

PROJECT NO. 8.1040601		ID. B-3445		COUNTY CURRITUCK		GEOLOGIST S. JOHNSON								
SITE DESCRIPTION Replacement of Bridge No. 7 on N.C. 615 Over Corey's Ditch							GROUND WATER (ft)							
BORING NO. B3-B		BORING LOCATION 24+73.7		OFFSET 4.7 ft RT		ALIGNMENT -L-								
COLLAR ELEV. 4.8 ft							0 HR. N/A							
TOTAL DEPTH 125.7 ft		NORTHING 1,029,160.5		EASTING 2,889,381.0		24 HR. N/M								
DATE STARTED 8/9/01		COMPLETED 8/9/01		SURFACE WATER DEPTH N/A		HAMMER TYPE MANUAL								
DRILL MACHINE Diedrich D-50		DRILL METHOD 3/4" H.S.A. & ROTARY WASH W/ 2-15/16" DRAG BIT		HAMMER TYPE MANUAL										
DATE STARTED 8/9/01		COMPLETED 8/9/01		SURFACE WATER DEPTH N/A										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
4.8		PAVEMENT SURFACE												
		ASPHALT 0.0												
		ROADWAY EMBANKMENT FILL: LOOSE BROWN SILTY FINE SAND (A-2-4) 0.5												
		ALLUVIUM: LOOSE GRAY CLAYEY SILTY FINE TO COARSE SAND (A-2-4) 3.0												
		SOFT DARK GRAY FINE SANDY CLAYEY SILT WITH TRACE ORGANIC MATTER (A-4) 6.2												
		UNDIFFERENTIATED COASTAL PLAIN DEPOSITS: VERY SOFT TO SOFT DARK GRAY FINE SANDY CLAYEY SILT (A-4) 11.2												
		STIFF GRAY AND BROWN FINE SANDY SILT WITH SAND LAYERS (A-4) 23.7												
		MEDIUM DENSE GRAY SILTY FINE SAND WITH SILT LAYERS (A-2-4) 26.2												
		VERY LOOSE GRAY SLIGHTLY SILTY CLAYEY FINE TO COARSE SAND WITH LITTLE SHELL MATERIAL (A-2-4) 38.0												
		MEDIUM DENSE GRAY SILTY FINE SAND WITH SILT LAYERS AND LITTLE SHELL MATERIAL (A-2-4) 41.7												
		MEDIUM STIFF DARK GRAY FINE SANDY SILT WITH TRACE OF SHELL MATERIAL (A-4) 46.7												
		MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE SHELL MATERIAL (A-7-5) 51.7												
		BORING TERMINATED AT ELEV. -120.9' IN DENSE SILTY FINE SAND												

NCDOT BORE SING 18.GPJ NCDOT.GDT 8/28/01

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ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-70.0		Continued from previous page												
-74.4	79.2	MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE SHELL MATERIAL (A-7-5) (continued)												
-79.4	84.2													
-84.4	89.2													
-89.4	94.2													
-94.4	99.2													
-99.4	104.2													
-104.4	109.2													
-109.4	114.2													
-114.4	119.2													
-119.4	124.2													
		BORING TERMINATED AT ELEV. -120.9' IN DENSE SILTY FINE SAND												

NCDOT BORE SINGLE 51-118.GPJ NCDOT.GDT 8/28/01

- 1) ADVANCED 3-1/4" H.S.A. TO 28.7'
- 2) ADVANCED 2-15/16" DRAG BIT TO 124.2'
- 3) WATER FROM SOUND USED AS DRILLING FLUID.
- 4) TYPICAL DRILLING FLUID DENSITY 62.4pcf.
- 5) NO DRILLING FLUID LOSS OBSERVED.