

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34357.1.1		ID R-0977A		COUNTY CHEROKEE		GEOLOGIST TB DANIEL								
SITE DESCRIPTION US 64 EBL OVER HIWASSEE RIVER AT -LC1B- 16+02.3 POT							GND WATER							
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -LC1B-		BORING LOCATION 14+86.655		OFFSET 10.29m RT		24 HR 1.37m								
COLLAR ELEV 465.25m		TOTAL DEPTH 9.02m		START DATE 2/04/04		COMPLETION DATE 02/04/04								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100				
465.25														Ground Surface
464.00	1.58	0	3	3	0.30	6								FILL: SANDY SILT
462.00	3.10	2	100	0.26										ALLUVIUM: SILTY SAND WITH BASAL GRAVEL
460.00														WEATHERED ROCK
458.00														CRYSTALLINE ROCK: PHYLLITE. TOTAL CORE RUN=5.57 TOTAL RECOVERY=94% TOTAL RQD=66%
456.23														CORING TERMINATED IN HARD FRESH PHYLLITE AT A DEPTH OF 9.02 METERS.

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DATE 02/04/04

CORE BORING REPORT

PROJECT:	8.1910203	I. D. NO:	R-0977A	BORING NO:	EB1-B	GEOLOGIST:	TB DANIEL
DESCRIPTION:	BRIDGE ON -LC1B- (US 64) OVER -HIWASSEE RIVER 14+86.655 10.29 RT -LCIB-						
COUNTY:	CHEROKEE	COLLAR ELEVATION:	465.25 m	TOTAL DEPTH:	9.02 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
461.80	3.45		0.95	0.83 87	0.54 57		3.45 - 4.40 SLIGHTLY WEATHERED, MODERATELY HARD PHYLLITE. MOST BREAKS ON BEDDING AT 45 DEGREES.
460.85	4.40						
460.85	4.40		1.47	1.28 87	0.99 67		4.40 - 6.67 SLIGHTLY WEATHERED, MODERATELY HARD PHYLLITE GRADING TO MODERATELY WEATHERED, MEDIUM HARD PHYLLITE.
459.38	5.87						
459.38	5.87		1.63	1.62 99	1.09 67		6.67 - 9.02 HARD FRESH PHYLLITE. BREAKS ON BEDDING AT 40 DEGREES. FEW STAINS ON BREAKS.
457.75	7.50						
457.75	7.50		1.52	1.52 100	1.40 92		
456.23	9.02						
CORING TERMINATED AT ELEVATION 456.23 m							
DRILLER: JT WILLIAMS		CORE SIZE: NWD-4		EQUIPMENT: CME-550			