

V:UNIT DRY WEIGHT - pcf

Q=UN. COMPRESSION-tsf ERELATIVE DENSITY-%

-PENETROMETER-tsf

3-GRADATION CURVE

= TRIAXIAL CURVE

=CONSOLIDATION CURVE

LIQUID

NATURAL MOISTURE CONTENT

PLASTIC LIMIT

COMPLETION DEPTH: 30.01

RECORD OF WATER LEVEL READINGS

DATE: 9/15 9/16

READING: 14.8' 13.0'

				LOG OF BORING NO. B-2 BRIDGE LAK-608-337													
				LAKE COUNTY, OHIO													
EET	Ş	ES	۶F	TYPE: 2-INCH O.D. SPLIT-BARREL LOCA	TION	J :	_	SI	ГΑ	5	0+8	39 ,	, 9	¹ R			
ОЕРТН, FEET	m m	PLI	SAMPLING EFFORT	NX CORE BARREL													
EPT	¥	A	EF!	ELEV	ATIC	N:				8	80.	1			DAT	E:	9/19/77
0 -	5	97	S	DESCRIPTION	NA'	TUF	RA	L (co	NS	ST	EN	CY	IN	DEX	۲	TEST RESULTS
				ASPHALT - 8 INCHES	Щ	ļį	<u>D</u>	Ц	20)	П	30	Ш	74	φ∏	\perp	
				FILL: VERY-DENSE CINDERS EST. A-1-b	Н	H	₩	+	\mathbb{H}	╀	Н	\mathbb{H}	Ш	╫	╂	+	
		l		STIFF TO VERY-STIFF BROWN MOTTLED	H +	Ħ	Ħ	$\dagger \dagger$	\dagger	H	Н	Н	Ш	$\dagger \dagger$	$\dagger \dagger \dagger$	\forall	
		$\ $		WITH GRAY SILTY CLAY.	П	Ц	П	П	$oxed{\Box}$				П	\prod	Ш		
	IA	Ц	2	EST.A-7-6	₩	Н	H	╫	Н	+	Н	Н	H	H	+++	+	H=1.7-2.2
	'-		² / ₂ / ₃	VERY-STIFF BROWN MOTTLED WITH GRAY SILTY CLAY, LITTLE FINE TO COARSE	H	Ħ	Ħ	Н	+	+	Н	Н	H	╫	+++	\forall	Π=1./-2.2
	IB		' 3	SAND, TRACE FINE GRAVEL, MANY SHALE	\prod	П	\coprod	\Box	П				Ш	Ш	Ш	\perp	H=2.2-3.7
5-				FRAGMENTS.	₩	H	₩	$^{+}$	+	4	Ш	Щ	Щ	#	Ш	4	
		Ш			H	$\dagger\dagger$	H	$\forall \forall$	$^{\rm H}$	+	Н	Н	++	${}^{\dag \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	╫	Н	
			2/			П	П	П					\parallel	$\!$	Ш		
_	2		2/2/3		\mathbb{H}	\prod	${f H}$	\prod	4	•	X	#	\prod	**	\prod	Д	H=2.5-3.7
		П	5		╎	╁	H	╁	╫	+	H	\forall	+	╫	╫	\forall	
		$\ \ $		A-6a		П	Ц	\parallel	Ц		Ш	力		廿		力	
_				VERY-STIFF BROWN MOTTLED WITH GRAY	Щ.	H	H	44	\mathbf{H}	\bot	Щ	\parallel	\coprod	\coprod	Ш	\parallel	
0-		Ц		SILTY CLAY, TRACE FINE SAND TO	++	H	H	H	╫	+	+	+	$\dagger \dagger$	${}^{\rm H}$	$\dagger \dagger \dagger$	\forall	
	_		3/_	FINE GRAVEL.	П	П	П	\prod	\Box	I		П	П	П	Ш		
\dashv	3		3/ _{5/7}	·	++	H	H	H	$\!$	4	*	+	#	#	###	#	►LL=55% H=3.2-3.7
		П	•		++	H	H	╫	+	+	+	H	╫	╫	╫	H	п=3.2-3./
				A-7-6	Ш		П		$\perp \!\!\! \perp$	I		\pm	I	Ц	Ш	Ш	
