

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. B2-A	BORING LOCATION 109+32.0	OFFSET 10.2m LT	ALIGNMENT -L2LT-
COLLAR ELEV. 55.69m	NORTHING 206223.1	EASTING 659329.3	0 HR. N/A 24 HR. 2.10m
TOTAL DEPTH 18.49m	DRILL MACHINE MOBILE B-57	DRILL METHOD H.S.AUGER/CORE	HAMMER TYPE MANUAL
START DATE 8/5/04	COMPLETION DATE 8/6/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 14.05m

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
55.69												
	1.08	3	3	5	0.30	X 8					D	ALLUVIAL, BROWN, COARSE SAND
54.00												
	2.6	4	7	7	0.30	X 14				SS-48	M	GRAY-BROWN, SANDY SILT
										SS-49	W	BROWN, FINE SAND, SLIGHTLY MICACEOUS
52.00												
	4.12	6	4	8	0.30	X 12				SS-50	M	RESIDUAL, TAN-ORANGE AND BROWN, SILTY SAND AND SAND
50.00												
	5.64	2	4	5	0.30	X 9				SS-51	W	RESIDUAL, TAN-ORANGE AND BROWN, SILTY SAND AND SAND
	6.95	4	2	4	0.30	X 6					W	
48.00												
	8.47	8	9	8	0.30	X 17				SS-52	M	RED-ORANGE, SANDY SILT
46.00												
	9.99	13	11	13	0.30	X 24					M	WHITE AND ORANGE, SAND, SAPROLITE
44.00												
	11.51	6	9	14	0.30	X 23				SS-53	M	GREEN AND WHITE, SANDY SILTY CLAY
42.00												
	13.03	50	50		0.29				100+ X			SOFT WEATHERED ROCK (BIOTITE SCHIST)
40.00												
												HARD ROCK, SEVERELY WEATHERED TO FRESH, MODERATELY TO EXTREMELY FRACTURED, BIOTITE SCHIST WITH GREEN, SANDY SILTY CLAY
38.00												RS-7
												REC = 73% RQD = 34%
36.00												

CORING TERMINATED AT ELEVATION 37.20 METERS IN HARD ROCK (BIOTITE SCHIST)

CORE BORING REPORT

PROJECT: 34459.1.6	ID: R-2552 C	COUNTY: Johnston	BORING NO: B2-A
DESCRIPTION: New Bridge on -L2LT- (US 70 Bypass) over Little Creek			
LOCATION OF BORING: -L- Sta. 109+32.0, Offset 10.2m LT			COMPLETION DATE: 8/6/04
COLLAR or GROUND ELEVATION: 55.69 m		CORE SIZE: NQ2	GEOLOGIST: J.L. Love
CORE EQUIPMENT: Mobile B-57, HSA, N-casing, NQ-barrel			DRILLER: M. Moseley

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.3m)	RUN (m)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
41.64	14.05	2:29	1.40	0.83	0.00		(14.05-14.30) Green and white, severely to slightly weathered, moderately to extremely fractured, biotite schist.
		2:37					
		4:29					
40.24	15.45	3:27	1.52	(59%)	(0%)		(14.40-15.05) Green, sandy silty clay soil.
		3:39/0.18					
40.24	15.45	3:15	1.52	0.91	0.00		(15.05-15.45) Tan-brown and pink, very slightly weathered to fresh, extremely fractured, metaquartzite.
		3:47					
		5:03					
		3:10	1.52	(60%)	(0%)		(15.45-15.70) Dark green, severely to slightly weathered, extremely to moderately fractured, biotite schist.
		6:53					
38.72	16.97	6:53	1.52	1.52		RS-7	(15.70-16.60) Green, sandy silty clay soil.
		4:08					
		3:45					
38.72	16.97	4:08	1.52	(100%)	(100%)	17.65-17.80	(16.60-16.97) Dark green, severely to slightly weathered, extremely to moderately fractured, biotite schist.
		3:45					
		3:54					
37.20	18.49	3:42	1.52	(100%)	(100%)	17.65-17.80	Dark green, fresh, sound, biotite schist.
		3:48					

BOREHOLE TERMINATED AT ELEVATION OF 37.20 METERS, IN BIOTITE SCHIST.