SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19664 **BORING LOG** 4

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

Comments: Station 214+41 - 6' R. CL

Project: Bliven St. bridge over Nippersink Creek - Structural #056-0324 Date 6/17/09

Location: McHenry Co., IL Drilled By AC

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

Elev., ft. 760.8' Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
Bituminous concrete - 6.25"										
Crushed gravel & fines - 23.75"										
758.3'					14					
Brown-dark brown fine-medium sand,some gravel,trace coarse sand,damp,very dense to loose - Fill		1	SS	18"	30 28	58		4.9		
	5				3					
754.8'		2	SS	12"	4 15	9		5.5		
End of Boring										
	10									
	15									
	20									

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

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

F-111b

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19664 **BORING LOG** 5

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

Comments: Station 211+79 - 6' L. CL

Project: Bliven St. bridge over Nippersink Creek - Structural #056-0324 Date 6/17/09

Location: McHenry Co., IL Drilled By AC

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

Elev., ft. 769.7' Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
Bituminous concrete - 5.25"										
Crushed gravel & fines - 24.75"										
767.2'					8					
Brown-dark brown-black silt, some clay,sand & gravel,damp, loose - Fill		1	SS	15"	4 4	8		18.6		
765.7'										
Brown fine sand,trace medium-coarse sand & gravel,damp, medium dense	5				6					
763.7'		2	SS	18"	6 6	12		8.6		
End of Boring										
	10									
	15									
	20									

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

Water Level — depth, ft elev , ft
- while drilling: dry
- after drilling: dry
- hrs after drilling:

F-111b

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 19664 **BORING LOG** 6

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

Comments:

Project: Blivin St. Bridge over Nippersink Creek - Structural #056-3024 Date 12/9/10

Location: McHenry Co., IL Drilled By AC

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

Elev., ft. 761.2' Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
dark brown silt & fine sand,trace roots,damp (topsoil) - 15.0"		1	J					26.7		
Brown fine-medium sand,some coarse sand & gravel,damp-very damp		2	J					14.8		
		3	J					5.2		
757.2'		4	J					4.3		
End of Boring	5									
(dry cave-in)										
	10									
	15									
	20									

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..

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

F-111b

FILE NAME = W:\755-018 Bliven Phase II\CADD_Sheets\Structural\755-018 SHT-27 S- BORING LOGS.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gonzalo	DESIGNED - SRT	REVISED -
	CHECKED - JJI	REVISED -
PLOT SCALE =	DRAWN - GM	REVISED -
PLOT DATE = 3/25/2011	CHECKED - JJI	REVISED -

McHENRY COUNTY
DIVISION OF TRANSPORTATION
BLIVIN STREET OVER NIPPERSINK CREEK

SOIL BORING LOGS
STRUCTURE NO. 056-3191

SCALE: SHEET NO. 27 OF 28 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00355-00-BR	MCHENRY	69	52
		CONTRACT NO. 63583		
	ILLINOIS	FED. AID PROJECT		