_					41	$\!$	Н	\prod	\coprod	\perp	\prod	П	\prod	П	Ш	П	
				VERY-HARD BROWN MOTTLED WITH GRAY	₩	₩	Н	╫	╫	+	₩	╫	╫	H	₩	${\sf H}$	
				SILTY CLAY, SIMILAR TO VERY-SOFT SHALE.	$\dagger \dagger$	\coprod	Ħ	$\dagger\dagger$	$\dagger \dagger$	T	$\dagger \dagger$	H	$\dagger \dagger$	$\dagger \dagger$	$\dagger\dagger\dagger$	H	
5-					\prod	Ц	Ц	Ц	П	Д	Ц	Ц	\prod	П	Ш	\Box	
ᅱ	4	H	9/ 15/ 32		+	₩	Ц	H	₩	\mathbb{H}	$+\!\!+\!\!\!+$	\mathbb{H}	₩	₩	HH	$\!$	
	Ť		32		$\dagger \dagger$	H	H	Ħ	$\dagger \dagger$	\forall	$\dagger \dagger$	$\dagger \dagger$	+	Ħ	tt	\forall	· · · · · · · · · · · · · · · · · · ·
\dashv					\prod	П	П	\prod	\prod	\Box	\Box	\prod	\prod	П	Ш	\Box	
-				EST. A-6a	╫	₩	Н	H	₩	+	+	₩	₩	₩	₩	H	
				VERY-SOFT BROWN MOTTLED WITH GRAY	╫	H	H	H	$\dagger \dagger$	$\forall \exists$	╫	H	╁	$\dag \dag$	╫	╫	
				SHALE, SIMILAR TO VERY-HARD CLAYEY	\bot		Ц		\Box		\parallel	\parallel	\parallel	Ш	Ш	Ц	
				SILT	╫	-	H	₩	$\!$	Н	++	H	#	$\!$	₩	Н	
:O-	5	1	22, 80		$\dagger \dagger$	H	H	$\dagger\dagger$	Ħ	\forall	$\dagger\dagger$	$\dagger\dagger$	$\dagger\dagger$	Ħ	H	Ħ	, , , , , , , , , , , , , , , , , , , ,
_			80		\prod	П	П	П	П	\Box	\Box	\coprod	m II	П	Ш	\parallel	
ᅱ		ľ	NXM	SOFT TO MEDIUM-HARD BROWN AND GRAY	╫	H	H	${f H}$	₩	₩	₩	₩	₩	₩	₩	Н	
	6		B2%	SHALE, NEARLY HORIZONTALLY BEDDED, 1/2" TO 3-1/2" LAYERS.	+	\dagger	H	$\dagger \dagger$	$\dagger \dagger$	H	$\dagger\dagger$	$\dagger\dagger$	$\dagger \dagger$	tt	HH	$\dagger \dagger$	
4					\prod	\Box	П	П	П	\prod	\prod	П	П	\prod	Ш	\prod	
\dashv				USED 4-1/2" AUGER, 0.0' TO 21.0'.	++	+	H	╁	╫	H	╫	₩	#	╫	╁┼┼	H	RQD=0%
\Box				USED WATER, 21.0' to 26.0';			Ħ	Ħ	∄	#	$\dagger \dagger$	$\dagger \dagger$	\coprod	$\dagger \dagger$		†	(VERY-POOR)
5-				LOST 25%. SET 21' OF 4" CASING.	Ш		\prod	П	П	П	П	П	П	П	Ш	Ц	
\dashv				OLI ZI OF 4 CASING.	רי	. A:	c T	10								-	WEUNIT DRY WEIGHT - pcf
		-				.IN									UID 11T	- 1-	Q=UN. COMPRESSION-ts
REC	COR	D	O F	WATER LEVEL READINGS		×						•			*	⊢	
DA٦	TE:			9/19 9/20									RAL				H=PENETROMETER-tsf G=GRADATION CURVE
RE/	ADI	NO	3:	10.1'11.0'									UR ENT			-	T= TRIAXIAL CURVE
																⊢	C=CONSOLIDATION CURVI
																	O SUNSVIEW CORVE

