Sheet 7

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-C	NORTHING 0.00	EASTING 0.00	0 HR 3.60ft
ALIGNMENT L	BORING LOCATION 28+45.500	OFFSET 4.00ft RT	24 HR 4.00ft
COLLAR ELEV 718.82ft	TOTAL DEPTH 42.50ft	START DATE 11/07/02	COMPLETION DATE 11/07/02
DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 28.00ft		Log EB1-C, 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
718.82						Ground Surface				
	4.60	0	0	1	1.0	1	SS-1	M		(ROADWAY FILL) RED-BRN V. SOFT MIC. SILTY F. SANDY CLAY
710.00	9.60	20	28	22	1.0	50	SS-2	M		(RESIDUAL) ORANGE-BLACK-WHITE V. DENSE MIC. CSE. SAND
	14.60	22	69	31	0.7	100	SS-3	M		WEATHERED ROCK (PINK-TAN-WHITE-BLACK V. DENSE CLAYEY SILTY CSE. SAND)
700.00	19.60	100			0.1	100		M		CRYSTALLINE ROCK
	24.60	100			0.2	100		M		WEATHERED ROCK (SEV. WEATH. GRANITE)
690.00							CORE1			GRAY V. SLI. WEATH. V. HARD GRANITE REC=100% RQD=93%
							CORE2			GRAY FRESH V. HARD GRANITE (SLI. WEATH. HARD 31.5-32.8) REC=88% RQD=42%
							RS-2 CORE3			GRAY FRESH V. HARD GRANITE W/ PINK-WHITE SLI. WEATH. MOD. HARD RHYOLITE SEAM 38.0-39.2 REC=85% RQD=38%
680.00							CORE4			GRAY FRESH V. HARD GRANITE REC=96% RQD=81%
676.32						TERMINATED BORNG AT ELEV. 676.32 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-C **BORING LOCATION (STA):** 28+45.5 -L- **OFFSET:** 4.0 RT.
COLLAR ELEV: 718.82 **PERSONNEL:** C.E. BURRIS **CORE SIZE:** NXWL
TOTAL DEPTH: 42.50 **DRILL MACHINE:** CME-550 **DATE STARTED:** 11/7/02
TOTAL RUN: 14.50 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 11/7/02

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
690.82	28.00		1	100	93		GRAY V. SLI. WEATH. V. HARD GRANITE W/ CLOSE FRACTURE SPACING
689.32	29.50		2	88	42	RS-2 (34.0-34.5)	GRAY FRESH V. HARD GRANITE W/ CLOSE FRACTURE SPACING EXCEPT FOR SLI. WEATH. & HARD BETWEEN 31.5-32.8
684.32	34.50		3	85	38		GRAY FRESH V. HARD GRANITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING EXCEPT FOR PINK-WHITE SLI. WEATH. MOD. HARD RHYOLITE SEAM W/ V. CLOSE FRACTURES FROM 38.0-39.2
679.32	39.50		4	96	81		GRAY FRESH V. HARD GRANITE W/ CLOSE TO MOD. CLOSE FRACTURE SPACING
676.32	42.50						

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