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 B1-B RT LN	**NORTHING** 0.00	**EASTING** 0.00		**0 HR** 9.70ft
ALIGNMENT L	**BORING LOCATION** 303+62.000	**OFFSET** 53.00ft RT		**24 HR** 6.40ft
COLLAR ELEV 657.37ft	**TOTAL DEPTH** 48.30ft	**START DATE** 4/04/04	**COMPLETION DATE** 04/04/04	
DRILL MACHINE CME-550	**DRILL METHOD** NW CASING		**HAMMER TYPE** AUTOMATIC	
SURFACE WATER DEPTH N/A	**DEPTH TO ROCK** 39.80ft		**Log B1-B RT LN, 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
657.37						Ground Surface				
	6.00	0	1	1	1.0	2		MOIST		ALLUVIUM - VERY SOFT TAN-BROWN-GRAY CLAYEY SANDY SILT
650.00	11.00	0	0	0	1.0	0		M/W		VERY LOOSE BROWN-GRAY MICACEOUS SAND
640.00	16.00	1	0	1	1.0	1		SAT		
	21.00	1	1	2	1.0	3		"		
630.00	26.00	12	8	20	1.0	28	SS-15	MOIST		RESIDUAL - VERY STIFF BROWN-GRAY MICACEOUS CLAYEY SILTY SAND
	31.00	16	20	18	1.0	38	SS-16	MOIST		DENSE BROWN SAND
	36.00	88	12		0.5	100				WEATHERED ROCK
620.00							RUN #1 RUN #2			HARD ROCK - GRAY, FRESH, VERY HARD METAGABBRO, REC=100% RQD=100%
610.00							RUN #3			AS ABOVE - REC=95% RQD=85%
609.07										AS ABOVE - REC=100% RQD=96%
						CORING TERMINATED AT ELEVATION 609.07 FEET IN HARD ROCK (METAGABBRO)				

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: B1-B RT LN **BORING LOCATION (STA):** 303+62 -L- **OFFSET:** 53.0 RT
COLLAR ELEV: 657.37 **PERSONNEL:** D.K. BRATTON **CORE SIZE:** NXWL
TOTAL DEPTH: 48.3 **DRILL MACHINE:** CME-550X **DATE STARTED:** 4/8/04
TOTAL RUN: 8.5 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 4/8/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
617.57	39.8		1	100	100		GRAY FRESH V. HARD METAGABBRO (1 SOLID PIECE)
616.57	40.8	1.68	2	95	85		GRAY FRESH V. HARD METAGABBRO (3 SOLID PIECES OF CORE)
611.57	45.8	1.56	3	100	96		GRAY FRESH V. HARD METAGABBRO (2 SOLID PIECES OF CORE)
609.07	48.3						

NOTES