

McHENRY COUNTY  
DIVISION OF TRANSPORTATION

CHICAGO TESTING LABORATORY, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT: Allendale Road Bridge CTL FILE # 06MC208 DATE 2/17/06  
 ROUTE: Allendale Road DESCRIPTION: Bridge over Vander Karr Creek BORED BY: DR  
 SECTION: 05-00310-00-BR LOCATION: SW 1/4, Sec. 3, T45 N, R. 7 E LOGGED BY: DS  
 COUNTY: McHenry (IL) DRILLING METHOD: Mud Rotary/Casing to 28' bgs CHECKED BY: CC

STRUCTURE		HAMMER TYPE		Automatic		WATER ELEV.		11' below bridge	
NUMBER	East Abutment	Depth	N/6"	Qu	W	ENCOUNTERED	11'	Qu	W
BORING	SB-2			tsf	%	AFTER	HOURS	tsf	%
STATION	See Sketch								
OFFSET	5' S of center of road								
GROUND SURFACE EL. 846.5 Ft. M (Ft)									
5" Bituminous Concrete Pavement									
1.5" Brown SAND and GRAVEL, medium dense, A-1-b, FILL		15	-	5		SAND and GRAVEL, dense to very dense, A-1-b, with Cobbles		36	
Brown CLAY, very stiff, A-6, FILL		5	3.0	17				25	0
		7		P				19	
Brown SAND and GRAVEL mixed with some Brown CLAY, loose, A-2-6, FILL		3		5		Boulder @ 23'		10	
		3						17	4
		3						13	
Organic SILT and PEAT Fibers, soft, A-8		5		11		Brown CLAY, very stiff, A-6		12	11
		3						14	2.5
		3						17	P
SAND and GRAVEL, medium dense, A-1-b		0		26				12	
		2						15	3.75
		2						16	P
Grey CLAY, very stiff, A-6		6		11		End of Boring @ 35.0'		10	
		10						16	3.75
		12						20	P
SAND and GRAVEL, dense to very dense, A-1-b with Cobbles		13		7				10	
		9						16	3.75
		6	3.25					20	P
		5							
		5	3.71						
		12		14					
		16		6					
		8							
		46		10					
		23							

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

140.00000 'r / IN. rdenley 2/6/2009 N:\PROJECTS\Design\Structural\CAD\3335 20 Soil Borings.dgn

DESIGNED	AMK
CHECKED	EKM
DRAWN	RD
CHECKED	EKM



**Ciorba Group, Inc.**  
 CONSULTING ENGINEERS  
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

**SOIL BORINGS 2**  
**STRUCTURE NO. 056-3173**

SHEET NO. S-20 OF S-20 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		05-00310-00-BR	McHENRY	44	36
			CONTRACT NO.	63114	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		