INTERRA Engineering • Inspection • Testing
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
Ph: 630-754-8700
www.interra.co

SOIL BORING LOG

Date 4/11/12

ROUTE FAP 305 **DESCRIPTION** FAP Route 305 (Willow Road) **LOGGED BY** SC

SECTION (1920,.01,1518,2022&1922,4B)R **LOCATION** FAP 305

COUNTY Cook **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** Automatic

STRUCT. NO. 016-2844
Station 714+86.69

BORING NO. SB-09
Station 714+36.69
Offset 16.34ft LT
Ground Surface Elev. 632.98 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 26' ft
Upon Completion ft
After 1.5 **Hrs.** None ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
5" ASPHALT	632.56				
11" CONCRETE	631.65				
Hard Brown, Moist CLAY (fill)			7		
			7 6	4.5 P	13.2
PID Reading = 0 ppm	629.98				
Very Stiff Brown, Moist CLAY (fill)			4		
			3 5	2.8 P	17.1
PID Reading = 0 ppm		-5			
Medium Soft Brown to Gray, Moist CLAY (fill)	627.48		3		
			2 3	0.8 P	23.8
PID Reading = 0 ppm					
Organic Content = 2.5%	624.98				
Stiff Brown, Moist CLAY (fill) with sand			3		
			4 5	1.5 P	20.9
PID Reading = 0 ppm		-10			
Sand mixed with crushed concrete	622.48		10		
PID Reading = 0 ppm			12 36		20.2
Soft Brown to Black, Moist CLAY trace to little organics	619.98		3		
			3 5	0.5 P	27.3
PID Reading = 0 ppm		-15			
Organic Content = 3.3%	617.48		3		
Hard Gray, Moist CLAY			5 7	5.2 B	14.7
PID Reading = 0 ppm	614.98				
				1.7 B	19.4
		-20			
Stiff Gray, Moist CLAY					
				1.9 B	15.7
PID Reading = 0 ppm *(continued)*		-25			
	607.48				
Very Stiff Gray, Moist CLAY			5		
			9 10	3.0 P	15.0
PID Reading = 0 ppm	604.98				
Stiff Gray, Moist CLAY			5		
			5 7	1.4 B	16.8
PID Reading = 0 ppm		-30			
		-35	4		
			5 4	1.0 P	21.2
	594.48				
			5		
			6 8		19.9
		-40			

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)

BBS, from 137 (Rev. 8-99)

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Stream Bed Elev. ft

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Upon Completion ft
After 1.5 **Hrs.** None ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Dense Gray, Wet SAND					
PID Reading = 0 ppm *(continued)*					
			3		
			6 8		14.5
		-45			
	584.48				
Stiff Gray, Moist CLAY			9		
			10 13	1.3 B	16.5
PID Reading = 0 ppm		-50			
	580.98				
Very Stiff Gray, Moist CLAY					
PID Reading = 0 ppm			5		
			6 9	2.5 P	16.5
		-55			
	575.98				
Medium Stiff Gray, Moist CLAY					
PID Reading = 0 ppm			4		
			4 5	0.8 B	22.0
		-60			
	570.98				
Very Stiff Gray, Moist CLAY					
PID Reading = 0 ppm			10		
			7 10	2.3 P	20.9
		-65			
		-70	9		
			10 12	2.9 B	16.5
			10		
			18 25	3.5 P	11.7
	557.98	-75			
End of Boring					
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)