



N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 1 OF 2

PROJECT NO. 8.1631801		ID. R-2911A		COUNTY Iredell		GEOLOGIST G. Licayan								
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)						GROUND WATER (m)								
BORING NO. B2-A LT		BORING LOCATION 39+69.8		OFFSET 13.0m LT		ALIGNMENT -L-								
COLLAR ELEV. 256.10 m		NORTHING 223641.58		EASTING 447338.18		0 HR. NM								
TOTAL DEPTH 26.95 m		DRILL MACHINE CME 55		DRILL METHOD Wash Rotary/Fishtail/HQ Core		HAMMER TYPE 63.5 kg Manual								
DATE STARTED 1/2/03		COMPLETED 1/2/03		SURFACE WATER DEPTH NA										
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80					100
256.10														256.10 0.00
255.80	0.30	3	5	6									M	RESIDUAL: Medium Stiff to Stiff Black, Tan, and Red Clayey Coarse to Fine Sandy SILT with Some Mica
255.03	1.07	3	4	6									M	
254.27	1.83	2	5	5									M	
253.51	2.59	2	6	7									M	
251.98	4.12	2	3	4									M	
250.46	5.64	3	4	4									M	
248.94	7.16	2	2	4									M	
247.41	8.69	2	3	5									M	
245.89	10.21	3	5	7									M	
244.37	11.73	3	4	8									M	
242.84	13.26	5	10	14									W	243.10 13.00 Medium Dense to Dense Black, Tan, and Red Silty Coarse to Fine SAND with Some Mica
241.32	14.78	8	13	18									W	
239.79	16.31	30	50	50/8									W	239.79 16.31 WEATHERED ROCK: White, Black, and Tan Biotite Gneiss
238.27	17.83	9	52	48/5									W	239.41 16.69 WEATHERED ROCK: White, Brown, and Grey; Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing

N.C.D.O.T. BORE SINGLE 07102019.GPJ NC_DOT.GDT 1/16/03



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BORING LOG

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SHEET 2 OF 2

PROJECT NO. 8.1631801		ID. R-2911A		COUNTY Iredell		GEOLOGIST G. Licayan								
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)						GROUND WATER (m)								
BORING NO. B2-A LT		BORING LOCATION 39+69.8		OFFSET 13.0m LT		ALIGNMENT -L-								
COLLAR ELEV. 256.10 m		NORTHING 223641.58		EASTING 447338.18		0 HR. NM								
TOTAL DEPTH 26.95 m		DRILL MACHINE CME 55		DRILL METHOD Wash Rotary/Fishtail/HQ Core		HAMMER TYPE 63.5 kg Manual								
DATE STARTED 1/2/03		COMPLETED 1/2/03		SURFACE WATER DEPTH NA										
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80					100
237.10														Continued from previous page
236.75	19.35												W	WEATHERED ROCK: White, Brown, and Grey; Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing
235.23	20.87												W	
233.71	22.39												W	234.62 21.48 234.22 21.88 WEATHERED ROCK: White, Brown, and Grey; Severely Weathered; Medium Hard Biotite Gneiss with Moderately Close Fracture Spacing
232.19	23.91												W	232.14 23.96 WEATHERED ROCK: White, Grey, and Brown; Severely Weathered; Soft to Very Soft Biotite Gneiss with Very Close to Close Fracture Spacing and with Abundant Muscovite
													W	229.15 26.95 CRYSTALLINE ROCK: White and Dark Grey, Moderately to Slightly Weathered, Moderately Hard to Hard Biotite Gneiss with Very Close to Close Fracture Spacing
														Coring Terminated at Elevation 229.15m in Crystalline Rock: Biotite Gneiss

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Avg. drilling fluid density=±1.04 grams per cu cm
Tap water alone used as drilling fluid