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 DESCRPTION: Bridge 30 on US 601 at South Deep Creek **DRILLER:** C.L. SMITH
BORING NO: B2-A **BORING LOCATION (STA):** 237+14 **OFFSET:** 18 LT
COLLAR ELEV: 752.93 **PERSONNEL:** CLS, CEB, JKS **CORE SIZE:** NXWL
TOTAL DEPTH: 39.6 **DRILL MACHINE:** CME-550 **DATE STARTED:** 09/10/02
TOTAL RUN: 23.7 **DRILL EQUIP:** **DATE COMPLETED:** 09/10/02

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
737.03	15.9	0.59	1	60.5%	47%		15.9'-17.2' Fresh hard feldspar biotite augen gneiss with consistent 20 degree dip. 17.2' - 18.9' No recovery beyond remnants of a wethered biotite zone.
733.23	19.7	1.09	2	70%	64%		18.9' - 21.7' Fresh hard feldspar biotite augen gneiss with well-developed foliation of 20 degree dip. Mod weathereing right at base. 21.7' - 23.2' no recovery.
728.23	24.7	2.06	3	74%	60%		23.2' - 25.7' Hard fresh close spaced fractured feldspar biotite augen gneiss. 25.7' - 27.3' No recovery
723.23	29.7	1.76	4	94%	80%		27.3' - 29.7' Hard fresh oderately wide spaced fractured feldspar biotite gneiss
718.23 713.33	34.7 39.6	1.53	5	100%	100%	34.7 R-2 35.3	29.7' - 39.6' Light grey hard fresh unfractured feldspar biotite augen gneiss with well-developed 20 degree dip.

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 B2-A	NORTHING 0.00	EASTING 0.00	0 HR 3.20ft
ALIGNMENT -L-	BORING LOCATION 237+14.000	OFFSET 18.00ft LT	24 HR 3.00ft
COLLAR ELEV 752.93ft	TOTAL DEPTH 39.60ft	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 15.90ft		Log B2-A, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	BLOW CT 6in	BLOW CT 6in	PEN (ft)	BLOWS PER FOOT (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
752.93						Ground Surface				
750.00	4.80	0	0	0	1.0	0				0-9.8, ALLUVIAL, MOIST, VERY SOFT, FINE SANDY SILTY CLAY
740.00	9.80	2	2		1.0	4	SS-2	M		9.8 - 12.8 ALLUVIAL LOOSE, MOIST SILTY SAND WITH GRAVEL.
	14.80	100			0.3	100				12.8-15.9 RESIDUAL WEATHERED ROCK, PENETRATION WITH DIFFICULTY, REFUSAL AT BASE.
730.00										15.9 - 39.6 ROCK, CRYSTALLINE ROCK.
713.33						REFUSAL AT 15.9, CONTINUED WITH CORE TO 39.6				