



# SOIL BORING LOG

Date 3/6/12

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

STRUCT. NO.	DEPT	B	U	M	Surface Water Elev.	DEPT	B	U	M	
Station	H	L	C	O	Stream Bed Elev.	H	L	C	O	
BORING NO.	T	S	Qu	T	Groundwater Elev.:	T	S	Qu	T	
Station	W	S			First Encounter	W	S			
Offset	H	S			Upon Completion	H	S			
Ground Surface Elev.	ft	(ft)	/6"	(tsf)	After	Hrs.	ft	(ft)	/6"	
				(%)	Plugged	ft			(tsf)	
				(%)					(%)	
054-0515					524.3					
511+50					521.2					
3 E. Abut										
512+16					523.3					
14.0ft LT										
543.8										
CA-6 GRAVEL to Very Dark Gray Moist SILTY CLAY (Fill)					Gray Moist Coarse SAND (continued)					
	2				Gray Fine SANDY GRAVEL					
	3	1.6		22						
	5	B								
Gray and Brown Moist SILTY CLAY (Fill)					Gray Dirty Medium SAND with Some 1/2" Pea GRAVEL					
	1									
	2	1.2		29						
	4	B								
Brown and Dark Gray					Brown and Gray Moist CLAY LOAM (Till) Washed					
	1									
	2	1.1		27						
	3	B								
Olive Brown and Dark Gray Moist SILTY CLAY (Fill)					Gray					
	1									
	2	1.3		22						
	3	B								
Very Dark Gray Moist SILTY CLAY with Iron Oxidation Nodules										
	1									
	2	1.5		27						
	4	B								
Brown and Gray with Iron Oxidation Nodules					Gray Moist CLAY LOAM (Till)					
	0									
	2	.70		23						
	2	B								
Light Brown And Light Gray Very Moist SILTY CLAY LOAM										
	1	.60		24						
	2	B								
Gray Moist Coarse SAND					Gray Moist CLAY LOAM (Till)					
	1									
	3									
	3									

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)



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				(%)	Plugged	ft			(tsf)	
				(%)					(%)	
054-0515					524.3					
511+50					521.2					
3 E. Abut										
512+16					523.3					
14.0ft LT										
543.8										
Brown and Gray Moist CLAY LOAM (Till) Washed (continued)					Gray Moist SANDY CLAY LOAM (Till) Washed Drilled Hard at 61'					
Gray Moist CLAY LOAM (Till) Interbedded with Medium SAND Seams										
	4									
	9	4.9		11						
	10	B								
Gray Medium SANDY GRAVEL Washed					Gray Moist CLAY LOAM (Till)					
	16									
	12									
	8									
Gray Very Fine SAND Washed					Gray Moist CLAY LOAM (Till) Washed					
	8									
	7									
	9									
Gray Fine SAND with 2" Gray Moist SANDY CLAY LOAM (Till) Washed					Gray Medium SANDY GRAVEL Poor Recovery, Washed.					
	12									
	25									
	52									

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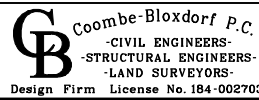
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Ground Surface Elev.	ft	(ft)	/6"	(tsf)	After	Hrs.	ft	(ft)	/6"	
				(%)	Plugged	ft			(tsf)	
				(%)					(%)	
054-0515					524.3					
511+50					521.2					
3 E. Abut										
512+16					523.3					
14.0ft LT										
543.8										
Ref. Sta. to B# 1 W. Abut. = 510+52 Sta. Increase to East										
Ref. Elev. to BM# 53 = Chsd Square on NW Headwall = 544.0										

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FILE NAME = 72882-023-ho-mpa.dgn  
C:\PROJECTS\72882-023\72882-023.dwg  
CB PROJECT NO. 072884-B



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

DESIGNED - AMC  
CHECKED - MCB  
DRAWN - MML  
CHECKED - MCB  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 054-0515

SHEET NO. 23 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	102B-1, 102CR, 102BR-2/RS-5	LOGAN	218	77
CONTRACT NO. 72882				
ILLINOIS FED. AID PROJECT				