

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

PROJECT NO: 8.1770801 PROJECT ID: R3427 COUNTY: Yadkin GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: Bridge 30 on US 601 at South Deep Creek DRILLER: C.L. SMITH
 BORING NO: B1-B BORING LOCATION (STA): 236+32-L- OFFSET: 17.5RT CORE SIZE: NXWL
 COLLAR ELEV: 752.19 PERSONNEL: CLS, CEB, JKS DATE STARTED: 09/10/02
 TOTAL DEPTH: 38.5 DRILL MACHINE: CME-550 DATE COMPLETED: 09/10/02
 TOTAL RUN: 16.5 DRILL EQUIP:

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
730.19	22.0	1.9	1	70%	70%		22.23.9' Fresh, hard, close fractured, well foliated feldspar biotite augen gneiss. Core breaks on biotite layers. Foliation is a persistant 20 degree dip.
728.49	23.7	1.84	2	80%	30%		23.9' - 24.9' No recovery 24.9' - 29.7' Fresh, hard, unfractured feldspar biotite gneiss with 20 degree foliation dip. 29.7' - 30' no recovery
723.49	28.7	1.65	3	94%	90%		30' - 38.5' Hard, fresh, feldspar biotite augen gneiss, wide spaced fractures. Occasional finer grained interval.
718.49	33.7					32.9' R-3 33.7'	
713.6	38.5	2.58	4	100%	100%		
NOTES							

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1770801		ID R-3427		COUNTY YADKIN		GEOLOGIST J. STICKNEY						
SITE DESCRIPTION BRIDGE # 30 ON NC 601 AT SOUTH DEEP CREEK							GND WATER					
BORING NO B1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 236+32.000		OFFSET 17.50ft RT		24 HR 3.10ft						
COLLAR ELEV 752.19ft		TOTAL DEPTH 38.50ft		START DATE 9/10/02		COMPLETION DATE 09/10/02						
DRILL MACHINE CME-550			DRILL METHOD NW CAS/NXWL			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 22.00ft			Log B1-B, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
752.19												
750.00	3.90	0	0	0	1.0	0				SS-3	M	0-13.9' ALLUVIAL, VERY LOOSE, MOIST, GREY SILTY FINE SAND
	8.90	0	0	0	1.0	0						
740.00	13.90	4	7	8	1.0	15				SS-4	M	13.9' - 18.9' RESIDUAL MED. DENSE, MOIST BLACK AND WHITE CLAYEY SILTY SAND
	18.90	13	31	69	0.9							18.9' - 22.' WEATHERED ROCK, MICACEOUS CLAYEY SILTY SAND.
730.00												22.0' - 38.5' CRYSTALLINE ROCK
713.69												REFUSAL AT 22.' DEPTH, CONTINUE WITH CORE