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

SHEET 1 OF 1

PROJECT NO. 8.1631801	ID. R-2911A	COUNTY Iredell	GEOLOGIST H. Hodgman
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)			GROUND WATER (m)
BORING NO. EB1-B LT	BORING LOCATION 39+14.6	OFFSET 3.4m LT	ALIGNMENT -L-	0 HR. NM
COLLAR ELEV. 259.83 m	NORTHING 223643.19	EASTING 447282.14		24 HR. 10.49
TOTAL DEPTH 17.84 m	DRILL MACHINE Mobile B-57	DRILL METHOD Wash Rotary	HAMMER TYPE 63.5 kg Manual	
DATE STARTED 11/21/02	COMPLETED 11/22/02	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
259.83									259.83 — 0.00
259.53	0.30								RESIDUAL: Stiff to Very Stiff Tan and Red Silty Coarse to Fine Sandy CLAY with a Trace of Root Fragments
		5	6	6	12	SS-2	34.8%		
258.76	1.07								
		4	9	10	19		W		
258.00	1.83								
		4	6	9	15		W		
257.24	2.59								257.43 — 2.40
		3	6	8	14		W		Stiff to Very Stiff Black, White, Red, and Tan Clayey Coarse to Fine Sandy SILT
									Natural Moisture at 10.21m = 53.8%
255.72	4.11								
		3	6	9	15		W		
254.19	5.64								
		6	8	10	18		W		
252.67	7.16								
		4	6	8	14		S		
251.14	8.69								
		4	6	7	13		S		
249.62	10.21								
		5	7	9	16	SS-3			
248.10	11.73								
		7	12	15	27		S		
246.58	13.25								
		5	8	13	21		S		
245.05	14.78								245.83 — 14.00
		69	31/2		100/17				WEATHERED ROCK: Tan, White, and Black Biotite Gneiss
243.52	16.31								
		50/5			50/5				
242.00	17.83								241.99 — 17.84
		50/1			50/1				Boring Terminated with SPT Refusal at Elevation 241.99m on Crystalline Rock: Biotite Gneiss

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

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

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

SHEET 1 OF 2

PROJECT NO. 8.1631801	ID. R-2911A	COUNTY Iredell	GEOLOGIST H. Hodgman/G. Licayan
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)			GROUND WATER (m)
BORING NO. B1-A LT	BORING LOCATION 39+49.9	OFFSET 13.0m LT	ALIGNMENT -L-	0 HR. 6.10
COLLAR ELEV. 257.34 m	NORTHING 223645.53	EASTING 447318.65		24 HR. 7.33
TOTAL DEPTH 24.81 m	DRILL MACHINE Mobile B-57	DRILL METHOD Wash Rotary/HQ Core	HAMMER TYPE 63.5 kg Manual	
DATE STARTED 11/25/02	COMPLETED 12/3/02	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
257.34									257.34 — 0.00
257.04	0.30								RESIDUAL: Stiff Black, Tan, and Red Clayey Coarse to Fine Sandy SILT with a Trace of Rootlets
		4	4	5	9		M		
256.27	1.07								
		3	4	5	9	SS-4	38.0%		255.74 — 1.60
255.51	1.83								Loose to Very Dense Black, Grey, Tan, and Red Clayey Silty Coarse to Fine SAND
		3	4	4	8		W		
254.75	2.59								
		5	6	7	13		W		
253.23	4.11								
		3	4	6	10		W		
251.70	5.64								
		3	4	5	9				
250.18	7.16						W		
		3	5	7	12				
248.65	8.69								
		4	6	8	14		M		
247.13	10.21								
		3	5	7	12		W		
245.61	11.73								
		6	8	9	17		W		
244.08	13.26								
		15	23	28	51	SS-5	M		
242.56	14.78								
		21	24	29	53		M		
241.03	16.31								241.14 — 16.20
		65	35/5		100/20				240.83 — 16.51 WEATHERED ROCK: White, Brown, and Black Biotite Gneiss
240.13	17.21								WEATHERED ROCK: White, Brown, and Black; Severely Weathered; Very Soft Biotite Gneiss with Very Close Fracture Spacing
		50/5			50/5				239.44 — 17.90
238.61	18.73				100/23				WEATHERED ROCK: Brown, White, and Black; Severely Weathered; Soft Biotite Gneiss with Close Fracture Spacing

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