



SOIL BORING LOG

Date 6/26/12

ROUTE Dirksen Parkway DESCRIPTION Traffic Signal at Dirksen Pkwy and Elm Steet LOGGED BY M. Tappan

SECTION LOCATION SPFLD. SEC. TWP. RNG. PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	DEPT	BLOW	UCS	MOIST
Station	H	S	Qu	T	N/A ft	H	S	Qu	T
BORING NO. 1 SW Corner					Stream Bed Elev. N/A ft				
Station 197+34.26					Groundwater Elev.:				
Offset 28.5ft RT					▽ First Encounter 576.1 ft				
Ground Surface Elev. 592.62 ft	(ft)	/6"	(tsf)	(%)	▽ Upon Completion Plugged ft	(ft)	/6"	(tsf)	(%)
					▽ After 72 Hrs. Plugged ft				
Brown and Gray Moist SILTY CLAY Disturbed	2				572.12	7			
	4	1.6	23			100		11	
	5	B				/6"			
589.12									
Tan and Lt Gray Moist SILT LOAM	2					7			
	2	1.1	25		Gray	100		10	
	3	B				/3"			
587.12									
Tan and Lt Gray Moist SILT	1								
	2	0.9	26						
	4	B							
584.62									
Tan and Gray Moist SILT LOAM	1					8			
	3	1.6	22			100		8	
	3	B				/5"			
582.12									
Brown and Gray V Moist SILTY CLAY LOAM	1				Boring Complete				
	1	0.5	27		Metric Station 5+917				
	2	B			Offset 8.7m LT				
					Elevation 180.63m				
	0								
	2	0.6	24						
	2	B							
576.62									
Brown and Gray Moist SILTY CLAY (Till) FREE WATER	0								
	2	1.4	26						
	2	B							
574.62									
Brown and Gray Wet CLAY LOAM (Till)	0								
	0	0.1	24						
	1	B							

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\GINT FILES\SANGAMON\TRAFFIC SIGNAL STRUCTURE DIRKSEN PARKWAY.GPJ Data Template D5TEMPLT.GDT Date Printed 3/8/13 Latitude 39.048650N Longitude 89.036343W Datum NAD83 Job Number D-56-543-01



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SECTION LOCATION SPFLD. SEC. TWP. RNG. PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	DEPT	BLOW	UCS	MOIST
Station	H	S	Qu	T	N/A ft	H	S	Qu	T
BORING NO. 2 NE Corner					Stream Bed Elev. N/A ft				
Station 196+58.8					Groundwater Elev.:				
Offset 27.9ft LT					▽ First Encounter 572.9 ft				
Ground Surface Elev. 591.9 ft	(ft)	/6"	(tsf)	(%)	▽ Upon Completion 587.4 ft	(ft)	/6"	(tsf)	(%)
					▽ After 72 Hrs. 580.9 ft				
Tan and Lt Gray Moist SILT LOAM	1				FREE WATER				
	2	0.9	22		Lt Grayish Brown Wet CLAY				
	2	S-10			LOAM (Till) (continued) 570.90				
						7			
	1				Tan and Lt Gray Moist V. Poorly				
	2	0.6	28		Cemented Micaceous SILTY				
	2	B			SHALE				
					Very Friable				
	1								
	2	0.7	26						
	2	B							
583.90									
Grayish Brown Moist SILTY CLAY LOAM	1								
	1	0.7	24						
	2	B							
	1								
	2	1.2	23						
	2	B							
578.90									
Brown Moist CLAY (Till)	1								
	2	2.4	25						
	3	B							
	0								
	1	0.2	22						
	0	B							
576.40									
Lt Grayish Brown Wet CLAY LOAM (Till)									
	1								
	5	1.9	13						
	8	B							

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