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

PROJECT NO: 8.1830503 **PROJECT ID:** R-2206C **COUNTY:** LINCOLN **GEOLOGIST:** C.E. BURRIS
SITE DESCRPTION: DUAL BRIDGES ON NC 16 OVER KILLIAN CREEK **DRILLER:** C.L. SMITH
BORING NO: B2-B NBL **BORING LOCATION (STA):** 223+13 **OFFSET:** 16.7 RT
COLLAR ELEV: 252.076 **PERSONNEL:** J.K. STICKNEY **CORE SIZE:** NXWL
TOTAL DEPTH: 9.35 **DRILL MACHINE:** CME-550 **DATE STARTED:** 12/2/03
TOTAL RUN: 4.27 **DRILL EQUIP:** NXWL, TRI-CONE **DATE COMPLETED:** 12/3/03

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/.3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
246.996	5.08		1	97	84		GRAY FRESH, VERY HARD GRANITE WITH VERY CLOSE TO MODERATELY CLOSE FRACTURE SPACING
245.676	6.40		2	95	78		AS ABOVE, WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
244.176	7.90		3	98	81		AS ABOVE
242.726	9.35						

NOTES

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1830503	**ID** R-2206C	**COUNTY** LINCOLN	**GEOLOGIST** C.E. BURRIS
SITE DESCRIPTION BRIDGE OVER KILLIAN CRK. ON NC 16 BETWEEN MUNDY RD. & NC 150			**GND WATER**
BORING NO B2-B NBL	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** 1.38m
ALIGNMENT L	**BORING LOCATION** 223+13.000	**OFFSET** 16.70m RT	**24 HR** 1.46m
COLLAR ELEV 252.08m	**TOTAL DEPTH** 9.35m	**START DATE** 12/03/03	**COMPLETION DATE** 12/03/03
DRILL MACHINE CME-550	**DRILL METHOD** SPT CORE BORING		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH N/A	**DEPTH TO ROCK** 5.08m		**Log B2-B NBL, Page 1 of 1**

ELEV	DEPTH	BLOW CT 15cm	15cm	15cm	PEN (m)	BLOWS PER 30cm 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
252.08						Ground Surface				
251.00	1.91	0	1	2	0.30	3		MOIST		ALLUVIUM - VERY LOOSE TO LOOSE GRAY-TAN-WHITE MICACEOUS SAND WITH QUARTZ GRAVEL
249.00	3.43	12	11	21	0.30	32	SS-12	MOIST		RESIDUAL - DENSE TO VERY DENSE BROWN-GRAY-TAN MICACEOUS SILTY SAND
247.00	4.96	100			0.11	100	RUN #1			WEATHERED ROCK
245.00							RUN #2			HARD ROCK - GRAY FRESH, VERY HARD GRANITE WITH VERY CLOSE TO MODERATELY CLOSE FRACTURE SPACING, REC=97% RQD=84%
										AS ABOVE, REC=95% RQD=78%
243.00							RUN #3			AS ABOVE, REC=98% RQD=81%
242.73						CORING TERMINATED AT ELEVATION 242.726 METERS IN VERY HARD GRANITE				