

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 NEW BRIDGE ON -L2LT- (US 70 BYPASS) OVER LITTLE CREEK						GROUND WATER						
BORING NO. EB2-A		BORING LOCATION 110+29.30		OFFSET 9.2m LT		ALIGNMENT -L2LT-						
COLLAR ELEV. 58.87m		NORTHING 206179.1		EASTING 659416.0		0 HR. DRY 24 HR. DRY						
TOTAL DEPTH 7.11m		DRILL MACHINE MOBILE B-57		DRILL METHOD CORE BORING		HAMMER TYPE MANUAL						
START DATE 7/28/04		COMPLETION DATE 7/28/04		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 1.64m						
ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
58.87												
58.00	1.04	23	46	28	0.30					74	SS-31	D M RESIDUAL, ORANGE-BROWN, SANDY CLAY HIGHLY PLASTIC
56.00												
54.00											RS-9	HARD ROCK, DARK GRAY-GREEN, MODERATELY WEATHERED TO FRESH, META-GABBRO WITH SILTY CLAY SOIL ZONES REC = 50% RQD = 38%
52.00												
50.00												CORING TERMINATED AT ELEVATION 51.76 METERS IN HARD ROCK (META-GABBRO)
48.00												
46.00												
44.00												
42.00												
40.00												

CORE BORING REPORT							
PROJECT: 34459.1.6		ID: R-2552 C		COUNTY: Johnston		BORING NO: EB2-A	
DESCRIPTION: New Bridge on -L2LT- (US 70 Bypass) over Little Creek							
LOCATION OF BORING: -L- Sta. 110+29.3, Offset 9.2m LT						COMPLETION DATE: 7/27/04	
COLLAR or GROUND ELEVATION: 58.87 m				CORE SIZE: NQ2		GEOLOGIST: J.L. Love	
CORE EQUIPMENT: Mobile B-57, N-Casing, NQ-barrel				DRILLER: M. Moseley			
ELEV (m)	DEPTH (m)	DRILL RATE (min/0.3m)	RUN (m)	REC (m) (%)	RQD (m) (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
57.23	1.64	2:30 2:42 5:12	0.91	0.44 (48%)	0.10 (11%)		Dark green, moderately weathered to fresh, sound, meta-gabbro with an 80 degree clay filled joint
56.32	2.55	-					
56.32	2.55	0:31 1:15 1:27 1:12	1.52	0.45 (30%)	0.27 (18%)		(2.55-3.62) Dark green, slightly weathered to fresh, moderately fractured to sound, meta-gabbro (3.62-4.07) Silty clay soil
54.80	4.07	0:48					
54.80	4.07	1:30 2:02 1:47 0:35	1.52	0.89 (59%)	0.87 (57%)	RS-9 5.37-5.50	Dark green, fresh, sound, meta-gabbro with several soil zones (4.74-5.37) Silty clay soil
53.28	5.59	2:06					
53.28	5.59	1:41 1:59 2:54 5:37	1.52	0.95 (63%)	0.86 (57%)		(5.59-6.66) Dark green, fresh, sound, meta-gabbro (5.72-6.00) and (6.30-6.57) Silty clay soil
51.76	7.11	0:20					
BOREHOLE TERMINATED AT ELEVATION OF 51.76 METERS, IN META-GABBRO.							