

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 -L2RT- (US 70 BYPASS) OVER LITTLE CREEK			GROUND WATER
BORING NO. B3-B	BORING LOCATION 110+69.6	OFFSET 9.1m RT	ALIGNMENT -L2RT-
COLLAR ELEV. 54.55m	NORTHING 206071.6	EASTING 659414.3	0 HR. N/A 24 HR. 0.85m
TOTAL DEPTH 13.88m	DRILL MACHINE MOBILE B-57	DRILL METHOD HSA/ROTARY/CORE	HAMMER TYPE MANUAL
START DATE 8/11/04	COMPLETION DATE 8/11/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 7.80m

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
54.55												
54.00	1.22	16	15	16	0.30					31	SS-60	M ALLUVIAL, BROWN, SANDY SILT
52.00	2.74	45	55	0.25						100+	M	RESIDUAL, ORANGE-BROWN, SAND WITH WEATHERED FRAGMENTS
50.00	4.26	100		0.10						100±		SOFT WEATHERED ROCK (META-GRANITE)
48.00	5.78	50		0.02						50/0.02		HARD WEATHERED ROCK (META-GRANITE)
46.00	7.30	100		0.11						100±		SOFT WEATHERED ROCK (META-GRANITE)
44.00											RS-2	HARD ROCK, TAN-PINK, SLIGHTLY WEATHERED TO FRESH, MODERATELY TO FRACTURED TO SOUND, META-GRANITE
42.00												REC = 82% RQD = 22%
40.00												CORING TERMINATED AT ELEVATION 40.67 METERS IN HARD ROCK (META-GRANITE)
38.00												
36.00												
34.00												

CORE BORING REPORT

PROJECT: 34459.1.6	ID: R-2552 C	COUNTY: Johnston	BORING NO: B3-B
DESCRIPTION: New Bridge on -L2RT- (US 70 Bypass) over Little Creek			
LOCATION OF BORING: -L- Sta. 110+69.6, Offset 9.1m RT			COMPLETION DATE: 8/11/04
COLLAR or GROUND ELEVATION: 54.55 m		CORE SIZE: NQ2	GEOLOGIST: J.L. Love
CORE EQUIPMENT: Mobile B-57, HSA, NQ-barrel			DRILLER: M. Moseley

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.3m)	RUN (m)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
46.75	7.80	1:08		1.47	0.71		Tan-pink, slightly weathered to fresh, moderately fractured to sound, meta-granite
		1:12	1.52	(97%)	(47%)		
		1:20					
		1:16					
45.23	9.32	1:30				1.45	0.48
45.23	9.32	1:17	1.52	(95%)	(32%)	RS-2 10.35-10.50	
		1:25					
		1:46					
		1:48					
43.71	10.84	1:23					Tan-pink, slightly weathered to fresh, moderately to slightly fractured, meta-granite
43.71	10.84	1:02	1.52	0.85	0.00		
		1:19					
		2:15					
		1:53					
42.19	12.36	2:45					Tan-pink, slightly weathered to fresh, moderately fractured to sound, meta-granite
42.19	12.36	1:41	1.52	1.20	0.14		
		1:59					
		1:37					
		1:38					
40.67	13.88	1:56		(79%)	(9%)		

BOREHOLE TERMINATED AT ELEVATION OF 40.67 METERS, IN GRANITE.