SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19665 **BORING LOG** 1

Client Bollinger, Lach & Assoc., Inc. Sheet 4 of 4

Comments

Project Lawrence Rd. bridge over Piscasaw Creek - Structural #056-3010 Date 6/18/09

Location McHenry Co., IL Drilled By AC

Equipment ☒CME 45B ☐H.A ☐Other Logged By DA

Elev., ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine sand,trace medium-coarse sand & gravel,very damp-saturated,medium dense										
						2 4					
		65	19	SS	18"	6	10		17.6		
838.1'											
	Gray silt,some clay,trace sand & gravel,damp,medium dense										
						8 9					
		70	20	SS	18"	10	19		9.5		
834.1'											
	Gray clay,some silt,trace sand & gravel,damp,hard										
831.1'			21			13 13		4.5+	11.0	132.1	5.2
	Brown fine-medium sand,some coarse sand & gravel,very damp-saturated,medium dense to dense	75	22	SS	18"	10	23		9.7		
						15 17					
825.1'		80	23	SS	18"	21	38		9.1		

End of Boring

Water Level —
- while drilling: 10.0 depth, ft. ____ elev., ft.
- after drilling: 10.0
- hrs. after drilling: ____

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval W - water content, %
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs / cu.ft.
Qu - unconfined compressive strength, tons / sq. ft

F-111b

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19665 **BORING LOG** 2

Client Bollinger, Lach & Assoc., Inc. Sheet 1 of 4

Comments

Station 206+72 - 22' R. CL

Project Lawrence Rd. bridge over Piscasaw Creek - Structural #056-3010 Date 6/23/09

Location McHenry Co., IL Drilled By AC

Equipment ☒CME 45B ☐H.A ☐Other Logged By DA

Elev., ft. 900.7'	Description	Depth, ft. 0	S	T	R	B	N	Pen.	W	Uw	Qu
	Dark brown-black silt,some sand, clay,gravel & roots,damp-very damp,loose										
			1	SS	6"	3 4 3	7		20.3		
						4					
896.2'			2			3			19.5		
895.7'	(a) see below	5	3	SS	16"	2	5		49.9		
	Gray fine-medium sand & gravel, trace coarse sand,very damp-saturated,medium dense										
			4	SS	15"	10 12 13	25		8.8		
		10	5	SS	18"	6 10 11	21		10.3		
			6	SS	16"	9 12 14	26		7.8		
		15	7	SS	18"	9 8 6	14		7.1		
			8	SS	12"	8 7 5	12		9.6		
882.2'											
	Gray clay & silt,trace sand & gravel,damp,hard	20	9	SS	18"	8 13 17	30	4.5+	7.6	146.1	4.5

Water Level —
- while drilling: 5.0 depth, ft. ____ elev., ft
- after drilling: 4.0
- hrs. after drilling: ____

(a) Black silt,some clay,trace sand & organic matter,very damp,loose

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length in
B - Standard Penetration Test (SPT), blows/ 6" interval W - water content, %
N - SPT blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs / cu ft.
Qu - unconfined compressive strength, tons / sq. ft

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19665 **BORING LOG** 2

Client Bollinger, Lach & Assoc., Inc. Sheet 2 of 4

Comments

Project Lawrence Rd. bridge over Piscasaw Creek - Structural #056-3010 Date 6/23/09

Location McHenry Co., IL Drilled By AC

Equipment ☒CME 45B ☐H.A ☐Other Logged By DA

Elev., ft.	Description	Depth, ft. 20	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay & silt,trace sand & gravel										
879.7'	damp,hard										
	Gray silt,some clay,trace sand & gravel,damp,medium dense					10 19					
			10	SS	18"	20	29		7.1		
						8					
876.2'			11			11			8.8		
	Gray fine sand,trace medium-coarse sand & gravel,very damp-saturated,medium dense	25	12	SS	18"	9	20		14.5		
874.7'											
	Gray fine-medium sand,some coarse					5					
873.7'	sand & gravel,very damp,medium dense		13			7			7.6		
	Gray clay & silt,trace sand & gravel,damp,hard		14	SS	18"	10	17	4.5+	9.9	128.4	4.7
871.7'						13 12					
	Gray clay,some silt,trace sand & gravel,damp,hard to very hard	30	15	SS	18"	12	24	4.5+	10.3	141.7	5.1
						11					
866.2'			16			16		4.5+	11.8	133.8	9.8
	Brown fine-medium sand,some coarse sand & gravel,very damp-saturated,medium dense	35	17	SS	18"	12	28		12.4		
						4 4					
		40	18	SS	18"	6	10		14.2		

Water Level —
- while drilling: 5.0 depth, ft. ____ elev., ft
- after drilling: 4.0
- hrs. after drilling: ____

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval W - water content, %
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs / cu ft
Qu - unconfined compressive strength tons / sq. ft.

F-111b

FILE NAME = w:\755-012 lawrence phase ii\cadd sheets\structural\0563184-002-027.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gonzalo	DESIGNED JMT	REVISED -
	CHECKED JJT	REVISED -
PLOT SCALE =	DRAWN GM	REVISED -
PLOT DATE = 8/16/2012	CHECKED JJT	REVISED -

McHENRY COUNTY
DIVISION OF TRANSPORTATION
LAWRENCE ROAD BRIDGE OVER PISCASAW CREEK

BORING LOGS II
STRUCTURE NO. 056-3184
SHEET NO. 27 OF 33 SHEETS

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0028	08-00355-01-BR	McHENRY	87	59
		CONTRACT NO. 63694		
		ILLINOIS FED. AID PROJECT		