



600 Territorial Drive, Suite G
Bolingbrook, IL 60440
Ph: 630-754-8700
www.interra.co

SOIL BORING LOG

Page 1 of 2

Date 4/10/12

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+86.89

BORING NO. SB-10
Station 715+29.69
Offset 16.34ft LT
Ground Surface Elev. 632.81 ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOISTURE (%)
0				5" ASPHALT				
0				8" CONCRETE				
5	5	4.5	16.9	Hard Brown, Moist CLAY (fill)			2.2	16.8
8		P					B	
				PID Reading = 0 ppm				
	5					3		
	6	4.0	20.0	Stiff Gray, Moist CLAY		4	1.4	16.9
	7	P				6	B	
	-5			PID Reading = 0 ppm		-25		
	3					4		
	3	1.3	19.8	Stiff Brown, Moist CLAY (fill)		6	1.6	15.1
	4	P				8	B	
				PID Reading = 0 ppm				
	3					4		
	3	1.8	11.1	Very Stiff Gray, Moist CLAY		5	3.3	15.2
	4	P				8	S	
	-10			PID Reading = 0 ppm		-30		
	3							
	4	1.8	21.4					
	4	P						
				PID Reading = 0 ppm				
	3					4		
	4	1.8	13.8	Stiff Brown to Gray CLAY with fine sand		5	2.3	18.7
	5	P				8	P	
	-15			PID Reading = 0 ppm		-35		
	5							
	7	3.9	14.6	Very Stiff Gray, Moist CLAY				
	9	B				6		
				Shelby tubes (18'-20' and 21'-23') Could not recover any material after two trials from 18' to 20' depth				
						7	2.5	18.1
						9	P	
	-20					-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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				Very Stiff Gray, Moist CLAY				
				PID Reading = 0 ppm				
	10					7		
	13	1.4	16.3	Stiff Gray, Moist CLAY		7	2.0	13.9
	19	B				10	P	
	-45			PID Reading = 0 ppm		-65		
	9					10		
	12	2.8	15.5	Very Stiff Gray, Moist CLAY		13	4.7	15.8
	15	P				19	B	
	-50			PID Reading = 0 ppm		-70		
	9					10		
	9	3.0	17.3	Hard Gray, Moist CLAY		17	4.5	14.4
	11	P				23	P	
	-55			PID Reading = 0 ppm		-75		
	9							
	11	3.8	17.1	Very Stiff Gray, Moist CLAY				
	13	B						
	-60			PID Reading = 0 ppm		-80		
				End of Boring				

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)

G:\CHIN\058\Bridges\CADD\Sheets\0162844-D160135-29-BL06.dgn



USER NAME = jrmickow	DESIGNED - JRM	REVISED -
CHECKED - MDS	REVISIONS	
PLOT SCALE = 2:0.0000' = 1" = 10'	DRAWN - DMG	REVISED -
PLOT DATE = 12/5/2012	CHECKED - MDS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 016-2844

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0305	(1920,01,1518,2022&1922,4B)R	COOK	919	479
				CONTRACT NO. 60T35
ILLINOIS FED. AID PROJECT				

SHEET NO. 29 OF 30 SHEETS