

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	BORING LOCATION (STA): 237+15		DRILLER: C.L. SMITH
BORING NO: B2-B	PERSONNEL: CLS, CEB, JKS		OFFSET: 16 RT
COLLAR ELEV: 752.69	DRILL MACHINE: CME-550		CORE SIZE: NXWL
TOTAL DEPTH: 36.35	DRILL EQUIP:		DATE STARTED: 09/09/02
TOTAL RUN: 9.45			DATE COMPLETED: 09/09/02

**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 B2-B	NORTHING 0.00	EASTING 0.00	0 HR 3.10ft
ALIGNMENT -L-	BORING LOCATION 237+15.000	OFFSET 16.00ft RT	24 HR 1.40ft
COLLAR ELEV 752.69ft	TOTAL DEPTH 36.35ft	START DATE 9/09/02	COMPLETION DATE 09/09/02
DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH		DEPTH TO ROCK 26.90ft	

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
725.79	26.9	1.6	1	100%	100%		26.9' - 36.35' Fresh, hard well-foliated moderately close fractured feldspar biotite augen gneiss. Probably a metamorphosed granite
722.89	29.8	1.8	2	94%	94%	30.6 R-4 31.2	
717.89	34.8	1.5	3	100%	100%		
716.34	36.35						
NOTES							

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
752.69														Ground Surface
750.00	5.00	0	0	0	1.0	0					SS-1	M	0-13.4 ALLUVIAL, MOIST, GREY, VERY SOFT FINE SANDY SILTY CLAY	
	10.00	0	0	0	1.0	0								
740.00	15.00	52	48		0.9				100				13.4' -24.2' RESIDUAL WEATHERED ROCK. BLACK AND WHITE MICACEOUS SAND.	
	19.20	87	13		1.0				100					
730.00	24.20	100			0.1				100				24.2-26.9 PENETRATION WITH GREAT DIFFICULTY AFTER SPT REFUSAL. TRI-CONE REFUSAL AT 26.9.	
													26.9-36.35 CORE	
716.34													REFUSAL AT 26.9, CONTINUE WITH CORE TO 36.35	