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-B LT	**BORING LOCATION** 39+71.1	**OFFSET** 5.4m LT	**ALIGNMENT** -L-	**0 HR.** NM
COLLAR ELEV. 256.09 m	**NORTHING** 223633.82	**EASTING** 447337.94	**24 HR.** 5.64
TOTAL DEPTH 28.47 m	**DRILL MACHINE** CME 55	**DRILL METHOD** Wash Rotary/Fishtail/HQ Core	**HAMMER TYPE** 63.5 kg Manual
DATE STARTED 12/31/02	**COMPLETED** 12/31/02	**SURFACE WATER DEPTH** NA	

ELEV. (m)	DEPTH (m)	BLOW COUNT 15cm	15cm	15cm	BLOWS PER 30 CM 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
256.09									256.09 0.00
255.79	0.30						M		RESIDUAL: Stiff to Very Stiff Black, Tan, Orange, and Red Clayey Coarse to Fine Sandy SILT with Some Mica
255.02	1.07	3	5	6	11		M		
254.26	1.83	3	5	7	12		M		
253.50	2.59	3	6	8	14		M		
251.97	4.12	3	5	6	11		M		
250.45	5.64	4	5	8	13		M		
248.93	7.16	2	4	8	12		M		
247.40	8.69	3	5	8	13		M		
245.88	10.21	4	6	8	14		M		
244.36	11.73	5	8	11	19		W		
242.83	13.26	4	6	9	15		W		
241.31	14.78	3	5	10	15		W		
239.78	16.31	10	18	21	39		W		241.59 14.50 Dense to Very Dense Black, Orange, and Red Silty Coarse to Fine SAND with Some Mica
238.26	17.83	30	45	54	99		W		239.33 16.76 WEATHERED ROCK: White, Black, and Tan Biotite Gneiss
		32	60	40/5	100/20		W		237.91 18.18

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BORING LOG

Sheet 20 of 48

SHEET 2 OF 2

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SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)			**GROUND WATER (m)**
BORING NO. B2-B LT	**BORING LOCATION** 39+71.1	**OFFSET** 5.4m LT	**ALIGNMENT** -L-	**0 HR.** NM
COLLAR ELEV. 256.09 m	**NORTHING** 223633.82	**EASTING** 447337.94	**24 HR.** 5.64
TOTAL DEPTH 28.47 m	**DRILL MACHINE** CME 55	**DRILL METHOD** Wash Rotary/Fishtail/HQ Core	**HAMMER TYPE** 63.5 kg Manual
DATE STARTED 12/31/02	**COMPLETED** 12/31/02	**SURFACE WATER DEPTH** NA	

ELEV. (m)	DEPTH (m)	BLOW COUNT 15cm	15cm	15cm	BLOWS PER 30 CM 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
237.09					Continued from previous page				
236.74	19.35	90	10/3		100/18				WEATHERED ROCK: Grey, White, and Brown; Severely Weathered; Very Soft Biotite Gneiss with Very Close to Close Fracture Spacing
235.22	20.87	50	50/3		100/18				234.84 21.25 WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Medium to Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing
233.70	22.39	50/5			50/5				
229.68	26.41								CRYSTALLINE ROCK: Brown, White, and Dark Grey; Slightly to Moderately Weathered; Moderately Hard to Hard Biotite Gneiss with Very Close to Close Fracture Spacing
227.62	28.47								Coring Terminated at Elevation 227.62m in Crystalline Rock: Biotite Gneiss

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

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