

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO 8.1830501	ID R-2206C	COUNTY LINCOLN	GEOLOGIST J.K. STICKNEY
SITE DESCRIPTION BRIDGE ON NC 16 OVER KILLIAN CREEK			GND WATER
BORING NO B2-B SBL	NORTHING 0.00	EASTING 0.00	0 HR 0.00m
ALIGNMENT L	BORING LOCATION 199+63.000	OFFSET 9.00m LT	24 HR 1.43m
COLLAR ELEV 233.51m	TOTAL DEPTH 13.37m	START DATE 7/03/03	COMPLETION DATE 07/03/03
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH N/A	DEPTH TO ROCK 6.41m	Log B2-B SBL, Page 1 of 1	

PROJECT NO: 8.1830501 PROJECT ID: R-2206C COUNTY: LINCOLN GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE ON NC 16 OVER KILLIAN CREEK DRILLER: C.L. SMITH
 BORING NO: B2-B SBL BORING LOCATION (STA): 199+63 OFFSET: 9 LT
 COLLAR ELEV: 233.506 PERSONNEL: CEB, AJT CORE SIZE: NXWL
 TOTAL DEPTH: 13.37 DRILL MACHINE: CME-550 DATE STARTED: 7-3-03
 TOTAL RUN: 6.96 DRILL EQUIP: NW CASING / NXWL DATE COMPLETED: 7-7-03

ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100				
233.51														
233.00														Ground Surface
231.00	1.68	2	1	1	0.30	2							SS-10	WET ALLUVIUM - VERY LOOSE TAN-GRAY SAND WITH GRAVEL
229.00	3.20	1	2	10	0.30	12							SS-11	M/W RESIDUAL - MEDIUM STIFF TO HARD GRAY-WHITE MICACEOUS SANDY SILT
227.00	4.73	47	53		0.30				100					DRY WEATHERED ROCK
225.00	6.25	61	39		0.28				100				RUN #1	HARD ROCK - BROWN-WHITE SOFT TO MED. HARD, VERY SEVERELY TO SEVERELY WEATHERED GRANITE, REC=12% RQD=0%
													RUN #2	BROWN-WHITE MEDIUM TO MODERATELY HARD, MODERATELY WEATHERED GRANITE, REC=86% RQD=9%
													RUN #3	HARD TO VERY HARD, MOD. WEATHERED TO FRESH GRANITE, REC=78% RQD=36%
													RS-2	GRAY VERY HARD, FRESH FOLIATED GRANITE, REC=95% RQD=88%
													RUN #4	AS ABOVE, REC=83% RQD=26%
													RUN #5	
220.14														CORING TERMINATED AT ELEVATION 220.136 METERS IN HARD ROCK

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
227.096	6.41		1	12	0		BROWN-WHITE SOFT TO MEDIUM HARD, VERY SEVERELY TO SEVERELY WEATHERED, GRANITE (BROKEN INTO RUBBLE)
225.696	7.81		2	86	9		BROWN-WHITE MEDIUM TO MODERATELY HARD, MODERATELY WEATHERED, GRANITE WITH VERY CLOSE TO CLOSE FRACTURE SPACING
224.176	9.33		3	78	36	RS-2	HARD TO VERY HARD, MOD. WEATHERED TO FRESH, GRANITE WITH CLOSE FRACTURES TO 10.11 THEN, GRAY VERY HARD, SLIGHTLY WEATHERED, FOLIATED GRANITE WITH VERY CLOSE FRACTURES TO END OF RUN
222.656	10.85		4	95	88		GRAY VERY HARD, FRESH, FOLIATED GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
221.366	12.14		5	83	26		AS ABOVE TO 12.74 THEN, MEDIUM HARD, MODERATELY SEVERELY WEATHERED GRANITE WITH VERY CLOSE FRACTURES, LAST 0.14 OF RUN IS VERY HARD, FRESH, FOLIATED GRANITE
220.136	13.37						
NOTES							