



Illinois Department of Transportation
Division of Highways
Geotechnology, Inc.
Oswald Bridge over
Sugar Creek

SOIL BORING LOG

Page 1 of 2

Date 9/1/09

ROUTE _____ DESCRIPTION _____ LOGGED BY MTE

SECTION _____ LOCATION SEC. TWP. RNG.

COUNTY Madison County DRILLING METHOD HSA and MR HAMMER TYPE Auto

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	DEPTH H	BLOW S	UCS Qu	MOIST T
Brown to gray, SILTY CLAY (FILL), trace gravel		3			481.5	-5					2		
		3									3	0.3	22
		3									2	B	
											1		
Soft, brown, SILTY CLAY					475.5						1		
		1									1	0.6	32
		1									0	B	
											0		
Stiff to medium stiff, gray CLAY, trace sand					468.5						0	0.4	30
		3	1.3	22							0	0.4	28
		3	B								0	B	
											1		
Soft, brownish-gray CLAY, trace sand					468.5						3		
		0	0.3	24							1	0.6	30
		0	B								2	B	
											1		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used
BBS, from 137 (Rev. 8-99)



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Soft, brownish-gray CLAY, trace sand (continued)					444.5								
Very stiff to hard, brownish-gray CLAY, trace sand					424.5								
Soft, gray SHALE					416.5	-70					50/3"		
SHALE - see attached core log					406.5	-80							
bluish-gray, shaley					406.5	-80					50/6"	2.2	25

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USER NAME =	DESIGNED -	REVISED -
PLLOT SCALE =	CHECKED -	REVISED -
PLLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 060-3346
SHEET NO. 13 OF 14 SHEETS

TWP Road	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305A	06-11114-00-BR	MADISON	25	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				