

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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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. EBI-A	BORING LOCATION 109+71.0	OFFSET 1.8m LT	ALIGNMENT -L2RT-	0 HR. 1.40m
COLLAR ELEV. 55.18m	NORTHING 206121.8	EASTING 659328.7		24 HR. 0.80m
TOTAL DEPTH 14.47m	DRILL MACHINE MOBILE B-57	DRILL METHOD H.S. AUGERS	HAMMER TYPE MANUAL	
START DATE 7/15/04	COMPLETION DATE 7/15/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 14.47m	

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION			
		15cm	15cm	15cm		0	25	50	75	100							
55.18																	
54.00	1.34	3	5	9	0.30									SS-1	M	ALLUVIAL, GRAY, SILTY SAND	
52.00	2.86	4	3	4	0.30									SS-2	M	RESIDUAL, TAN-ORANGE, SILTY SAND, SAPROLITE	
50.00	4.38	3	4	3	0.30										W		
48.00	5.90	2	3	5	0.30									SS-3	S	WHITE, SILTY SANDY CLAY, SAPROLITE	
46.00	7.42	2	2	4	0.30										S		
44.00	8.94	5	13	20	0.30									SS-4	M	DARK GREEN, MICACEOUS, SILTY SAND	
42.00	10.46	8	9	9	0.30									SS-5	M		
	11.98	8	10	19	0.30										M		
	13.50	40	60		0.29												SOFT WEATHERED ROCK (META-GRANITE)
40.00																	AUGER REFUSAL AT ELEVATION 40.71 METERS ON HARD ROCK (META-GRANITE)

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. EBI-B	BORING LOCATION 109+77.9	OFFSET 10.2m RT	ALIGNMENT -L2RT-	0 HR. N/A
COLLAR ELEV. 54.96m	NORTHING 206108.0	EASTING 659329.9		24 HR. 0.60m
TOTAL DEPTH 13.64m	DRILL MACHINE MOBILE B-57	DRILL METHOD HSA/ROTARY	HAMMER TYPE MANUAL	
START DATE 7/15/04	COMPLETION DATE 7/15/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A	

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION			
		15cm	15cm	15cm		0	25	50	75	100							
54.00	1.29	21	11	7	0.30									SS-6	D	ALLUVIAL, TAN, COARSE SAND	
52.00	2.81	3	1	2	0.30									SS-7	M	RESIDUAL, TAN-ORANGE, SANDY SILT	
50.00	4.07	4	4	9	0.30										M	TAN AND ORANGE, SILTY AND COARSE SAND, SAPROLITE	
48.00	5.59	5	25	54	0.30									SS-8	M	QUARTZ VEIN	
46.00	7.11	11	9	12	0.30									SS-9	M	TAN AND ORANGE, SILTY AND COARSE SAND, SAPROLITE	
44.00	8.63	18	16	18	0.30										M		
	10.15	19	18	23	0.30										M		
	11.67	23	27	38	0.30										M		
42.00	13.19	21	27	33	0.30										M		
40.00																	BORING TERMINATED AT ELEVATION 41.32 METERS IN RESIDUAL SAND