



PROJECT NO. 6.469002T		ID. R-0513C		COUNTY Robeson		GEOLOGIST Charles Ray									
SITE DESCRIPTION Bridge on -Y4- (SR 2413) over -L- (US 74)							GROUND WATER (m)								
BORING NO. EB1-A		BORING LOCATION 13+061.1		OFFSET 9.0m LT		ALIGNMENT -Y4-		0 HR. 1.34							
COLLAR ELEV. 41.63 m		NORTHING 93,229.3		EASTING 603,329.1				24 HR. 0.82							
TOTAL DEPTH 17.17 m		DRILL MACHINE D-50		DRILL METHOD Mud Rotary		HAMMER TYPE Manual									
DATE STARTED 3/22/01		COMPLETED 3/22/01		SURFACE WATER DEPTH NA											
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	ELEV. (m)	DEPTH (m)	
		15cm	15cm	15cm	0	20	40	60	80						100
41.63	0.00												41.63	0.00	GROUND SURFACE
		3	4	6											Dark gray to tan orange, SILTY, f. to med. SAND. Moderately sorted. (ROADWAY EMBANKMENT)
40.11	1.52												40.63	1.00	
39.63	2.00	2	3	4							SS-01 22%				Dark gray, med. stiff, SILTY CLAY. DUPLIN FORMATION
38.59	3.04	2	4	5							M		39.13	2.50	
		3	6	6							SS-02 16%				Gray to light gray, SILTY, f. to med. SANDY CLAY.
37.07	4.56	1	1	2							Sat.		36.77	4.86	
35.55	6.08	1	3	1							SS-03 Sat.		36.13	5.50	Gray, soft SILTY CLAY w/wood frags.
34.03	7.60	3	1	1							Sat.		33.38	8.25	Mottled gray, red, and tan, CLAYEY, f. to med. SAND. Moderately sorted.
32.51	9.12	3	8	12							SS-04 Sat.		30.38	11.25	Orange to tan, med. to cse. SAND. Moderately sorted.
30.99	10.64	8	9	8							Sat.		30.38	11.25	
29.47	12.16	3	9	11							Sat.				Tan orange to gray, SILTY, f. to cse. (quartz frags.) grained SANDY CLAY. Very stiff.
27.95	13.68	11	14	20							SS-05 22%				
26.43	15.20	11	13	17							Sat.				
24.91	16.72	11	14	15							Sat.		24.46	17.17	
															Boring Terminated at Elevation 24.46 m in tan orange to gray, SILTY, f. to cse. (quartz frags.) grained SANDY CLAY. Very stiff. Duplin Formation

NCDOT BORE DOUBLE 201-021.GPJ, NC_DOT_GDT_5/29/01



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SITE DESCRIPTION Bridge on -Y4- (SR 2413) over -L- (US 74)							GROUND WATER (m)								
BORING NO. EB1-B		BORING LOCATION 13+050.7		OFFSET 9.0m RT		ALIGNMENT -Y4-		0 HR. 1.16							
COLLAR ELEV. 41.60 m		NORTHING 93,243.6		EASTING 603,314.0				24 HR. FIAD							
TOTAL DEPTH 18.08 m		DRILL MACHINE D-50		DRILL METHOD Mud Rotary		HAMMER TYPE Manual									
DATE STARTED 3/23/01		COMPLETED 3/23/01		SURFACE WATER DEPTH NA											
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	ELEV. (m)	DEPTH (m)	
		15cm	15cm	15cm	0	20	40	60	80						100
41.60	0.00												41.60	0.00	GROUND SURFACE
		3	6	6											Tan orange, SILTY, fine to med. SAND. Moderately sorted. (ROADWAY EMBANKMENT)
40.69	0.91												40.51	1.09	
40.08	1.52	3	1	3									39.40	2.20	Dark gray, soft to stiff, SILTY CLAY w/trace f. sand. DUPLIN FORMATION
39.17	2.43	3	3	7									39.17	2.43	
		3	5	7									38.10	3.50	Mottled tan, gray, and red, f. to med. grained SANDY CLAY w/SILT..
37.65	3.95	3	1	2									37.65	3.95	
36.13	5.47	5	6	3									36.13	5.47	Light gray to mottled gray, red, and tan, SILTY/CLAYEY, f. to med. grained SAND. Moderately sorted.
34.61	6.99	2	1	1									34.61	6.99	
33.09	8.51	8	7	6									33.09	8.51	
31.57	10.03	4	6	6									31.57	10.03	Orange, med. cse., moderately sorted SAND. Grades to light tan, f. to med., moderately sorted SAND.
30.05	11.55	4	7	8									30.05	11.55	
28.53	13.07	12	16	20									28.53	13.07	
27.06	14.54	12	13	15									27.06	14.54	Gray, very stiff to hard, SILTY CLAY w/cse. quartz frags.
25.49	16.11	10	13	18									25.49	16.11	
23.97	17.63	12	13	12									23.97	17.63	
															Boring Terminated at Elevation 23.52 m in gray, very stiff to hard, SILTY CLAY w/cse. quartz frags.. Duplin Formation