NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2572901	ID B-3690	COUNTY RANDOLPH	GEOLOGIST JAY K. STICKNEY
SITE DESCRIPTION BRIDGE#163 OVER BRUSH CREEK ON SR 2641			GND WATER
BORING NO B2-A	NORTHING 0.00	EASTING 0.00	0 HR 1.70ft
ALIGNMENT L	BORING LOCATION 17+07.500	OFFSET 15.00ft LT	24 HR 3.00ft
COLLAR ELEV 406.71ft	TOTAL DEPTH 29.80ft	START DATE 8/12/02	COMPLETION DATE 08/12/02
DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 6.30ft		Log B2-A, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	6in	6in	PEN (ft)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
406.71						Ground Surface				
	5.30	38	62		0.8	100				ALLUVIUM
400.00										5.3' - 6.3' WEATHERED ROCK
										6.3' - 29.8' ROCK
390.00										
380.00										
376.91						TRICONE REFUSAL @ 6.3, CORE TO END OF HOLE AT 29.8'				

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

PROJECT NO: 8.2572901 **PROJECT ID:** B-3690 **COUNTY:** Randolph **GEOLOGIST:** J.K. STICKNEY
SITE DESCRPTION: Bridge 163 over Brush Creek on SR 2641 **DRILLER:** R.S. HINSON
BORING NO: B2-A **BORING LOCATION (STA):** 17+07.5 **OFFSET:** 15 LT.
COLLAR ELEV: 406.71 **PERSONNEL:** DH RSH,JKS, **CORE SIZE:** NXWL
TOTAL DEPTH: 29.8' **DRILL MACHINE:** CME-550 **DATE STARTED:** 08/12/02
TOTAL RUN: 23.5' **DRILL EQUIP:** NXWL/NXCAS/ **DATE COMPLETED:** 08/12/02

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
400.41	6.3	4.2	1				6.2' -13.0' Hard to very hard, very close fractured, slightly weathered with joints dipping at 60 and 15.
396.61	10.1	2.4	2				13.0' to 23' Very hard fresh close to moderately close fractured crystalline rock. Cleavage joints at 60 to 70 dip are filled with off white mineral, possibly epidote. Very homogenous blue-grey rock.
391.61	15.1	5.1	3				
386.61	20.1	15	4				23' to 29.8' Very hard, fresh close spaced fractured crystalline rock. Cleavage fractures are slightly steeper at 70 to 75 degree dip. Probably metamorphosed volcanic rock.
381.61 376.91	25.1 29.8	1.65	5				

NOTES