N.C.D.O.T. GEOTECHNICAL UNIT
CORE BORING REPORT

SHEET 1 OF 1

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-B RT	**BORING LOCATION** 39+74.3	**OFFSET** 13.0m RT	**ALIGNMENT** -L-	**0 HR.** 3.20
COLLAR ELEV. 256.11 m	**NORTHING** 223615.16	**EASTING** 447337.40		**24 HR.** 6.52
TOTAL DEPTH 28.82 m	**DRILL MACHINE** Mobile B-57	**DRILL METHOD** Wash Rotary/Fishtail/HQ Core	**HAMMER TYPE** 63.5 kg Manual	
DATE STARTED 12/18/02	**COMPLETED** 12/23/02	**SURFACE WATER DEPTH** NA		
CORE SIZE HQ	**TOTAL RUN** 9.47 m	**DRILLER** B. Shull		

ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	RUN REC. (m) %	RUN RQD (m) %	SAMP. NO.	STRATA REC. (m) %	STRATA RQD (m) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 18.18 m
237.93	18.18	1.52	2:00 2:00 2:40 1:20 1:50	(100% 1.52)	(NA)		(70% 4.47)	(NA)		237.93 WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Very Soft Biotite Gneiss with Very Close to Close Fracture Spacing 18.18
236.41	19.70		*N=100/20*							
236.21	19.90	1.32	0:40/0.10 1:40 1:50 1:40	(100% 1.32)	(NA)					
234.89	21.22		2:25 *N=100/40*							
234.49	21.62	1.12	0:35/0.2 1:30 1:45 2:00	(24% 0.27)	(NA)					
233.37	22.74		*N=100/20*							
233.17	22.94	1.32	0:30/0.1 0:55 1:40 1:55	(53% 0.70)	(NA)					
231.85	24.26		2:00 *N=100/10*							
231.60	24.51	1.27	0:25/0.05 2:10 2:15 3:10	(68% 0.86)	(NA)					
230.33	25.78		3:35 *N=50/7*				(85% 1.40)	(NA)		230.53 25.58
230.26	25.85	1.45	2:10/0.23 2:50 3:40 3:00	(83% 1.20)	(NA)					WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Medium Hard Biotite Gneiss with Very Close to Close Fracture Spacing Low angle jts @ 0° to 10° 3 jts @ 60° with light iron staining 2 jts @ 80° to 90° with light to moderate iron staining
228.81	27.30		3:00 *N=50/5*							228.76 27.35
228.76	27.35	1.47	4:00/0.25 4:30 4:00 4:00	(100% 1.47)	(74% 1.09)	RS-4	(100% 1.47)	(74% 1.09)		CRYSTALLINE ROCK: Brown, White, and Grey; Moderately Weathered; Medium Hard to Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing Some iron staining of feldspars Majority of jts @ 20° to 30°
227.29	28.82		5:00							227.29 28.82 3 jts @ 45° Coring Terminated at Elevation 227.29m in Crystalline Rock: Biotite Gneiss

NCDOT CORE SINGLE 07102019.GPJ NC_DOT.GDT 1/16/03