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. EB1-B	BORING LOCATION 108+85.9	OFFSET 0.2m RT	ALIGNMENT -L2LT- / 0 HR. N/A
COLLAR ELEV. 59.74m	NORTHING 206234.3	EASTING 659289.3	24 HR. 1.30m
TOTAL DEPTH 5.63m	DRILL MACHINE MOBILE B-57	DRILL METHOD H.S. AUGERS	HAMMER TYPE MANUAL
START DATE 7/21/04	COMPLETION DATE 7/21/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 3.81m

ELEV.	DEPTH	BLOW COUNT 15cm	15cm	15cm	PEN. (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
59.74										
	0.92	15	14	17	0.30	31	SS-22	D		RESIDUAL, ORANGE-BROWN, HIGHLY PLASTIC SANDY CLAY
58.00										
	2.44	6	8	10	0.30	18	SS-23	M		TAN, SANDY SILT WITH SOME MICA
							S-24	M		BROWN, MICACEOUS SILTY SANDY CLAY
56.00							RS-4			HARD ROCK, TAN, GRAY, AND PINK-GRAY, FRESH, SLIGHTLY FRACTURED TO SOUND META-GRANITE REC = 89% RQD = 58%
54.00						CORING TERMINATED AT ELEVATION 54.11 METERS IN HARD ROCK (META-GRANITE)				
52.00										
50.00										
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: EB1-B

DESCRIPTION: New Bridge on -L2LT- (US 70 Bypass) over Little Creek

LOCATION OF BORING: -L- Sta. 108+85.9, Offset 0.2m RT COMPLETION DATE: 7/21/04

COLLAR or GROUND ELEVATION: 59.74 m CORE SIZE: NWD4 GEOLOGIST: J.L. Love

CORE EQUIPMENT: Mobile B-57, HSA , NWD4-barrel DRILLER: J. White

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.3m)	RUN (m)	REC (m) (%)	RQD (m) (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
55.93	3.81	6:46/.30m					Tan to gray, fresh, slightly fractured to sound, meta-granite, 45 degree fracture at 3.90m
		-	0.30	0.22	0.00		
		-					
		-		(73%)	(0%)		
55.63	4.11	-					
55.63	4.11	12:36					Pink-gray, fresh, slightly fractured to sound, meta-granite,
		15:50		1.40	1.05	RS-4	45 degree fracture at 4.60m, 70 degree fracture at 5.30m-5.46m
		14:49	1.52			4.36-4.50	
		27:53		(92%)	(69%)		
54.11	5.63	31:42					
							BOREHOLE TERMINATED AT ELEVATION OF 54.11 METERS, IN META-GRANITE.