



PROJECT NO. 6.469002T		ID. R-0513C		COUNTY Robeson		GEOLOGIST Charles Ray								
SITE DESCRIPTION Bridge on -Y3- (US 74) over -L- (proposed US 74)							GROUND WATER (m)							
BORING NO. EB2-A		BORING LOCATION 34+004.9		OFFSET 11.4m LT		ALIGNMENT -Y3-		0 HR. 1.40						
COLLAR ELEV. 42.01 m		NORTHING 93,484.5		EASTING 601,469.3		24 HR. FIAD								
TOTAL DEPTH 17.08 m		DRILL MACHINE 45B-ATV		DRILL METHOD Mud Rotary		HAMMER TYPE Manual								
DATE STARTED 4/10/01		COMPLETED 4/10/01		SURFACE WATER DEPTH NA										
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
		15cm	15cm	15cm	0	20	40	60	80				100	
42.01	0.00				Ground Surface							42.01	0.00	
41.10	0.91	3	3	2							M	41.71	0.30	Brown, SILTY, fine moderately sorted SAND, R.C.P.
40.18	1.83	3	6	8							SS-8 M			Tan, red, gray, and orange, SILTY/SANDY, fine, moderately sorted, CLAY. Grades into red, gray, tan, and orange, SILTY/CLAYEY, fine, moderately sorted SAND.
39.07	2.94	4	10	10							M	39.51	2.50	DUPLIN FORMATION
37.54	4.47	4	6	8							Sat.			
36.02	5.99	3	2	2							Sat.			Tan, and red, SILTY, fine, moderately sorted SAND.
34.50	7.51	3	2	2							Sat.			
32.98	9.03	1	1	2							Sat.	33.41	8.60	
31.46	10.55	7	6	6							Sat.			Orange, red, and tan, fine to med., moderately sorted SAND. Grades into tan, SILTY fine to med., moderately sorted SAND.
29.94	12.07	4	6	7							Sat.			
28.42	13.59	4	8	9							Sat.	28.73	13.28	
26.90	15.11	37	40	50							Sat.			Orange and red, fine to cse., moderately sorted SAND.
25.38	16.63	10	5	22							Sat.	26.75 26.60	15.26 15.41	Gray, SILTY CLAY. Gray, fine to cse., moderately sorted SAND.
		8	11	16							SS-9 M	25.71	16.30	Gray, very stiff, SILTY CLAY with cse. qtz. fragments.
												24.93	17.08	Boring Terminated at Elevation 24.93 m in a gray, very stiff, SILTY CLAY with cse. qtz. fragments. DUPLIN FORMATION

NCDOT BORE DOUBLE 201-020.GPJ, NC_DOT.GDT, 5/2/01



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SITE DESCRIPTION Bridge on -Y3- (US 74) over -L- (proposed US 74)							GROUND WATER (m)							
BORING NO. EB2-B		BORING LOCATION 34+000.2		OFFSET 11.4m RT		ALIGNMENT -Y3-		0 HR. 1.27						
COLLAR ELEV. 42.09 m		NORTHING 93,478.2		EASTING 601,446.9		24 HR. 1.30								
TOTAL DEPTH 18.60 m		DRILL MACHINE 45B-ATV		DRILL METHOD Mud Rotary		HAMMER TYPE Manual								
DATE STARTED 4/9/01		COMPLETED 4/9/01		SURFACE WATER DEPTH NA										
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
		15cm	15cm	15cm	0	20	40	60	80				100	
42.09	0.00				Ground Surface							42.09	0.00	
41.18	0.91	2	3	2							M	41.94	0.15	Brown, SILTY, fine, moderately sorted SAND, R.C.P.
40.26	1.83	3	4	7							M	40.59	1.50	Tan and red, SILTY/CLAYEY, fine, moderately sorted SAND. DUPLIN FORMATION
39.15	2.94	3	7	10							M			
37.62	4.47	5	5	10							M			
36.10	5.99	3	2	5							Sat.			Tan, gray, red, and orange, SILTY, fine, moderately sorted SAND.
34.58	7.51	2	1	2							Sat.			
33.06	9.03	1	2	3							Sat.	33.49	8.60	
31.54	10.55	3	5	5							Sat.			Orange, SILTY, fine to med., moderately sorted SAND.
30.02	12.07	4	6	6							Sat.	30.49	11.60	
28.50	13.59	4	5	8							SS-10 Sat.			Tan and light gray, SILTY, fine to med., moderately sorted SAND. Grades into fine to med., moderately sorted SAND.
26.98	15.11	3	8	11							SS-11 Sat.	27.39	14.70	
25.46	16.63	8	15	15							Sat.			Tan, SILTY, fine to cse., poorly sorted SAND.
23.94	18.15	10	14	19							Sat.	24.89	17.20	
		14	15	17							M	23.49	18.60	Gray, hard, SILTY CLAY with sand size qtz.
														Boring Terminated at Elevation 23.49 m in a gray, hard, SILTY CLAY with sand size qtz. DUPLIN FORMATION