

McHENRY COUNTY
DIVISION OF TRANSPORTATION

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 19485 **BORING LOG 2**
Client: Ciorba Group, Inc. Sheet 1 of 4
Project: Dunham Rd. over the Kishwaukee River - Structural #056-3021 Date 11/11/08
Location: McHenry Co., IL Drilled By: AC
Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
872.3'	Bituminous concrete - 11.0"											
	Brown fine-medium sand, some coarse sand & gravel, damp, medium dense - Fill	1	SS	8"					6 15		3.4	
869.7'	Dark brown-black silt, some clay, trace sand & gravel, damp-very damp loose - Fill	2	SS	9"					3 5		21.9	
865.7'	Black silt, some clay, trace sand, damp, loose to medium dense (topsoil)	3	SS	8"					4 8		17.5	
863.7'	Gray-brown silt, some sand & gravel, very damp, medium dense	4	SS	15"					6 12		16.4	
862.2'	Brown fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense	5	SS	14"					10 19		7.8	
853.7'	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, dense	6	SS	15"					18 37		8.2	
		7	SS	18"					20 37		7.6	
853.7'	Gray fine sand, very damp-saturated, dense	9	SS	18"					15 32		7.6	

Water Level - depth, ft. elev., ft. S - sample T - type (J, M, SS, etc.) R - recovery length, in.
- while drilling: 11.0 N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30". W - water content, %
- after drilling: 11.0 Pen - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.
hrs. after drilling: Qu - unconfined compressive strength, tons/sq. ft.

F-111b

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Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine sand, trace medium-coarse sand, very damp-saturated, medium dense	11	SS	18"					12 22		17.4	
847.7'	Gray silt, some sand, trace clay, very damp, loose	12	SS	18"					7 14		15.2	
		13	SS	15"					4 7		10.5	
840.7'	Gray silt, some sand, trace clay, very damp, very loose to medium dense	14	SS	12"					4 7		11.0	
		15	SS	10"					2 3		10.8	
		16	SS	14"					5 10		12.7	

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Client: Ciorba Group, Inc. Sheet 3 of 4
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Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
831.2'	Gray silt, some sand, trace clay, very damp, loose to medium dense	17	SS	14"					6 10		11.7	
826.2'	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, medium dense	18	SS	18"					9 15		14.1	
821.2'	Dark brown silt, some clay, trace fine sand, damp, medium dense	19	SS	14"					8 16		26.1	
817.2'	Gray-green-brown clay, some silt, trace sand & gravel, damp, very tough	20	SS	18"					8 15	2.25	17.5	121.0 2.5

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810.2'	Gray-green-brown clay, some silt, trace sand & gravel, damp, very tough	21	SS	18"					12 23		19.6	
804.2'	Brown silt, some clay, trace sand & gravel, damp, dense	22	SS	18"					22 42		14.1	
801.2'	Gray clay & silt, trace sand & gravel, damp, tough to very tough	23	SS	18"					9 16	1.5	13.3	133.5 1.2
793.2'	End of Boring	24	SS	18"					15 26		9.9	141.0 2.1

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SOIL BORINGS 2
STRUCTURE NO. 056-3179

DESIGNED - AMK
CHECKED - EKM
DRAWN - RD
CHECKED - EKM

CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60658
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorba.com

SHEET NO. S-20	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-21 SHEETS	1233	06-00321-00-BR	McHENRY	48	38
			CONTRACT NO. 63516		
ILLINOIS FED. AID PROJECT					

rdentley

8/2/2010

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