				LOG OF BORING NO. B-3														\neg
				BRIDGE LAK-608-337 LAKE COUNTY, OHIO														
ET	è	S	}_	TYPE: 2-INCH O.D. SPLIT-BARREL LOCA	TION	j.		SI	`A	50	+3.	 5,	1	91	R			
DEPTH, FEET	<u> </u>	SAMPLES	FOR	NX CORE BARREL	,,,,,	·· -												
DEPT	SAME	A A	EF	ELEV							6.				DAT			
0 -				DESCRIPTION —	NA.	TUR	AL,	. (10:	151	STE	NC	Y	IN	DE:	X TT	TEST RESULTS	_
				FILL: MEDIUM-DENSE GRAY CINDERS		П	П	H	П	\mathbf{H}	T	П	$\dagger \dagger$	П	+	H	1	l
				(FINE TO COARSE SAND, SOME FINE TO	\prod	\prod	H	П	\prod	\coprod	\prod	П	\prod	П	\prod	\prod		
	1			COARSE GRAVEL, SOME CLAYEY SILT).	Ш	\parallel	\parallel	Ш	${\rm tt}$	Ħ	${\rm ll}$	\parallel	\dagger	H	\coprod	Н		\dashv
		-6 ,			\mathbb{H}	\mathbb{H}	H	H	\prod	\prod	\prod	H	\prod	\prod	\prod	Н		4
	1	9	,	FCT A 7-		Ш		Ħ	\coprod	\Box	\parallel	Ħ	\dagger	${\rm tt}$	Ш	Ш	H=0.5-0.7	
_		2	' 8	EST. A-3a VERY-SOFT GRAY SHALE, SIMILAR TO	\mathbb{H}	$\!$	${\mathbb H}$	H	₩	₩	#	H	\coprod	\coprod	₩	H		
5 -	1		Ì	VERY-HARD CLAYEY SILT.	Ш	П	\dagger	\dagger	\coprod	\coprod	\coprod	\dagger	T	$\dagger \dagger$	\dagger	\prod		
		5			Ш	\coprod	$\!$	H	\coprod	\coprod	\prod	Н	\prod	\coprod	$oxed{\mathbb{H}}$	\coprod		_
	2	7	2, 64		Ш	Ш	廿	Ц	\coprod	Ш	\coprod	Ц	\coprod	廿	Ш	Н	<u> </u>	
	-	N.	64	SOFT TO MEDIUM-HARD GRAY SHALE,	₩	H	$\!$	H	₩	H	${f H}$	Н	₩	₩	H	H		
_		14.	^""	NEARLY HORIZONTALLY BEDDED, FEW	Ш			Ц	\parallel	Ш	\coprod	Ц	Ш	П		Ц		\dashv
				DIAGONAL FRACTURES, (@ 7.5' to	\mathbb{H}	H	$\!$	$\!$	$\!$	\coprod	\coprod	H	$oxed{+}$	H	\coprod	H		
)-	3	9	5%	12.5'), 1/8" TO 25" LAYERS, PARTLY ARENACEOUS, FEW TO MANY FINE SAND-			Ц	Ц	Ш		\coprod	Ш	Ш	Ш	\coprod	Ц		
_			.	STONE AND SILTSTONE SEAMS.	\mathbb{H}	\vdash	H	H	₩	H	\coprod	${\mathbb H}$	H	$oxed{+}$	$oxed{\parallel}$	H	RQD=8%	
				••	Ш			Ц		\coprod	Ш	\Box	\coprod		Ш	Ц	(VERY-POOR)	一
					Ш	Н	\perp	\coprod	\coprod	\coprod	\coprod	\coprod	\coprod	H	\coprod	\prod		_
			ĺ		╫	H	\dagger	Н	╫	╁	╁┼	H	H	╫	H	H	†	
					\prod	П	Ŧ	П	\prod	П	П	П	\prod	П	П	П		
					++	Н	H	H	╁	${\dagger \dagger}$	╫	H	H	H	╫	H		\dashv
5 -	4	9	8		\prod	П	ļ	П	П	П	\prod	П	\parallel	П		П	RQD=98%	
			Ì		++	Н	+	H	╫	H	╁	${\sf H}$	╫	╫	Н	H	(EXCELLENT))
					\prod	П	Ŧ	П	\prod	\prod	\prod	П	П	\prod	П	П		
					Ш.	Ш		Н		\coprod	\coprod	H	\dagger	H	H	H		\dashv
-			Ì		\prod	Ш	\bot	${\mathbb H}$	П	\prod	\prod	\prod	H	П	Ш	П		
				USED 4-1/2" AUGER; 0.0' TO 7.5'.			\pm	Н		H	H	H	H	H	Н	H	İ	
\dashv				USED WATER, 7.5' TO 17.5';	\mathbf{H}	Щ	-	H	H	\prod	\blacksquare	H	H		Щ	Н		
어				LOST 30%. SET 7.5' OF 4" CASING.	\pm	\dagger	\perp	H		\prod		Ħ		\parallel		IT		\dashv
\dashv				SEI 7.5 OF 4" CASING.	\prod	\perp	+	H	\prod	$oxed{\parallel}$	\prod	\mathbb{H}	$oxed{\parallel}$	\coprod	\prod	H		\dashv
コ					\pm		\pm			\Box	\coprod	\pm	\coprod	\coprod		H		ı
4					++	Н	+	+	H	H	H	H	H	H	Н	H		Ţ
					\pm		\pm		土	Ш	\parallel	世	\parallel		Н	\perp		
\dashv				·	+	H	+	H	H	H	\prod	H	H	H	\mathbb{H}	H		4
\exists					\coprod	Ш	\pm	\perp		世	Ш	I			Ш	廿		
	Antie	T101	. ~-	EPTH: 17.5'	ים	. A S	· T 1	_									WEUNIT DRY WEIGHT - PC	
						.AS							L	.IM	JID TII	,	Q=UN. COMPRESSION-ts D=RELATIVE DENSITY-%	
KE!	COR	ע	OF		× ×								H=PENETROMETER-tsf					
DA'	TE:			7/21							NAT 101						G=GRADATION CURVE	\dashv
٩E	ADI	NG:		0.3'							CON						T=TRIAXIAL CURVE	
						C=CONSOLIDATION CUR								Æ				

