

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34357.1.1		ID R-0977A		COUNTY CHEROKEE		GEOLOGIST DP MURPHY						
SITE DESCRIPTION BRIDGE ON EBL OVER MATRIN CK. AT STA. 24+60.5 -LC1B-							GND WATER					
BORING NO EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A	24 HR 8.40m					
ALIGNMENT -LC1B-		BORING LOCATION 25+45.330		OFFSET 2.50m RT								
COLLAR ELEV 481.16m		TOTAL DEPTH 11.67m		START DATE 2/04/04		COMPLETION DATE 02/04/04						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB2-A, 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			
481.16												Ground Surface
480.00	1.27	74	26	0.22					100	X		RESIDUAL: RED MICACEOUS SILTY CLAY WITH WEATHERED ROCK FRAGMENTS, GRADES TO SILTY SAND
478.00	2.79	100		0.04					100	X		WEATHERED ROCK WITH CLAY SEAMS
476.00	4.31	100		0.06					100	X		
474.00	5.83	100		0.08					100	X		
472.00	7.35	100		0.04					100	X		
470.00												CRYSTALLINE ROCK: PHYLLITE WITH THIN SANDY LAYERS, TOTAL RUN = 3.9M TOTAL REC = 98% TOTAL RQD = 75%
469.49												BORING TERMINATED IN FRESH, HARD PHYLLITE AT A DEPTH OF 11.67 METERS.

SHEET 14 OF 19

DATE 2/4/04

CORE BORING REPORT

PROJECT:	8.1910203	I. D. NO:	R-0977A	BORING NO:	EB2-A	GEOLOGIST:	DP MURPHY
DESCRIPTION:	BRIDGE ON -LC1B- (US 64 EBL) OVER MARTIN CREEK 25+45.33 2.5 RT -LC1B-						
COUNTY:	CHEROKEE	COLLAR ELEVATION:	481.16 m	TOTAL DEPTH:	11.76 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
473.39	7.77		0.86	0.83	0.52		7.77 TO 8.35 SLIGHT AND HARD PHYLLITE. SEVERAL RUSTED BREAKS ON BEDDING AT 52 DEGREE PLUNGE, SEVERAL AT ZERO DEGREES.
472.53	8.63			97	60		8.35 TO 8.78 MODERATE WEATHERING, MEDIUM HARD PHYLLITE WITH FRACTURED QUARTZ SEAM.
472.53	8.63		1.52	1.52	1.11		8.78 TO 11.67 SLIGHT TO FRESH AND HARD PHYLLITE
471.01	10.15		100	100	73		
471.01	10.15		1.52	1.46	1.30		
469.49	11.67			96	86		
CORING TERMINATED AT ELEVATION 469.40 m							
DRILLER: DO CHEEK		CORE SIZE: NWD-4		EQUIPMENT: CME-550			

Updated 7/26/95