130.0	23.9	1	1	1	1	X-2								
127.7	28.9	7	15	26	1	X-41								DARK GRAY TO BLACK FINE SANDY SILTY CLAY WITH TRACE OF LIGNITE, WET
BORING TERMINATED AT ELEV. 122.7 FEET IN HARD SILTY CLAY														

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SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD							GROUND WATER							
BORING NO. MSE-2	BORING LOCATION 161+86		OFFSET 120.0' RT.	ALIGNMENT -L-		0 HR. N.M.								
COLLAR ELEVATION 150.9'		NORTHING		EASTING		24 HR. 0.2'								
TOTAL DEPTH 30.5'	DRILL MACHINE CME-45		DRILL METHOD H.S. AUGERS		HAMMER TYPE MANUAL									
START DATE 7/8/03		COMPLETION DATE 7/8/03		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				
150.9														
150.0	2.4	WOR	1	3	1	X-4						SS-40		TAN CLAYEY FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
145.0	9.0	1	1	4	1	X-5								
140.0	14.0	1	2	1	1	X-3						SS-41		ORANGE CLAYEY FINE TO COARSE SAND, SAT. (BLACK CREEK FORMATION)
135.0	19.0	1	2	2	1	X-4								
130.0	24.0	6	3	3	1	X-6						SS-42		DARK GRAY FINE SANDY SILTY CLAY, WET
125.0	29.0	6	6	7	1	X-13								
BORING TERMINATED AT ELEV. 120.4 FEET IN STIFF FINE SANDY SILTY CLAY														