

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

PROJECT NO. 8.2721501 ID. B-3808							CO	UNT	Y Aver	y :			GEOLOGIST D	eaver					
SITE D	ESCRI	PTION	Bridge	e No. 58	3 Over	r Hens	on Cr	eek c	n SR1	126 (Hen	son (Creek R	oad)				GROUND WA	TER (ff
													SET 13			ALIGN	MENT -L-	0 HR.	NM
BORING NO. EB2-A BORING LOCATION 17+27 COLLAR ELEV. 3177.5 ft NORTHING 847043.78							-		TING 1		0 22		· · · · · · · · · · · · · · · · · · ·	24 HR.	3.0				
				 						T							7		
OTAL	DEPTI	H 28.6	ft	DRILL	_ MAC	HINE	Mol	bile B	-57	DR			HOD V			<u> </u>	<u> </u>	MER TYPE 140 I	b. Man
ATE S	START	ED 12	2/23/03			COM	PLET	ED	12/23/	03		SURI	FACE V	ATE	R DE	PTH NA	<u> </u>		
ELEV.	DEPTH	BL	ow co	UNT					ER FO				SAMP.	V /	6		SOIL AND ROC	K DESCRIPTION	
(ft)	(ft)	0.5ft	0.5ft	0.5ft	P	20		40	60	8	0	100	NO.	МО					
											· ·					. .			
177.5 176.5	- 1.0	<u> </u>	 		<u> </u>	$\overline{}$							-			3,177.5	ROADWAY EMBANK	MENT FILL: Mediur	n
1	-	30	13	7]::	•2	9			• • •	• • •		SS-6		H	-3,174.5	Dense, Brown, Claves		
174.0	3.5	4	3	9	::						• • •			М	-83		ROADWAY EMBANK		
171.5	- 6.0						···			• •				١		F	Dense to Dense, Brow Coarse to Fine SAND		
169.0	- - 8.5	11	16	31		• • •	: : :	. 4	7				SS-7	M		- 460 0	*Note: Blow count at	7 0 feet influenced h	.,
109.0	<u> </u>	60/0.1									60	0/0.1				3,168.9 3,167.9	CRYSTALLINE ROCK	: Light to Dark Grey	<u>y</u>
<u>†</u>	•	1				• • •		: : :		::						Ł	with White, Slightly W Moderately Foliated B	eathered, Hard, iotite Gneiss with Ve	r
163.9	13.6															-	Close to Close Fractu WEATHERED ROCK	re Spacing	
+		70	30/0.1							• •	100	0,0.6 ∳		l		3,162.4	Severely Weathered,	Soft, Biotite Gneiss v	with
#	•									• •				ł	77	F	Very Close to Close F CRYSTALLINE ROCK	racture Spacing C: Brown and Grev v	vith
- 1	•				: :					• •			RS-2			<u> </u>	White, Moderately to \$	Slightly Weathered,	
Ŧ	•				: :	• • •									//		Moderately Hard to Hi Biotite-Mica Gneiss w	ard, Moderately Folia ith Very Close to Clo	se
‡								· · ·								F	Fracture Spacing		
	-														/ //	- - 3,153,4			
+	•									• • •	• • •				77	-	CRYSTALLINE ROCK	: Light and Dark Gre	∋y
Į											· · ·				بريا	Γ	with White, Slightly to Weathered, Hard to V	ery Hard, Well Foliat	ed
‡	•				• •	• • •	<u> </u>			• • •			<u> </u>		[//	3.148.9	Biotite Gneiss with Mo Spacing and with Trac	derately Close Fract	ure j
<u> </u>	•			·												_	Coring Terminated at	Elevation 3148.9 feet	in
+	•															Ŀ	Crystalline Rock: Biot	ite Gneiss	
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N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

SHEET 17 OF 2

We an	MARK												<u> </u>	SHI	EET 17 OF 2	9					
	ECT NO.					ID. B-38					UNTY Avery	ST D.	D. Goodnight/P. Weaver								
SITE D	ESCRIP	TION	Bridge						126		son Creek Road)	GROUND W	ATER (ft)								
BORIN	IG NO.	EB2-/	4	ВО	RING	LOCATIO	ON 17	'+27			OFFSET 13ft LT	ALIGNI	MENT -L-		0 HR.	NM					
COLLAR ELEV. 3177.5 ft NORTHING 847043.78											EASTING 1099139.2	,	24 HR.	3.0							
TOTAL DEPTH 28.6 ft DRILL MACHINE Mobile B-57 DRILL											METHOD Wash Rotary HAMMER TYPE 140 lb. Manual										
DATE	STARTE	D 1	2/23/03			COMPLE	TED	12/23/	03	_	SURFACE WATER DEPTH NA										
CORE	SIZE H	Q	· ·			TOTAL R					DRILLER B. Shull										
ELEV. DEPTH RUN RAT (Min/				REC. F		SAMP. NO.	STR REC. (ft)	RQD (ft)	LOG		DESCRIPTION AND REMARKS										
											in the second second		Coring @ 8.6								
3,168.9	8.6	5.0	2:42 2:30	(1.5)	(0.0) 0%		(0.8) \80%	(0.0) \ 0%		_3:18 -	CRYSTALLINE ROC Hard, Moderately Fo										
			3:10 1:44	***		7.	(1.3) 26%	(NA)		-	Spacing										
3,163.9			0:26 V=100/0.6				2070		2	- - 3,16	2 jts @ 0° to 10° with 2.4 1 it @ 45° parallel to		staining			15.1					
3,163.3	14.2	4.4	1:07/0.4 1:02	(3.9) 89%	(1.7) 39%	RS-2	(8.8) 98%	(5.4) 60%	7	- <u>- ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	WEATHERED ROCK Gneiss with Very Clo	C: White and	Brown, Seve	rely We	athered, Soft, Bio	tite					
3,158.9	18.6		3:45				98%	60%		_	Almost all of fabric is		•	y							
		5.0	4:19 5:10	(5.0) 100%	(3.7) 74%				<u> </u>	-	CRYSTALLINE ROC	K: Brown a	nd Grey with V	Vhite, M	oderately to Sligh	tly					
			4:59 4:26					1	N	_	Weathered, Moderat with Very Close to C	ose Fracture	e Spacing	ely Folia	ted biotile-ivica c	rieiss					
3,153.9	23.6	5.0	3:51 3:50	(5.0) 100%	(3.9)		(4.5)	(3.0)	$\left(\cdot \right)$	3,15	ייין ואומןטוונץ טו ונט נע בט	to 30° parall	el to foliation w	vith hea	vy iron staining	24.1					
			3:41 3:52	100%	78%		(4.5) 100%	(3.9) 87%		-	Quartz seams from 1 Severely weathered	and soft 17.	5 feet to 17.8 fe	eet and	21.5 feet to 22.2 f	eet					
3,148.9	28.6		3:22 3:22							3,14		lard to Very	Hard, Well Fo	liated B	iotite Gneiss with	<u>28.</u> 6					
			3:39 3:28							-	Moderately Close Fr	acture Spaci	ng and with Tr	aces of	Pyrite						
			<u> </u>							• (,	jits @ 35° to 45° para Moderately severely	llel to foliation	n and soft with ve	erv close	e fracture spacing	from					
			1.4							• ··	25.1 feet to 25.4 feet Moderately weathers			•							
			1 4					* .		-	from 26.5 feet to 26.8 Coring Terminated a	feet									
										-	Coming Terminated a	Lievation	140.9 leet ii C	n younn	ie Rock. Dioute C	110133					
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