•	· 	т т		LOG OF BORING NO. B-4 BRIDGE LAK-608-337 LAKE COUNTY, OHIO															
DEPTH, FEET	LE NO.	PLES	EFFORT	TYPE: 2-INCH O.D. SPLIT-BARREL LOCA NX CORE BARREL	ATION:STA 49+77, 17'L														
EPT	₹ B	Σ.	EF.	ELEV	ATIS	2N	:			- {	85	7.	8			D	ATE	:	9/21/77
0 -	us	s	ñ	DESCRIPTION	NA	TU	RA	L	C	ON	SIS	STE	EN C	Y:	11	ND	EX	T	TEST RESULTS
<u> </u>		П		FILL: MEDIUM-DENSE BROWN GRAVEL.	Ш	Γ	•	Т	Γ	•	Т	Γ	•	П	•	•	П	Π	
		П		EST. A-1-b/	Ш	Д	Į	П	П	I	П	П	П	П	\Box	П	П	\prod	
		П		MEDIUM-STIFF GRAY MOTTLED WITH DARK-	₩	H	+	H	₩	╀	H	₩	₩	Н	4	H	H	Н	
		l		GRAY AND BROWN SILTY CLAY, LITTLE FINE TO COARSE SAND, CONTAINS DE-	Н	H	╁	H	╫	+	H	╁┼	╫	Н	+	H	╫	╫	
		Ш		CAVED WOOD		П	1	\dagger	Ħ	t	H	Ħ	11	Ħ	T	T	\dagger	Ħ	
		2	, 3 / ₃		Ш	Ц	Ţ	Ц	П	L	Ц	Ц	Щ	П	Д	\prod	П	П	H=0.5-1.0
	1		5 /-	EST. A-7-6	₩	H	╀	H	₩	╀	H	₩	₩	H	Н	4	Щ.	H	
_			3		₩	╫	+	Н	╫	╁	H	Н	H	H	+	+	Н	Н	
5 -				ZONTALLY BEDDED, SIMILAR TO VERY-		Ħ	T	\top	Ħ	T	Н	Ħ	Ħ	Ħ	Ħ	T	Н	Ħ	
			E	HARD CLAYEY SILT.	Ш	П	I	\blacksquare	П	I	\prod	П	\coprod	П	\Box	$oxed{T}$		\prod	
\dashv	2	ľ	5 / 75		₩	#	+	4	H	4	Н-	H	₩	$\!$	4	\bot	Щ	HГ	H=4.5+
_	` •	Ħ.	75 444	MEDIUM-HARD GRAY SHALE, NEARLY HORI-	HH	╫	+	+	₩	+	+	╫	╫	╫	+	+	\mathbb{H}	╫	
		•	∧ ™	ZONTALLY BEDDED, FEW DIAGONAL FRAC-	Ш	Ħ	T	\dagger	Ħ	T	\dagger	$\dagger\dagger$	#	Ħ	\dagger	\dagger	Н	H	
				TURES, 1/2" TO 12" LAYERS.	П	П	I		П	I		П	\coprod	\prod	ightharpoonup			巾	
					Щ	Н	\bot	4	Н	╀	4	$\!$	\coprod	$\!$	Ц	Ц	Щ	Щ	
	3	٤	7%		╫	₩	╁	+	Н	+	+	₩	₩	╫	${\mathbb H}$	+	Н	Н	RQD=21%
9-				HARD. @ 8.9' TO 17.0', FEW SILTSTONE		Ħ	T	T	Ħ	Ħ	T	Ħ	Ħ	Ħ	Ħ	Ħ	П	H	(VERY-POOR)
				AND FINE SAND-	\prod	П	I	I	П	\Box	I	П	П	П	П	\Box			(VERT 100R)
				STONE STREAKS.	44	$\!$	\bot	1	Н	\mathbf{H}	4	Н	#	Н	4	Щ	Ш	Ц	
