Sheet 6

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1601401	ID B-3157	COUNTY DAVIDSON	GEOLOGIST J.K. STICKNEY
SITE DESCRIPTION BRIDGES 74 & 76 ON I-85 BUS. OVER SR 1242 & MICHAEL CREEK			GND WATER
BORING NO EB1-A	NORTHING 0.00	EASTING 0.00	0 HR 3.30ft
ALIGNMENT L	BORING LOCATION 28+44.000	OFFSET 40.00ft LT	24 HR 3.30ft
COLLAR ELEV 718.50ft	TOTAL DEPTH 38.95ft	START DATE 11/07/02	COMPLETION DATE 11/08/02
DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 19.30ft		Log EB1-A, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	6in	6in	PEN (ft)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
718.50						Ground Surface				
	4.30	0	1	1	1.0	2		M		(ROADWAY FILL) RED-BRN SOFT MIC. SILTY F. SANDY CLAY
710.00	9.30	41	40	37	1.0	77	SS-4	M		(RESIDUAL) PINK-TAN-WHITE V. DENSE MIC. SILTY CSE. SAND
	14.30	100			0.3	100		M		WEATHERED ROCK (PINK-TAN-BLACK-WHITE V. DENSE CLAYEY SILTY CSE. SAND)
700.00	19.30	100			0.1	100				CRYSTALLINE ROCK
	24.30	100			0.1	100	CORE1	M		WHITE-GRAY MOD. WEATH. MOD. HARD TO HARD GRANITE REC=100% RQD=48%
690.00							CORE2			AS ABOVE TO 31.1, THEN GRAY FRESH V. HARD GRANITE REC=80% RQD=60%
							CORE3			GRAY & PINK V. SLI. WEATH. TO FRESH V. HARD GRANITE TO 37.0 THEN GRAY FRESH V. HARD GRANITE REC=100% RQD=38%
679.55						TERMINATED BORING AT ELEV. 679.55 IN GRAY FRESH V. HARD GRANITE				

SHEET OF

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

PROJECT NO: 8.1601401 **PROJECT ID:** B-3157 **COUNTY:** DAVIDSON **GEOLOGIST:** J.K. STICKNEY
SITE DESCRIPTION: BRIDGES 74 & 76 ON I-85 BUS. OVER SR 1242 & MICHAEL CREEK **DRILLER:** C.L. SMITH
BORING NO: EB1-A **BORING LOCATION (STA):** 28+44 -L- **OFFSET:** 40.0 LT.
COLLAR ELEV: 718.50 **PERSONNEL:** C.E. BURRIS **CORE SIZE:** NXWL
TOTAL DEPTH: 38.95 **DRILL MACHINE:** CME-550 **DATE STARTED:** 11/7/02
TOTAL RUN: 13.35 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 11/8/02

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
692.90	25.60		1	100	48		WHITE-GRAY MOD. WEATH. MOD. HARD TO HARD GRANITE W/ V. CLOSE TO CLOSE FRACTURE SPACING
689.40	29.10		2	80	60		AS ABOVE TO 31.10, THEN GRAY FRESH V. HARD GRANITE W/ MOD. CLOSE FRACTURE SPACING
684.40	34.10		3	100	38		GRAY & PINK V. SLI. WEATH. TO FRESH V. HARD GRANITE W/ CLOSE FRACTURE SPACING TO 37.0, THEN GRAY FRESH V. HARD GRANITE W/ NO FRACTURES TO END OF RUN
679.55	38.95						

NOTES