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. B1-A	BORING LOCATION 109+08.0	OFFSET 10.2m LT	ALIGNMENT -L2LT-	0 HR. N/A
COLLAR ELEV. 54.66m	NORTHING 206233.8	EASTING 659307.7	24 HR. 1.05m
TOTAL DEPTH 8.31m	DRILL MACHINE MOBILE B-57	DRILL METHOD H.S.AUGER/CORE	HAMMER TYPE MANUAL
START DATE 7/22/04	COMPLETION DATE 7/23/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 5.87m

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
54.66										
54.00	1.10	3	2	2	0.30	X-4	SS-28	W		ALLUVIAL, TAN-GRAY, SILTY SAND
52.00	2.62	2	2	3	0.30	X-5	SS-29	W 87%		GRAY, MEDIUM DENSE, QUARTZ GRAVEL
50.00	4.14	2	3	4	0.30	X-7		M		RESIDUAL, ORANGE-BROWN, SANDY SILTY CLAY
	5.66	10	90		0.21	100+ X				SOFT WEATHERED ROCK (META-GRANITE)
48.00							RS-5			HARD ROCK, GRAY, FRESH, SLIGHTLY FRACTURED TO SOUND, META-GRANITE REC = 100% RQD = 91%
46.00						CORING TERMINATED AT ELEVATION 46.35 METERS IN HARD ROCK (META-GRANITE)				
44.00										
42.00										
40.00										
38.00										
36.00										

CORE BORING REPORT

PROJECT: 34459.1.6 ID: R-2552 C COUNTY: Johnston BORING NO: B1-A

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

LOCATION OF BORING: -L- Sta. 109+08.0, Offset 10.2m LT COMPLETION DATE: 7/23/04

COLLAR or GROUND ELEVATION: 54.66 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
48.79	5.87	9:33					Gray, fresh, slightly fractured to sound, meta-granite.
		6:15		1.46	1.25		Healed conchoidal fractures from 6.68m to 6.94m.
		7:27	1.46				
		8:01		(100%)	(86%)		
47.33	7.33	0.08/7:58					
47.33	7.33	8:32					Gray, fresh, sound, meta-granite, quartz-filled fracture (70 degrees) at 7.71m.
		11:22		0.98	0.98	RS-5	
		52:01	0.98			8.17-8.31	
		-		(100%)	(100%)		
46.35	8.31	-					

BOREHOLE TERMINATED AT ELEVATION OF 46.35 METERS, IN META-GRANITE.