N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

CATLIN ENGINEERS and SCIENTISTS

SHEET 1 OF 1

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. B1-A	**BORING LOCATION** 33+071.2	**OFFSET** 5.4m LT	**ALIGNMENT** -Y3-	**0 HR.** 0.98
COLLAR ELEV. 41.91 m	**NORTHING** 93,511.2	**EASTING** 601,447.3		**24 HR.** 0.70
TOTAL DEPTH 17.01 m	**DRILL MACHINE** 45B-ATV	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Manual	
DATE STARTED 4/5/01	**COMPLETED** 4/5/01	**SURFACE WATER DEPTH** NA		

ELEV. (m)	DEPTH (m)	BLOW COUNT 15cm	15cm	15cm	BLOWS PER 30 CM 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
41.91	0.00				Ground Surface				41.91 0.00
41.61	0.30						M		Dark brown, SILTY, fine, moderately sorted SAND. R.C.P
40.66	1.25	1	1	2	3				Gray, SILTY, fine, moderately sorted SAND. Grades into a CLAYEY SAND. DUPLIN FORMATION.
40.09	1.82	1	2	2	4		Sat.		40.09 1.82
39.01	2.90	5	6	7	13		Sat.		
37.49	4.42	3	3	3	6		Sat.		
35.97	5.94	1	3	1	4	SS-12	Sat.		Gray, orange, red, and tan, SILTY, fine, moderately sorted, SAND.
34.45	7.46	2	3	1	4		Sat.		
32.95	8.96	2	4	1	5		Sat.		
31.43	10.48	7	10	10	20		Sat.		
29.91	12.00	6	8	8	16		Sat.		
28.39	13.52	5	8	7	15		Sat.		34.61 7.30
26.87	15.04	28	39	35	74		Sat.		Gray, orange, red, and tan, SILTY, fine to med., moderately sorted SAND.
25.35	16.56	36	25	23	48		Sat.		28.66 13.25
		10	15	16	31	SS-3	M		Tan, fine to med., well sorted SAND. Grades into a tan/orange, SILTY/CLAYEY, fine to med., moderately sorted, SAND.
									25.56 16.35
									Gray, hard, SILTY CLAY with med. sand size qtz. fragments. 24.90 17.01
									Boring Terminated at Elevation 24.90 m in a gray, hard, SILTY CLAY with med. sand size qtz. fragments. DUPLIN FORMATION

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

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SHEET 1 OF 1

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. B1-B	**BORING LOCATION** 33+074.3	**OFFSET** 11.0m RT	**ALIGNMENT** -Y3-	**0 HR.** 1.07
COLLAR ELEV. 41.72 m	**NORTHING** 93,501.4	**EASTING** 601,435.2		**24 HR.** 0.87
TOTAL DEPTH 16.95 m	**DRILL MACHINE** 45B-ATV	**DRILL METHOD** Mud rotary	**HAMMER TYPE** Manual	
DATE STARTED 4/6/01	**COMPLETED** 4/6/01	**SURFACE WATER DEPTH** NA		

ELEV. (m)	DEPTH (m)	BLOW COUNT 15cm	15cm	15cm	BLOWS PER 30 CM 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
41.72	0.00				Ground Surface				41.72 0.00
41.54	0.18								41.64 0.08
41.47	0.25						M		Dark brown, SILTY, fine, moderately sorted SAND. R.C.P.
40.81	0.91	2	3	1	4		M		Gray SILTY, fine, moderately sorted SAND. Grades into a CLAYEY SAND. DUPLIN FORMATION.
40.22	1.50	2	2	5	7				40.22 1.50
39.90	1.82	5	6	9	15		Sat.		
38.81	2.91	5	7	8	15	SS-1	Sat.		
37.38	4.34	5	5	4	9		Sat.		Gray, tan, red, and orange, SILTY, fine, moderately sorted SAND with mottling present from elevation 34.34m to 33.32m.
35.86	5.86	2	4	3	7		Sat.		
34.34	7.38	3	3	3	6		Sat.		
32.82	8.90	6	8	10	18		Sat.		33.32 8.40
31.30	10.42	5	8	15	23		Sat.		Tan/orange, and red, fine to med., moderately sorted SAND.
29.78	11.94	4	4	8	12		Sat.		30.12 11.60
28.26	13.46	8	16	20	36		Sat.		Light gray, tan, and orange, SILTY, fine, moderately sorted SAND with some gravel fragments up to 4mm.
26.74	14.98	9	7	7	14	SS-2	Sat.		27.22 14.50
25.22	16.50	12	18	19	37		Sat.		Light gray and tan, SILTY/CLAYEY, fine to cse., poorly sorted SAND. Grades into a tan, med. to very cse., moderately sorted SAND.
									24.77 16.95
									Boring Terminated at Elevation 24.77 m in a tan, med. to very cse., moderately sorted SAND. DUPLIN FORMATION