SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19665 **BORING LOG** 4

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

Comments: Station 207+70 - 7' R. CL

Project: Lawrence Rd. bridge over Piscasaw Creek - Structural #056-3010 Date 6/19/09

Location: McHenry Co., IL Drilled By AC

Equipment: [X] CME 45B [ ] H.A. [ ] Other Logged By DA

Elev., ft.	905.0' Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Bituminous concrete - 7.25"										
903.0'	Crushed & uncrushed gravel & fines - 16.75" (large gravel or cobbles)										
901.0'	Brown silt, some clay, sand & gravel, very damp-damp, loose - Fill		1	SS	16"	7 3 5	8		13.4		
899.0'	Black silt, some clay, trace sand & gravel, damp, medium dense - Fill	5	2	SS	12"	6 6 5	11		18.6		
	End of Boring										
		10									
		15									
		20									

Water Level — depth, ft elev., ft
- while drilling: dry
- after drilling: dry
- 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** 5

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

Comments: Station 205+22 - 32' L. CL

Project: Lawrence Rd. bridge over Piscasaw Creek - Structural #056-3010 Date 6/19/09

Location: McHenry Co., IL Drilled By AC

Equipment: [X] CME 45B [ ] H.A. [ ] Other Logged By DA

Elev., ft.	903.8' Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Bituminous concrete - 7.5"										
	Crushed & uncrushed gravel & fines - 13.5"										
901.8'	Brown medium-coarse sand, some gravel, trace silt, damp - Fill		1			10 5			6.4		
900.3'	Black silt, some clay, trace sand, damp, loose (topsoil)		2	SS	14"	4	9		27.5		
	Brown-gray clay, some silt, trace sand, very damp-damp, tough	5				2 3					
892.8'			3	SS	18"	3	6	10	27.0	95.9	1.2
	End of Boring										
		10									
		15									
		20									

Water Level — depth, ft elev., ft
- while drilling: dry
- after drilling: dry
- 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\0563184-000-030.dgn

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 V STRUCTURE NO. 056-3184	F.A.S RTE. 0028	SECTION 08-00355-01-BR	COUNTY McHENRY	TOTAL SHEETS 87	SHEET NO. 62
		CHECKED JJI	REVISED -					CONTRACT NO. 63694		
	PLOT SCALE =	DRAWN GM	REVISED -							
	PLOT DATE = 8/16/2012	CHECKED JJI	REVISED -		SHEET NO. 30 OF 33 SHEETS			ILLINOIS FED. AID PROJECT		