

McHENRY COUNTY  
DIVISION OF TRANSPORTATION

CHICAGO TESTING LABORATORY, INC.

BRIDGE FOUNDATION BORING LOG

PROJECT Allendale Road Bridge CTL FILE # 06MC208 SHEET 1 OF 2  
 ROUTE Allendale Road DESCRIPTION Bridge over Vander Karr Creek BORED BY DR  
 SECTION 05-00310-00-BR LOCATION SW 1/4, Sec. 3, T4S N, R 7 E LOGGED BY DS  
 COUNTY McHenry (IL) DRILLING METHOD Mud Rotary/Casing to 20' bgs CHECKED BY CC

STRUCTURE NUMBER	WATER ELEV.	GROUNDWATER - FIRST ENCOUNTERED	DEPTH	QU	W	DEPTH	QU	W
West Abutment	11' below bridge	-14.5'	N/6"	tsf	%	N/6"	tsf	%
BORING SB-1								
STATION See Sketch								
OFFSET 6' N of center of road								
GROUND SURFACE EL. 846.7 Ft.			M (Ft)			M (Ft)		
5" Bituminous Concrete Pavement								
SAND and GRAVEL, medium dense, mixed with some Dark Brown CLAY A-2-6, FILL			11			6	2.02	
			10		4	12	0	12
			13			15		
Brown Clay LOAM, loose, A-6, FILL			5			14		
			4		11	11	1.73	12
			3			8	P	
Grey Organic SILT, A-8			2	0.25	18	8		6
			2			7		
			3			6		
Black PEAT, very soft, A-8			3	<0.25	50	5		9
			3	P	11	6		
Grey Organic Silty SAND, with some Gravel, trace Peat Fibers, A-8			3			6		
Grey Sandy LOAM, little Gravel, loose, A-2-4			5			5		
			4		9	6		
			4			6		
(moist @ 14.5')			2			12		
			5		12	11	6.90	11
			4			11	S	
			3			11		
			3		9			
			4			7		
Brown CLAY, very stiff, A-6			6	3.68	11	10	4.33	10
			6	B		15	S	
			7			15		

N-Standard Penetration Test- Blows per foot to drive 2 inch  
 O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches  
 Qu- Unconfined Compressive Strength (tsf)  
 W- Water Content- percentage of oven dry weight (%)  
 Type failure: B- Bulge Failure  
 S- Shear Failure  
 E- Estimated Value  
 P- Penetrometer

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SHEET 2 OF 2

PROJECT Allendale Road Bridge  
 CTL FILE # 06MC208  
 COUNTY McHenry (IL)  
 BORING SB-1

DEPTH	QU	W	DEPTH	QU	W
N/6"	tsf	%	N/6"	tsf	%
CONTINUED			M (Ft)		
			20		
Brown Clay LOAM, hard, A-6					
			13		
SAND and GRAVEL, medium dense A-1-b					
			13	16	10
			9		9
			(45)	12	
SAND, trace Gravel, medium dense, A-3			14		
			(70)		
			22		
Brown Clay LOAM, some Gravel, hard, A-6					
			15	21	9
			24	5.52	
			(30)	30	B
			(75)		
			23		
			16		
			(80)		
			24		
Brown SAND (f), very dense, A-3					
			(55)	24	17
			17	34	S
				38	
			(60)		
			25		
SAND and GRAVEL, very dense, A-1-b					
			18	18	7
			(60)	36	
				32	
			(85)		
			26		
			19		
SAND, little Gravel, dense, A-1-b					
			14		15
			19		
			(65)	23	
End of Boring @ 65.0'			(90)		

1:0.0000' / IN. r.danley 2/6/2009 N:\PROJ\3335\Design\Structural\CAD\3335\_19 Soil Borings.dgn

DESIGNED AMK  
 CHECKED EKM  
 DRAWN RD  
 CHECKED EKM



SOIL BORINGS 1  
STRUCTURE NO. 056-3173

SHEET NO. S-19 OF S-20 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		05-00310-00-BR	McHENRY	44	35
	CONTRACT NO. 63114				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		