

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. B2-B	BORING LOCATION 110+29.2	OFFSET 9.0m RT	ALIGNMENT -L2RT-
COLLAR ELEV. 53.76m	NORTHING 206087.9	EASTING 659377.2	0 HR. N/A
TOTAL DEPTH 17.00m		DRILL MACHINE GO TRACT	DRILL METHOD N-CASING/CORE
START DATE 7/19/04	COMPLETION DATE 7/20/04	SURFACE WATER DEPTH N/A	HAMMER TYPE MANUAL
		DEPTH TO ROCK 10.31m	

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
53.76													
52.83	0.87	5	3	2	0.30	X 5							ALLUVIAL, BROWN, SAND
52.00													
	2.39	20	14	13	0.30	X 27							
50.00													
	3.91	10	18	20	0.30	X 38							RESIDUAL, TAN-WHITE, SAND, SAPROLITE
	5.43	11	17	17	0.30	X 34							
48.00													
	6.95	26	36	42	0.30	X 78							ORANGE, SANDY SILT, SAPROLITE WITH SOME WEATHERED FRAGMENTS
46.00													
	8.47	17	29	71	0.29	100+X							SOFT WEATHERED ROCK (META-GRANITE)
44.00													
42.00													
40.00													
38.00													
36.00													
34.00													

CORING TERMINATED AT ELEVATION 36.76 METERS IN HARD ROCK (META-GRANITE)

REC = 77% RQD = 23%

CORE BORING REPORT

PROJECT: 34459.1.6 ID: R-2552 C COUNTY: Johnston BORING NO: B2-B

DESCRIPTION: New Bridge on -L2RT- (US 70 Bypass) over Little Creek

LOCATION OF BORING: -L- Sta. 110+28.5, Offset 7.7m RT COMPLETION DATE: 7/20/04

COLLAR or GROUND ELEVATION: 53.76 m CORE SIZE: NWD4 GEOLOGIST: J.L. Love

CORE EQUIPMENT: Go-Tract, N-Casing, NWD4 DRILLER: J. White

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.3m)	RUN (m)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
43.45	10.31	1:28	0.61	0.53 (87%)	0.00 (0%)		Tan-orange-pink, moderately severe to moderately weathered, moderately fractured, meta-granite
		1:47					
		-					
42.84	10.92	-					
42.84	10.92	2:13	1.52	0.42 (28%)	0.00 (0%)		Orange-brown, moderately severly weathered, moderately fractured, meta-granite
		2:45					
		2:32					
		2:38					
41.32	12.44	3:12					
41.32	12.44	8:57	1.52	1.30 (86%)	0.41 (27%)		(12.44-12.66) Washed away soil zone, only quartz fragments remain (12.66-13.96) Pink, slightly weathered to fresh, moderately fractured to sound, meta-granite
		15:04					
		12:39					
		7:41					
39.80	13.96	6:16					
39.80	13.96	4:30	1.52	1.40 (92%)	0.73 (48%)	RS-1	Pink, fresh, moderately fractured to sound, meta-granite
		3:56					
		3:42					
		3:18					
38.28	15.48	3:09					
38.28	15.48	2:38	1.52	1.52 (100%)	0.40 (26%)		Pink, fresh, moderately fractured to sound, meta-granite,
		2:33					
		2:37					
		2:45					
36.76	17.00	2:57					

BOREHOLE TERMINATED AT ELEVATION OF 36.76 METERS, IN META-GRANITE.