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-A LT	BORING LOCATION 39+69.8	OFFSET 13.0m LT ALIGNMENT -L-	0 HR. NM
COLLAR ELEV. 256.10 m	NORTHING 223641.58	EASTING 447338.18	24 HR. 5.49
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	
CORE SIZE HQ	TOTAL RUN 9.62 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 @ 16.69 m
239.41	16.69	1.14	1:15/0.23 1:15 1:30 2:30	(0% 0.00)	(NA)		(39% 1.67)	(NA)		239.41 WEATHERED ROCK: White, Brown, and Grey; Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing 16.69 Majority of jts @ 10° to 20° 5 jts @ 45° parallel to foliation
238.27	17.83		N=100/20							
237.92	18.18	1.17	1:10/0.26 1:40 1:00 0:50	(22% 0.26)	(NA)					
236.75	19.35		N=100/13							
236.62	19.48	1.39	1:00/0.17 2:15 2:35 2:00 1:50	(91% 1.26)	(NA)					
235.23	20.87		N=50/6							
235.17	20.93	1.46	1:10/0.24 1:40 2:50 2:30 2:20	(48% 0.70)	(NA)	RS-2	(100% 0.40) (50% 0.99)	(NA) (NA)		234.62 21.48 234.22 WEATHERED ROCK: White, Brown, and Grey; Severely Weathered; Medium Hard Biotite Gneiss with Moderately Close Fracture Spacing 21.88 All intact 1 jt @ 30° at 21.48m 1 jt @ 60° at 21.88m parallel to foliation
233.71	22.39		N=50/5							
233.66	22.44	1.47	2:00/0.25 1:30 1:20 2:10 3:00	(57% 0.84)	(NA)					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
232.19	23.91		N=50/5							232.14 23.96
232.14	23.96	1.47	2:15/0.25 2:30 2:45 2:25 3:05	(100% 1.47)	(42% 0.62)		(100% 2.99)	(59% 1.77)		Majority of jts @ 45° to 55° parallel to foliation CRYSTALLINE ROCK: White and Dark Grey, Moderately to Slightly Weathered, Moderately Hard to Hard Biotite Gneiss with Very Close to Close Fracture Spacing Majority of jts @ 40° to 50° parallel to foliation Isolated lower angle jts Soft 25.00m to 25.15m and 25.78m to 25.93m Quartz seam 26.89 to 26.95m
230.67	25.43	1.52	3:00 2:25 2:35 2:45 3:05	(100% 1.52)	(76% 1.15)					229.15 26.95 Coring Terminated at Elevation 229.15m in Crystalline Rock: Biotite Gneiss
229.15	26.95									

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