

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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR 8.10ft							
ALIGNMENT L		BORING LOCATION 29+83.100		OFFSET 75.00ft LT		24 HR N/A							
COLLAR ELEV 723.30ft		TOTAL DEPTH 39.60ft		START DATE 11/13/02		COMPLETION DATE 11/03/02							
DRILL MACHINE CME-550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 39.60ft			Log EB2-A, 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				100
723.30													Ground Surface
720.00	3.80	3	5	5	1.0							SS-4A	(ROADWAY FILL) RED-BRN SOFT MIC. HIGHLY PLASTIC (PI=30) SILTY F. SANDY CLAY W/ GRAVEL
	8.80	2	4	6	1.0							SS-5	(RESIDUAL) TAN-ORANGE STIFF HIGHLY PLASTIC (PI=26) SILTY SANDY CLAY
710.00	13.80	3	7	9	1.0								TAN-ORANGE-BLACK-WHITE LOOSE TO V. DENSE MIC. SILTY CSE. & F. SAND
	18.80	4	13	17	1.0							M/W	
700.00	23.80	9	26	30	1.0							SAT	
	28.80	9	22	47	1.0							SAT	
690.00	33.80	29	45	50	1.0							SAT	
	38.80	36	64		0.8							SAT	
683.70													WEATHERED ROCK (SEV. WEATH. GRANITE)
													AUGER REFUSAL AT ELEV. 683.70 ON HARD ROCK

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SITE DESCRIPTION BRIDGES 74 & 76 ON I-85 BUS. OVER SR 1242 & MICHAEL CREEK							GND WATER						
BORING NO EB2-C		NORTHING 0.00		EASTING 0.00		0 HR 7.40ft							
ALIGNMENT L		BORING LOCATION 29+62.500		OFFSET 7.20ft LT		24 HR 10.80ft							
COLLAR ELEV 727.79ft		TOTAL DEPTH 46.90ft		START DATE 11/13/02		COMPLETION DATE 11/03/02							
DRILL MACHINE CME-550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 46.90ft			Log EB2-C, 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				100
727.79													Ground Surface
	4.10	0	1	1	1.0							SS-6	(ROADWAY FILL) RED-BRN TO GRAY-BRN V. SOFT TO STIFF MIC. HIGHLY PLASTIC (PI=30-33) SILTY F. SANDY CLAY
720.00	9.10	3	4	6	1.0							SS-7	
	14.10	1	3	4	1.0							SS-8	
710.00	19.10	2	7	7	1.0							M	(RESIDUAL) TAN-ORANGE-BLACK-WHITE TO BLACK-WHITE LOOSE TO DENSE MIC. SILTY F. TO CSE. SAND
	24.10	2	11	20	1.0							M/W	
700.00	29.10	7	15	18	1.0							M/W	
	34.10	11	15	16	1.0							SAT	
690.00	39.10	10	46	54	0.7								
	44.10	100			0.4								WEATHERED ROCK (SEV. WEATH. GRANITE)
680.89													WEATHERED ROCK (SEV. WEATH. GRANITE)
													AUGER REFUSAL AT ELEV. 680.89 ON HARD ROCK