NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34517.1.1	ID R-2911D	COUNTY ROWAN	GEOLOGIST J.K. STICKNEY
SITE DESCRIPTION BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728			GND WATER
BORING NO B2-A RT LN	NORTHING 0.00	EASTING 0.00	0 HR 6.60ft
ALIGNMENT L	BORING LOCATION 304+83.000	OFFSET 27.70ft RT	24 HR 5.00ft
COLLAR ELEV 653.64ft	TOTAL DEPTH 46.80ft	START DATE 4/02/04	COMPLETION DATE 04/02/04
DRILL MACHINE CME-550	DRILL METHOD NW CASING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 30.70ft		Log B2-A RT LN, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	BLOW CT 6in	BLOW CT 6in	PEN (ft)	BLOWS PER FOOT (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
653.64						Ground Surface				
650.00	4.70	1	2	2	1.0	4		MOIST		ALLUVIUM - SOFT TAN-GRAY-BROWN CLAYEY SANDY SILT
	9.70	1	1	1	1.0	2		M/W		VERY LOOSE TO LOOSE GRAY SAND WITH WOOD CHUNKS
640.00	14.70	1	2	3	1.0	5		SAT		
	19.70	2	4	5	1.0	9		MOIST		
630.00	24.70	5	20	43	1.0	63	SS-7	MOIST		RESIDUAL - MEDIUM DENSE TO VERY DENSE BROWN-TAN SAND
	29.70	100			0.1	100				
							RUN #1			WEATHERED ROCK
620.00							RUN #2			HARD ROCK - GRAY-WHITE METADIORITE, REC=83% RQD=66%
										AS ABOVE - REC=82% RQD=68%
							RUN #3			AS ABOVE - REC=96% RQD=60%
610.00										
606.84							RUN #4			BLACK-GRAY-WHITE METADIORITE, REC=92% RQD=65%
						CORING TERMINATED AT ELEVATION 606.84 FEET IN HARD ROCK (METADIORITE)				

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

PROJECT NO: 34517.1.1 **PROJECT ID:** R-2911D **COUNTY:** ROWAN **GEOLOGIST:** J.K. STICKNEY
SITE DESCRIPTION: BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728 **DRILLER:** C.L. SMITH
BORING NO: B2-A RT LN **BORING LOCATION (STA):** 304+83 -L- **OFFSET:** 27.7 RT.
COLLAR ELEV: 653.64 **PERSONNEL:** D.K. BRATTON **CORE SIZE:** NXWL
TOTAL DEPTH: 46.8 **DRILL MACHINE:** CME-550X **DATE STARTED:** 3/2/04
TOTAL RUN: 16.1 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 3/2/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
622.94	30.7		1	83	66		GRAY-WHITE FRESH V. HARD METADIORITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
619.14	34.5	1.6	2	82	68		GRAY-WHITE FRESH V. HARD METADIORITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING. (SEAM FROM 35.0'-35.6' IS SLI. WEATH. AND V. CLOSELY FRACTURED)
614.14	39.5	1.84	3	96	60		FIRST 0.7' OF RUN IS V. CLOSELY FRACTURED THEN BLACK-GRAY-WHITE FRESH V. HARD METADIORITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
609.24	44.4	1.07	4	92	65		BLACK-GRAY-WHITE FRESH V. HARD METADIORITE W/ V. CLOSE TO CLOSE FRACTURE SPACING.
606.84	46.8						

NOTES