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

PROJECT NO: 33608.1.1 **PROJECT ID:** B-4266 **COUNTY:** RUTHERFORD **GEOLOGIST:** R.W. TODD
SITE DESCRPTION: BR #110 ON SR 1991 OVER HILL'S CREEK. **DRILLER:** C.L. SMITH
BORING NO: B1-A **BORING LOCATION (STA):** 13+13 -L- **OFFSET:** 17.0' LT.
COLLAR ELEV: 756.80' **PERSONNEL:** **CORE SIZE:** NXWL
TOTAL DEPTH: 34.90' **DRILL MACHINE:** CME-550 **DATE STARTED:** 01/06/05
TOTAL RUN: 15.10' **DRILL EQUIP:** **DATE COMPLETED:** 01/07/05

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
737.00	19.80		1	95	89	RS-1	WHITE/GRAY, SLI. WEATH., HARD, META. GRANITE. FS = MOD. CLOSE
731.30	25.50		2	100	96		WHITE/GRAY, SLI. WEATH., HARD, META. GRANITE. FS = MOD. CLOSE
726.70	30.10		3	100	100		GRAY, SLI. WEATH., HARD, MICA SCHIST.
721.90	34.90						FS = MOD. CLOSE

NOTES

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33608.1.1	**ID** B-4266	**COUNTY** RUTHERFORD	**GEOLOGIST** RWT
SITE DESCRIPTION BRIDGE 110 ON SR 1991 OVER HILL'S CREEK			**GND WATER**
BORING NO B1-A	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** N/A
ALIGNMENT L	**BORING LOCATION** 13+13.000	**OFFSET** 17.00ft LT	**24 HR** 6.00ft
COLLAR ELEV 756.80ft	**TOTAL DEPTH** 34.90ft	**START DATE** 1/06/05	**COMPLETION DATE** 01/07/05
DRILL MACHINE CME 550	**DRILL METHOD** H.S. AUGERS		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH	**DEPTH TO ROCK** 19.80ft		Log B1-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
756.80						Ground Surface				
										(ALLUVIUM) BRN. LOOSE MOIST SILTY SAND
										RIP-RAP
750.00										BRN/GRAY LOOSE MOIST SILTY SAND
	11.00	2	2	2	1.0	4	SS-1	SAT		(RESIDUAL) BRN./BLK. LOOSE SAT. MIC. SILTY SAND
740.00	16.00	7	61	39	0.9	100				
	19.80	50			0.0	50				WEATHERED ROCK
							RUN 1			(HARD CRYSTALLINE ROCK) WHITE/GRAY, SLI. WEATH., HARD, META. GRANITE. REC = 95% RQD = 89%
							RS-1 RUN 2			WHITE/GRAY SLI. WEATH., HARD, META. GRANITE. REC = 100% RQD = 89%
							RUN 3			GRAY, SLI. WEATH., HARD, MICA SCHIST. REC = 100% RQD = 100%
721.90						BORING TERMINATED AT ELEV. 721.90 IN GRAY, SLI. WEATH., HARD, MICA SCHIST.				