



Illinois Department of Transportation  
Division of Highways  
District 6

### SOIL BORING LOG

Page 1 of 2

Date 3/7/12

ROUTE IL-10 DESCRIPTION Over Sugar Creek Overflow LOGGED BY M. Tappan

SECTION 102 B-2 LOCATION NW 1/4, SEC. 23, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140 # AUTO

STRUC. NO.	054-0515	D E L C M				Surface Water Elev.	524.3	D E L C M						
Station	511+50	P O S O I S				Stream Bed Elev.	521.2	P O S O I S						
BORING NO.	2A Pier	T W S Qu T				Groundwater Elev.:	523.3	T W S Qu T						
Station	511+50	H S Qu T				First Encounter	Washed	H S Qu T						
Offset	13.0ft RT					Upon Completion	ft							
Ground Surface Elev.	543.8	ft	(ft)	/6"	(tsf)	(%)	After	Hrs.	Plugged	ft	(ft)	/6"	(tsf)	(%)
Black Moist SILTY CLAY (Fill)		2									1			
		3		1.7	24						3			
		5		B							3			
		2									1			
		3		1.4	22	520.30					3	2.7	12	
		3		B							6	S-14		
		-5									-28			
Olive Brown and Dark Gray Moist SILTY CLAY (Fill)		1									7			
		3		1.2	22						17	8.0	10	
		3		B							24	B		
		1									7			
		2		.80	19						32	8.8	8	
		2		B							52	S-5		
		-10									-30			
Grayish Brown Moist SILTY CLAY LOAM (Fill)	533.30	1												
		2		.80	24									
		3		S-12										
		1									8			
Light Yellowish Brown Moist Fine SAND	530.30	2									9	6.1	8	
		2									9	S-12		
		-15									-35			
Tan Moist Medium SAND with Some 1/4" to 1/2" Pea GRAVEL		1												
		3												
		3												
		2									7			
Brown and Gray Moist Medium SANDY GRAVEL		6				507.30					17			
		6									19			
		-20									-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SOILS\SOILS\LOGS\054-0515\_0515\_2A\_Pier.dwg Date Printed: 2/28/13  
Latitude: 40.101717N Longitude: 88.31340W Datum: NAD83 Job Number: D-85-04-08



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BORING NO.	2A Pier	T W S Qu T				Groundwater Elev.:	523.3	T W S Qu T						
Station	511+50	H S Qu T				First Encounter	Washed	H S Qu T						
Offset	13.0ft RT					Upon Completion	ft							
Ground Surface Elev.	543.8	ft	(ft)	/6"	(tsf)	(%)	After	Hrs.	Plugged	ft	(ft)	/6"	(tsf)	(%)
Gray Medium SANDY GRAVEL														
Washed (continued)														
		11												
		14												
		23												
		-45									-65			
Washed														
		17												
		32												
		24												
		24												
		-50									-70			
		491.30												
Gray Moist CLAY LOAM (Till)														
Washed														
		10												
		47		5.5	7									
		53		S-5										
		-58		/3"							-75			
		22												
Gray Moist CLAY LOAM (Till)														
Sample Broken. Washed.														
		52		10.0	8									
		48		E										
Boring Completed	484.30													
		-60									-80			

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Latitude: 40.101717N Longitude: 88.31340W Datum: NAD83 Job Number: D-85-04-08

FILE NAME = 72882-022-borings.dgn  
PROJECT NO. 072884-8

**Coombe-Bloxdorf P.C.**  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

USER NAME = .MML.	DESIGNED - AMC	REVISED -
PLOT SCALE = 0.1667' / IN.	CHECKED - MCB	REVISED -
PLOT DATE = 10/23/2013	DRAWN - MML	REVISED -
	CHECKED - MCB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 054-0515

SHEET NO. 22 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	102B-1, 102CR, 102BR-2/RS-5	LOGAN	218	76
CONTRACT NO. 72B82				
ILLINOIS FED. AID PROJECT				