

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 34459.1.6	ID. R-2552C	COUNTY JOHNSTON	GEOLOGIST J.L. LOVE
SITE DESCRIPTION STRUCTURE NO. 606 ON -FLYOVER- OVER -Y4- (US 70)			GROUND WATER
BORING NO. EBI-B	BORING LOCATION 9+10.0	OFFSET 7.0m RT	ALIGNMENT -FLYOVER-
COLLAR ELEV. 89.53m	NORTHING 205762.4	EASTING 662541.1	0 HR. 2.50m
TOTAL DEPTH 16.42m	DRILL MACHINE MOBILE B-57	DRILL METHOD H.S. AUGERS	HAMMER TYPE MANUAL
START DATE 2/16/04	COMPLETION DATE 2/16/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
89.53													ROADWAY EMBANKMENT, RED-ORANGE, SILTY CLAY
	0.94	3	6	7	0.30								
88.00													COASTAL PLAIN, ORANGE-BROWN AND GRAY, SILTY CLAY
	2.46	12	15	20	0.30								
86.00													GRAY AND RED, CLAYEY SAND
	3.98	3	10	8	0.30								
84.00													ORANGE TO WHITE, SANDY CLAY
	5.50	4	3	3	0.30								
82.00													
	7.02	2	2	3	0.30								
80.00													
	8.54	2	3	2	0.30								
78.00													ORANGE-BROWN, SILTY CLAY
	11.58	6	8	7	0.30								
76.00													RESIDUAL, DARK GRAY, CLAYEY SILT
	13.10	14	28	60	0.30								
74.00													SOFT WEATHERED ROCK (MICA SCHIST)
	14.62	24	48	52	0.28								
	16.14	20	80		0.28								
72.00	BORING TERMINATED AT ELEVATION 73.11 METERS IN SOFT WEATHERED ROCK (MICA SCHIST)												
70.00													

PROJECT NO. 34459.1.6	ID. R-2552C	COUNTY JOHNSTON	GEOLOGIST N.D. MOHS
SITE DESCRIPTION STRUCTURE NO. 606 ON -FLYOVER- OVER -Y4- (US 70)			GROUND WATER
BORING NO. BI-B	BORING LOCATION 9+32.0	OFFSET 6.5m RT	ALIGNMENT -FLYOVER-
COLLAR ELEV. 89.35m	NORTHING 205754.9	EASTING 662562.8	0 HR. N/A
TOTAL DEPTH 18.03m	DRILL MACHINE CME-550	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC
START DATE 10/22/04	COMPLETION DATE 10/22/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 18.03m

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
89.35													ROADWAY EMBANKMENT, RED-ORANGE, SILTY CLAY
	1.20	3	3	3	0.30								
88.00													COASTAL PLAIN, RED-ORANGE, SILTY CLAY
	2.72	9	12	9	0.30								
86.00													GRAY TO TAN-BROWN, SILTY SAND
	4.24	4	7	11	0.30								
84.00													GRAY TO RED-BROWN, SILTY CLAY
	5.76	3	4	4	0.30								
82.00													TAN TO RED, CLAYEY SAND
	7.28	1	0	1	0.30								
80.00													LIGHT GRAY AND ORANGE, SANDY CLAY
	8.80	WOH	WOH	WOH	0.30								
	10.32	WOH	WOH	WOH	0.30								
78.00													
	11.84	2	1	2	0.30								
76.00													RESIDUAL, TAN-BROWN TO ORANGE, SILTY CLAY
	13.36	8	7	7	0.30								
74.00													GRAY AND BLACK, SANDY SILT
	14.88	5	7	10	0.30								
	16.40	32	28	40	0.30								
72.00													
	17.92	100			0.11								
70.00	TRICONE REFUSAL AT ELEVATION 71.32 METERS ON HARD ROCK (MICA SCHIST)												