

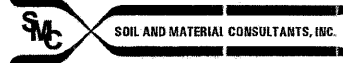


File No. 19664 **BORING LOG** 3
 Client Bollinger, Lach & Assoc., Inc. Sheet 2 of 4
 Project Bliven St. bridge over Nipper- Date 6/11/09
 sink Creek - Structural #056-3024
 Location McHenry Co., IL Drilled By AC
 Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	20	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay, some silt, trace sand & gravel, damp, very hard to hard											
							12					
							18					
		10	SS	18"	21	39			4.5+	9.5	133.9	8.3
							9					
							17					
		25	11	SS	18"	18	35		4.5+	9.2	138.0	7.5
							14					
							20					
		12	SS	18"	26	46			4.5+	9.2	130.0	5.4
							11					
							13					
		30	13	SS	18"	14	27		4.5+	9.8	140.9	4.3
							11					
							18					
	sand seam at 34.5'	35	14	SS	18"	22	40		4.5+	10.5	136.6	5.7
725.3'												
	Gray fine-medium sand, some coarse sand & gravel, very damp, dense											
							10					
							13					
		40	15	SS	18"	19	32			8.1		

Water Level — depth, ft. elev. ft.
 - while drilling: 11.0
 - after drilling: 8.5
 - hrs. after drilling: _____
 F-111b

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.

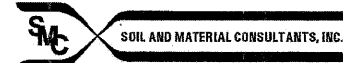


File No. 19664 **BORING LOG** 3
 Client Bollinger, Lach & Assoc., Inc. Sheet 3 of 4
 Project Bliven St. bridge over Nipper- Date 6/11/09
 sink Creek - Structural #056-3024
 Location McHenry Co., IL Drilled By AC
 Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	40	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp, medium dense											
							7					
							10					
		45	16	SS	18"	17	27			6.1		
							6					
							10					
		50	17	SS	18"	16	26			6.6		
							6					
							10					
		55	18	SS	18"	12	21			6.8		
							6					
							9					
		60	19	SS	18"	14	25			8.8		
							7					
							11					

Water Level — depth, ft. elev. ft.
 - while drilling: 11.0
 - after drilling: 8.5
 - hrs. after drilling: _____
 F-111b

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.



File No. 19664 **BORING LOG** 3
 Client Bollinger, Lach & Assoc., Inc. Sheet 4 of 4
 Project Bliven St. bridge over Nipper- Date 6/11/09
 sink Creek - Structural #056-3024
 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, medium dense											
							7					
							8					
		65	20	SS	14"	11	19			13.2		
							5					
							9					
		70	21	SS	12"	14	23			13.1		
							7					
							8					
		75	22	SS	18"	9	17			11.0		
							6					
							10					
		80	23	SS	18"	10	20			10.9		

Water Level — depth, ft. elev. ft.
 - while drilling: 11.0
 - after drilling: 8.5
 - hrs. after drilling: _____
 F-111b

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.

FILE NAME = M:\755-010 Bliven Phase I\CAD\Drawings\Structural\755-010 SHT-26 S - BORING LOGS.dgn



USER NAME = gonzalo
 PLOT SCALE =
 PLOT DATE = 3/25/2011

DESIGNED - SRT
 CHECKED - JJI
 DRAWN - GM
 CHECKED - JJI

REVISED -
 REVISED -
 REVISED -
 REVISED -

McHENRY COUNTY
DIVISION OF TRANSPORTATION
BLIVEN STREET OVER NIPPERSINK CREEK

SOIL BORING LOGS
STRUCTURE NO. 056-3191
 SCALE: SHEET NO. 26 OF 28 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00355-00-BR	McHENRY	69	51
CONTRACT NO. 63583				
ILLINOIS FED. AID PROJECT				