



File No. 19665 BORING LOG 3

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

Project Lawrence Rd. bridge over Date 6/19/09  
Piscasaw Creek - Structural #056-3010 AC  
Location McHenry Co., IL Drilled By DA

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 fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense						8 7 7	14		11.2		
881.0'							5 9					
	Gray clay & silt, trace sand & gravel, damp, very tough to hard	25	10	SS	18"	12	21	4.5+	8.3	137.1	3.3	
							13 19					
			11	SS	18"	24	43	4.5+	6.5	136.2	7.0	
							9 11					
		30	12	SS	18"	12	23	3.5	7.7	136.7	3.9	
							11 16					
		35	13	SS	18"	14	30	4.5+	8.2	123.4	3.3	
							8 10					
		40	14	SS	16"	13	23	4.5+	7.4	140.1	4.9	

Water Level — depth, ft. elev., ft.  
- while drilling: 8.5  
- after drilling: 8.5  
- 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.

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Project Lawrence Rd. bridge over Date 6/19/09  
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Location McHenry Co., IL Drilled By AC

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Elev., ft.	Description	Depth, ft.	40	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay & silt, trace sand & gravel, damp, hard						13 13					
		45	15	SS	18"	14	27	4.5+	8.9	145.7	5.1	
858.0'							6 9					
	Gray clay, some silt, trace sand & gravel, damp, very tough						6 9					
		50	16	SS	18"	12	21	3.25	12.3	126.9	3.1	
							6 8					
		55	17	SS	18"	10	18	3.0	12.5	132.6	2.6	
							4 6					
		60	18	SS	12"	10	16	2.5	7.6	136.3	2.8	

Water Level — depth, ft. elev., ft.  
- while drilling: 8.5  
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Piscasaw Creek - Structural #056-3010 AC  
Location McHenry Co., IL Drilled By AC

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

Elev., ft.	Description	Depth, ft.	60	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay, some silt, trace sand & gravel, damp, hard						7 11					
840.0'		65	19	SS	18"	11	22	4.0	13.4	121.1	5.0	
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense						4 5					
		70	20	SS	18"	7	12		7.8			
832.5'							3 3					
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, loose	75	21	SS	18"	4	7		8.7			
828.0'							6 8					
	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, medium dense						6 8					
825.0'		80	22	SS	18"	10	18		13.2			

Water Level — depth, ft. elev., ft.  
- while drilling: 8.5  
- after drilling: 8.5  
- hrs. after drilling: \_\_\_\_\_

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Qu - unconfined compressive strength, tons/sq. ft.

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FILE NAME = \\AT55-012.lawrence phase 1\Acad\sheet\structure\056-3184-088-029.dwg

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = gonzalo	DESIGNED JMT	REVISED -
PLOT SCALE =	CHECKED JJT	REVISED -
PLOT DATE = 6/16/2012	DRAWN GM	REVISED -
	CHECKED JJT	REVISED -

**McHENRY COUNTY**  
**DIVISION OF TRANSPORTATION**  
**LAWRENCE ROAD BRIDGE OVER PISCASAW CREEK**

**BORING LOGS IV**  
**STRUCTURE NO. 056-3184**  
SHEET NO. 29 OF 33 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0028	08-00355-01-BR	McHENRY	87	61
CONTRACT NO. 63694				

ILLINOIS FED. AID PROJECT