ᅦ	-				++	₩	Н	+	₩	Н	+	Н	╫	H	H	+	Н	+	
					+	Ħ	Ħ	+	H	Ħ	+	H	Ħ	H	Ħ	+	\forall	Η	
\Box				•		П	I		Ш	П		\prod	Ħ	П	\coprod	П	\top	1	
		Н.	00	· 	Ш	Ц	П	\perp	Ц	Ц		П	\prod	П	\coprod	П			RQD=65%
ᅱ	4	•	<i>.</i>		#	#	Н	+	#	Н	4	H	Н	H	\coprod	Н	\coprod	4	(FAIR)
5-					₩	H	Н	+	Н	Н	+	Н	₩	Н	₩	₩	╫	+	· · · · · · · · · · · · · · · · · · ·
				•	+	Ħ	Н	+	╁	Ħ	\dagger	H	tt	H	$\forall t$	H	\forall	1	•
_					\prod	П	\prod	I	П	\Box		П	П	П	\coprod	П	\coprod	1	
\dashv			ł		#	H	H	╀	Н	H	4	H	$\!$	H	H	$+\!\!+\!\!\!+$	\mathbb{H}	4	
ᅥ				USED 4-1/2" AUGER, 0.0' TO	╫	H	Н	+	H	Н	╫	Н	₩	Н	₩	╫	${}^{\rm H}$	┥	
		İ		7.0'.	#	H	Ħ	\dagger	H	H	+	H	H	H	╫	$\forall H$	\forall	十	
_		1		USED WATER, 7.0' TO 17.0'.	П	П	П	I		\coprod			\coprod	П	\coprod	\coprod	\blacksquare	1	
\dashv				SET 7' OF 4" CASING.	#	H	Н	Н	Щ	Ц	4	$\!$	4	Ц	Ц	Щ	Ш	1	
어		1			╁	₩	Н	+	Н	H	+	${\mathsf H}$	₩	H	₩	₩	╫	╂	
					$\dagger \dagger$	H	H	Ħ	H	╂	$\dagger \dagger$	\dag	$\dag \uparrow$	H	$\dagger \dagger$	$\dagger \dagger$	H	1	
4				•	\coprod		П			П			Ш	П	П	\coprod	\coprod	1	
\dashv				·	#	Н	Н	$\!$	4	Н	41	4	$\!$	Щ	Н	Щ	\coprod	╀	
\dashv	ĺ				╫	╫	H	╫	+	H	╫	+	H	H	╫	₩	₩	-	
	Ī				#	\dagger	H	$\dagger \dagger$	+	Ħ	$\dagger \dagger$	+	#	$\dag \dag$	╁	$\dagger\dagger$	#	+	
_				Ì	\prod	П	П	П		П	耳	I	П	Ц	Ц	П	\coprod	1	
\dashv		,		}	#	$\!$	H	H	+	H	#	+	H	\mathbb{H}	Ш	Щ	#	4	
5 —					Ш	Ц	Ц	Ш		Ш	ш		Ш	Ц	П	П	11	₩	V:UNIT DRY WEIGHT - pcf
CON	1PLF	TIO	N DI	EPTH: 17.0'	ΡI	_A	ST	10						ı	IQ	UI	D	-	2=UN. COMPRESSION-tsf
						-IN								_	LIN		_	\mathbf{H})=RELATIVE DENSITY-%
450	OR	<u> </u>	-01	WATER LEVEL READINGS	× ×									1	-PENETROMETER-LSF				
DAT	ΓE:			9/21									UR					H-	3=GRADATION CURVE
054	ADII	NG.		1.5'									STL VTE					-	F=TRIAXIAL CURVE

