



File No. 19665 **BORING LOG** 2

Client Bollinger, Lach & Assoc., Inc. Sheet 3 of 4

Comments _____ Project Lawrence Rd. bridge over Date 6/23/09
Piscasaw Creek - Structural #056-3010
Location McHenry Co., IL Drilled By AC

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

Elev., ft.	Description	Depth, ft.	40	S	T	R	B	N	Pen.	W	Uw	Qu
	Brown fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense											
857.2'												
	Gray fine-medium sand, some coarse sand & gravel, very damp, medium dense	45	19	SS	18"		8	14		9.2		
853.7'												
	Gray fine sand, trace medium-coarse sand & gravel, very damp, medium dense	50	20	SS	18"		7	13		20.5		
848.7'												
	Gray clay & silt, trace sand & gravel, damp, very tough	55	21	SS	10"		11	21	3.5	10.2		
840.7'		60	22	SS	18"		11	19	3.5	12.5	135.8	3.1

Water Level — depth, ft elev., ft
 - while drilling: 5.0
 - 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.

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

Comments _____ Project Lawrence Rd. bridge over Date 6/23/09
Piscasaw Creek - Structural #056-3010
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 fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense											
		65	23	SS	18"		9	16		8.3		
		70	24	SS	18"		9	18		8.5		
		75	25	SS	18"		12	20		10.1		
		80	26	SS	18"		12	22		9.9		

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

End of Boring
 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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File No. 19665 **BORING LOG** 3

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

Comments _____ Project Lawrence Rd. bridge over Date 6/19/09
Piscasaw Creek - Structural #056-3010
Station 206+99 - 7' L. CL Location McHenry Co., IL Drilled By AC

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

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
	Bituminous concrete - 9.0"											
	Crushed & uncrushed gravel & fines - 21.0"											
902.5'												
	Brown silt, some sand, gravel & clay, damp, loose - Fill	1	SS	14"			6	9		12.7		
901.0'												
	Black silt, some clay, trace sand, damp, loose (topsoil)	5	2	SS	13"		3	7		28.1		
898.5'												
	Brown-gray clay, some silt, trace sand, very damp, stiff	3	SS	16"			3	5	0.75	35.3	83.9	0.7
896.5'												
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, dense to medium dense	10	4	SS	15"		19	36		8.9		
		5	SS	12"			12	23		9.4		
		15	6	SS	11		9	17		10.4		
		7	SS	15"			14	31		6.8		
		20	8	SS	12"		6	12		12.1		

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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FILE NAME: \\s755-812\lawrence_phase\1\cadd\struct\056\056-3010-0218.dwg

 Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gonzalo	DESIGNED JMT	REVISED -	McHENRY COUNTY DIVISION OF TRANSPORTATION LAWRENCE ROAD BRIDGE OVER PISCASAW CREEK	BORING LOGS III STRUCTURE NO. 056-3184 SHEET NO. 28 OF 33 SHEETS	F.A.S. RTE. 002B	SECTION 08-00355-01-BR	COUNTY MCHENRY	TOTAL SHEETS 87	SHEET NO. 60
	PLOT SCALE =	DRAWN GM	REVISED -			CONTRACT NO. 63694				
	PLOT DATE = 8/16/2012	CHECKED JJI	REVISED -			ILLINOIS FED. AID PROJECT				