

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.2360601		ID. B-4515		COUNTY FRANKLIN		GEOLOGIST J.L. LOVE										
SITE DESCRIPTION BRIDGE NO. 40 ON -L- (SR 1235, DYKING RD.) OVER BEAR SWAMP CREEK							GROUND WATER									
BORING NO. B2-A		BORING LOCATION 15+62		OFFSET 14' LT		ALIGNMENT -L-										
COLLAR ELEVATION 209.4'		NORTHING 868203		EASTING 2201229		0 HR. N/A										
TOTAL DEPTH 33.0'		DRILL MACHINE CME-750		DRILL METHOD H.S. AUGERS		HAMMER TYPE MANUAL										
START DATE 10/28/03		COMPLETION DATE 10/28/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 17.8'										
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION			
		0.5	0.5	0.5		0	25	50	75	100						
209.4	3.0	1	2	1	1.0	X 3										ROADWAY EMBANKMENT, BROWN, SILTY SAND, WITH SOME WEATHERED ROCK FRAGMENTS
205.0																
200.0	8.0	2	2	1	1.0	X 3										
	10.5	3	3	3	1.0	X 6										
	13.0	1	2	3	1.0	X 5										
195.0	15.5	1	1	1	1.0	X 2										
190.0																
185.0																
180.0																
175.0																
170.0																
165.0																
160.0																
155.0																
150.0																
145.0																
140.0																
135.0																
130.0																

CORE BORING REPORT									
PROJECT: 8.2360601		ID: B-4515		COUNTY: Franklin		BORING NO: B2-A			
DESCRIPTION: Bridge No. 40 on -L- (SR 1235) over Bear Swamp Creek									
LOCATION OF BORING: -L- 15+62, 14' LT						COMPLETION DATE: 10/28/03			
COLLAR or GROUND ELEVATION: 209.4 ft				CORE SIZE: NWD4		GEOLOGIST: J. L. Love			
CORE EQUIPMENT: CME-750, NW-Casing, NWD4						DRILLER: Earl Moseley			
ELEV (ft)	DEPTH (ft)	DRILL RATE (min/ft)	RUN (ft)	REC (ft) (%)	RQD (ft) (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS		
191.4	18.0	2:15 2:45 2:40 3:02	5.0	4.7 (94%)	4.4 (88%)		Gray, fresh, very hard, wide fractured granite. Weathered seam washed out from 21.9' to 22.2'. One 50 degree fracture at 21.5', iron-stained.		
186.4	23.0	2:57							
186.4	23.0	3:10 2:45 3:03 2:29	5.0	5.0 (100%)	5.0 (100%)	RS-1 23.2-23.9	Gray to pink-gray, fresh, very hard, wide fractured granite. Pegmatitic from 23.9 to 24.8'.		
181.4	28.0	2:56							
181.4	28.0	2:37 3:48 3:02 3:11	5.0	5.0 (100%)	5.0 (100%)	RS-2 29.4-30.0	Gray, fresh, very hard, wide fractured granite with feldspar-rich zones at 28.0 to 28.5' and 31.4 to 32.0'.		
176.4	33.0	3:37					AVG. REC=98% AVG. RQD=96%		
COREING TERMINATED AT ELEVATION 176.4 FEET IN CRYSTALLINE ROCK (GRANITE)									
BOREHOLE TERMINATED AT ELEVATION OF 176.4 FEET, IN ROCK.									