		1	LOG OF BORING NO. B-5 BRIDGE LAK-608-337 LAKE COUNTY, OHIO													
עברוח, רבכו	LE NO.	SAMPLES SAMPLING	TYPE: 2-INCH O.D. SPLIT-BARREL LOCA	TIOI	۷: .	S	TA	1_4	19+	-32	•	5 '	L_			
5	AMP	MAM	ELEV	ATIC	N:				87	78.	6			DAT	: 3	9/20/77
•) -	S	် ရ	DESCRIPTION	NA	TUF	RAL	. (COI	NSI	STE	NC	Y	IN	DEX	(TEST RESULTS
_			ASPHALT - 8"	Ш	ļį	<u>b</u>	Ц	<u>20</u>		Ľ	<u>30</u>	П	40	\prod	П	
			FILL: MEDIUM-DENSE BLACK FINE TO	1#	₩	₩	₩	$+\!$	4	44	₩	₩	₩	Ш	H	<u> </u>
-			COARSE SAND, LITTLE FINE TO COARSE	Н,	H	╂┼	╁╁	╫	+	+	$\dagger \dagger$	╫	H	Н	H	
_			GRAVEL. EST. A-3a	世	П	\coprod	П	$\perp \!\!\! \perp$	Ш	\perp	\pm	\coprod	Ш	Ш	I	·
_		∐.	FILL: VERY-STIFF TO HARD BROWN	Щ	П	П	П	\prod	П	П	\prod	П	\prod	П	Д	
_	1	1/2	MOTTLED WITH GRAY SILTY CLAY, TRACE	₩	H	╂┼	H	╫	\mathbb{H}	╫	₩	₩	₩	Н	H	U-2 2 4 5±
		1/2/3	TO LITTLE FINE TO COARSE SAND, TRACE	!	$\dagger\dagger$	#	H	╫	Н	+	Ħ	╫	${\sf H}$	Н	\dagger	H=2.2-4.5+
		П	FINE GRAVEL (SHALE FRAGMENTS).	Ш	П	П	П	\perp	П	П	П	Ш	П			
-				Ш	\coprod	\coprod	\coprod	#	Щ	4	\coprod	\prod	\prod	Щ	$oldsymbol{\perp}$	
				₩	╫	₩	H	╫	+	╫	₩	╫	╫	Ш	${\mathbb H}$	
	2	1/2/4		Ш	$\dagger \dagger$	\coprod	Ħ	╁		#	#	#	#	X	\dagger	j .
		4		Ш	П	${f \Pi}$	П	\prod	Ц	\prod	\prod	\coprod	П	П	П	H=2.2-2.5
4				₩	${\sf H}$	₩	Н	╫	+	+	╫	H	╫	Н	+	
				Ht	$\dagger \dagger$	tt	H	$\dagger \dagger$	$\dagger \dagger$	H	H	$\dagger \dagger$	$\dag \dag$	Ш	\dagger	
				Ш	П	П	П	\perp	\Box	\Box	\prod	П	П	Ш		
-		1 5	·	₩	₩	₩	₩	#	\mathbb{H}	+	H	₩	H	Щ	+	
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= CONSOLIDATION CURVE

