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-B RT LN	NORTHING 0.00	EASTING 0.00	0 HR 6.30ft
ALIGNMENT L	BORING LOCATION 304+85.000	OFFSET 42.00ft RT	24 HR 6.00ft
COLLAR ELEV 654.86ft	TOTAL DEPTH 51.20ft	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 30.90ft		Log B2-B 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
654.86						Ground Surface				
650.00	5.20	1	2	3	1.0	5	SS-4	MW		ALLUVIUM - SOFT TO MEDIUM STIFF TAN-GRAY-BROWN CLAYEY SANDY SILT
	10.20	3	4	2	1.0	6	SS-5	SAT		LOOSE GRAY SAND
640.00	15.20	1	1	3	1.0	4		"		
	20.20	3	12	10	1.0	22	SS-6	MOIST		RESIDUAL - MEDIUM DENSE GRAY-WHITE SAND
630.00	25.20	11	25	75	0.9	100		DRY		WEATHERED ROCK
	30.20	68	32		0.7	100	RUN #1			HARD ROCK - GRAY-WHITE METADIORITE, REC=85% RQD=0%
620.00							RUN #2			AS ABOVE - REC=40% RQD=0%
							RUN #3			GRAY-BLACK-WHITE METADIORITE, REC=98% RQD=85%
610.00							RUN #4			AS ABOVE - REC=93% RQD=80%
603.66							RS-4 RUN #5			AS ABOVE - REC=100% RQD=100%

~~Continued on the next page~~

Coring Terminated @ 603.66' 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-B RT LN **BORING LOCATION (STA):** 302+85 -L- **OFFSET:** 42.0 RT.
COLLAR ELEV: 654.86 **PERSONNEL:** D.K. BRATTON **CORE SIZE:** NXWL
TOTAL DEPTH: 51.2 **DRILL MACHINE:** CME-550X **DATE STARTED:** 4/2/04
TOTAL RUN: 20.3 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 4/2/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
623.96	30.9		1	85	0		GRAY-WHITE MOD. TO SLI. WEATH. MOD. HARD METADIORITE W/ CLOSE FRACTURES.
619.86	35.0	1.17	2	40	0		GRAY-WHITE MOD. TO SLI. WEATH. MOD. HARD METADIORITE W/ CLOSE FRACTURES.
614.86	40.0	1.4	3	98	85		GRAY-BLACK-WHITE FRESH V. HARD METADIORITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
609.96	44.9	1.47	4	93	80	RS-4 (48.8-49.2)	GRAY-BLACK-WHITE FRESH V. HARD METADIORITE (1 SOLID PIECE OF CORE TO 4.1' THEN 2 FRACTURES)
604.96	49.9	1.3	5	100	100		GRAY-BLACK-WHITE FRESH V. HARD METADIORITE (1 SOLID PIECE OF CORE)
603.66	51.2						

NOTES