

# SOIL BORING LOG

Page 1 of 2

Date 4/9/12

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 D E P T H (ft) B L O W S (/6") U C S (tsf) M O I S T (%)  
Station 714+86.89  
BORING NO. SB-08  
Station 715+33.94  
Offset 32.09ft RT  
Ground Surface Elev. 632.37 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	ELEVATION (ft)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	ELEVATION (ft)
0				Very Stiff Dark Brown to Brown, Moist CLAY (fill)		0				Stiff Gray, Moist CLAY	611.87
4	4	3.0	14.1	PID Reading = 0 ppm		4	5	2.4	15.6		
	4	P					7	B			
				Stiff Brown, Moist CLAY (fill)	629.37						
	4	1.8	16.6	PID Reading = 31 ppm to 20 ppm			3	2.5	16.7		
	4	P					6	B			
				Medium Stiff Brown, Moist CLAY (fill)	626.87						
	4	0.8	17.7	PID Reading = 0 ppm			4	1.4	17.4		
	3	P					6	B			
				Stiff Brown, Moist CLAY (fill)	624.37						
	4	1.8	27.2	Organic Content = 4.7%			4	2.0	16.2		
	4	P					5	P			
				Loose Black, Wet Fine SAND	620.37						
	4		11.0	Gasoline odor PID Reading : 391 ppm			4	2.0	16.0		
				Stiff Brown to Gray, Moist CLAY	618.87						
	3	1.5	15.6	PID Reading = 0 ppm			5	2.0	16.0		
	4	P					7	P			
				Very Stiff Gray, Moist CLAY	616.87						
	4	2.0	16.0	PID Reading = 0 ppm			5	1.9	15.8		
	5						8	B			
				Very Stiff Gray, Moist CLAY	613.87						
	5			PID Reading = 0 ppm			6	2.5	16.2		
	6	1.9	15.8				8	P			
	8	B									

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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DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	ELEVATION (ft)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	ELEVATION (ft)
0				Very Stiff Gray, Moist CLAY		0				Stiff Gray, Moist CLAY	570.37
				PID Reading = 0 ppm (continued)							
				Stiff Brown, Moist CLAY (fill)			3	2.5	16.7		
	4	1.8	16.6	PID Reading = 0 ppm			6	B			
	4	P					10	B	13.4		
				Medium Stiff Brown, Moist CLAY (fill)	626.87						
	3	0.8	17.7	PID Reading = 0 ppm			4	1.4	17.4		
	5	P					6	B			
				Stiff Brown, Moist CLAY (fill)	624.37						
	4	1.8	27.2	Organic Content = 4.7%			4	2.0	16.2		
	4	P					5	P			
				Loose Black, Wet Fine SAND	620.37						
	4		11.0	Gasoline odor PID Reading : 391 ppm			4	2.0	16.0		
				Stiff Brown to Gray, Moist CLAY	618.87						
	3	1.5	15.6	PID Reading = 0 ppm			5	2.0	16.0		
	4	P					7	P			
				Very Stiff Gray, Moist CLAY	616.87						
	4	2.0	16.0	PID Reading = 0 ppm			5	1.9	15.8		
	5						6	2.5	16.2		
	6	1.9	15.8				8	P			
	8	B									

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5/4623 PM - G:\CHIN\058\Bridges\CADD\Sheet\062844-D160135-27-BL.062.dgn



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BORING LOGS**  
**STRUCTURE NO. 016-2844**  
SHEET NO. 27 OF 30 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0305	(1920.01,1518,2022&1922.4B)R	COOK	919	477
				CONTRACT NO. 60T35
				ILLINOIS FED. AID PROJECT