TYPE: 2-INCH O.D. SPLIT-BARREL LOCATION: STA 49+44, 9'R NX CORE BARREL ELEVATION: 879.2 DATE: 9/20-21/77 PESCRIPTION NATURAL CONSISTENCY INDEX ASPHALT - 8 INCHES FILL: MEDIUM-DENSE BLACK FINE TO COARSE SAND. EST. A-1-b FILL: VERY-STIFF BROWN MOTTLED WITH GRAY SILTY CLAY, LITTLE FINE TO COARSE SAND, TRACE TO LITTLE FINE TO COARSE SAND, TRACE TO LITTLE FINE TO COARSE SAND, TRACE TO LITTLE FINE TO COARSE SAND. EST. A-7-6 VERY-STIFF TO HARD BROWN MOTTLED WITH GRAY SILTY CLAY, LITTLE FINE TO COARSE SAND. EST. A-7-6 VERY-HARD BROWN MOTTLED WITH GRAY SILTY CLAY, SIMILAR TO VERY-SOFT SHALE. ST. A-7-6 VERY-HARD BROWN MOTTLED WITH GRAY SILTY CLAY, SIMILAR TO VERY-SOFT SHALE. ST. A-7-6 VERY-HARD BROWN MOTTLED WITH GRAY SILTY CLAY, SIMILAR TO VERY-HARD CLAYEY SILTY CLAY, SIMILAR TO VERY-HARD CLAYEY SILTY. SIMILAR TO VERY-HARD CLAYEY SILT. ST. A-7-6 WERY-SOFT TO SOFT BROWN AND CRAY SHALE, NEARLY HORIZONTALLY BEDDED, PARTLY SIMILAR TO VERY-HARD CLAYEY SILT. SOFT TO MEDIUM-HARD BROWN SHALE, NEARLY HORIZONTALLY BEDDED, MANY VERTICAL AND DIAGORAL FRACTURES, 14" TO 2" LAYERS. EST. A-7-6 SOFT. NATURE SIMILAR TO VERY-HARD CLAYEY SILT. MAUGISTURE COMPENSION-SY COMPRESSION-SY COMPONENTS. PLASTIC LIQUID CLAYER S. EVALUATION DEPTH: 30.5' CORD OF WATER LEVEL READINGS NATURE MICHITARY WORLD FROM SHORT-FOR COMPENSION-SY COMPONENTS. NATURE MICHITARY WORLD FROM SHORT-FOR COMPENSION CLAYER CANDED CLAYER CANDED CLAYER CANDED CLAYER CANDED CLAYER CANDED CLAYER CANDED CLA				LOG OF BORING NO. B-6 BRIDGE LAK-608-337 LAKE COUNTY, OHIO										OF 2 SHEETS
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_					Щ	П	\prod	П	\square	\Box	${\mathbb T}$							
				SOFT TO MEDIUM-HARD GRAY SHALE, NEARLY HORIZONTALLY BEDDED, 1/4" TO 3" LAYERS.	₩	₩	H	₩	$+\!\!\!\!\!+$	+	+	+	+	Щ	\mathbb{H}		RQ'D= 0%	
_	7	9	8%		H +	$\dagger\dagger$	H	H	+	$\dagger \dagger$	+	Н	+	+	Н	Н	(VERY-POOR)	
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				USED 4-1/2" AUGER, 0.0' TO 20.5'.	Ш	П	П	П	\prod	Д	П	П	П	Щ	Ш	Ш	_	
				USED WATER, 20.5' TO 30.5'.	\mathbb{H}	${f H}$	₩	₩	╫	+	+	Ш	\mathbb{H}	\mathbb{H}	Ш	\mathbb{H}		
_				LOST 30%.	$\parallel \parallel$	$\dagger\dagger$	H	$\dagger \dagger$	$\dagger \dagger$	+	+	H	\forall	+	H	Н	1	
				SET 20.5' OF 4" CASING.	П	П	П	П	$ lap{1}$									
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٢						Ш	Ш	Ш	Ц	Ш	Ш	Ш	Ш	Ш	لبل	Ш	W:UNIT DRY WEIGHT - pc	
<u>.</u>	OMPLETION DEPTH: 30.5'				P	LA	ST	IC.					i	LIG	111	D	Q=UN. COMPRESSION-ts	
						LIN							•		Μľ		D=RELATIVE DENSITY-%	
KE	COR	ע	01			x						-			- ×		H=PENETROMETER-tsf	
DΑ	TE:			9/21							N/	ATU PIS1	RA	L			G=GRADATION CURVE	
٦E	ADI	NG	:	18.0'								TAC					T= TRIAXIAL CURVE	
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