Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Kimmell Court - Suite 204
Naperville, Illinois 60565
(630) 355-1969

SOIL BORING LOG

GSI Job No. 10025
Page 1 of 3
Date 1/11/13

ROUTE FAP 373 (IL 171) DESCRIPTION IL Route 171 from 47th St. to 55th St. LOGGED BY KD

SECTION 2013-038B-R LOCATION NW 1/4, SEC. 13, TWP. T38N, RNG. R12E, 3rd PM

COUNTY Cook DRILLING METHOD HSA/MUD ROTARY HAMMER TYPE CME Automatic

STRUCT. NO. 016-0488
Station 22+90.24

BORING NO. SB-65
Station 24+24
Offset 60.00ft Left
Ground Surface Elev. 627.50 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter Dry to 10.0' ft
Upon Completion n/a ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
3.0" ASPHALT, 14.0" CONCRETE	626.08				
SANDY CLAY LOAM with Gravel-black-medium dense (Fill)	624.50		1		
			4		11
			9		
CLAY LOAM-dark brown & gray-medium stiff to very stiff (Fill)			3		
			3	1.1	20
		-5	4	B	
			3		
			3	1.2	18
			6	B	
			3		
			5	4.9	14
		-10	7	B	
			6		
			6	2.4	16
			8	S	
			3		
			4	1.2	21
		-15	4	B	
			3		
			5	1.4	20
			6	B	
			2		
			4	1.2	18
		-20	6	B	

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-dark brown & gray-medium stiff to very stiff (Fill) *(continued)*				
		3		
		4	1.3	18
		7	B	
		6		
		11	0.8	29
	-25	8	S	
		2		
		5	1.6	16
		5	B	
		7		
		7	2.3	23
	-30	39	P	
		6		
		6	1.5	23
	-35	7	B	
		5		
		6	2.1	18
	-40	8	S	

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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First Encounter Dry to 10.0' ft
Upon Completion n/a ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-dark brown & gray-medium stiff to very stiff (Fill) *(continued)*					
			4		
			8	1.4	22
		-45	11	B	
CLAY LOAM-gray-very stiff to hard	581.50				
			20		
			19	4.2	11
		-50	26	B	
			13		
			50/5"	2.3	13
		-55		B	
			11		
			16	5.5	13
		-60	23	B	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM-gray-very stiff to hard *(continued)*	565.50				
SILTY CLAY LOAM-gray-dense	560.50		9		
			13	1.0	21
		-65	18	B	
CLAY LOAM-gray-hard	555.50		11		
			17	8.1	10
		-70	26	B	
SILTY LOAM-gray-dense	550.50		20		
			25		21
		-75	25		
SILTY CLAY LOAM-gray-dense			18		
			22	10.0	14
		-80	28	S	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM-gray-dense *(continued)*	544.50				
Drillers Observation: Apparent bedrock	544.00				
Borehole continued with rock coring.		-85			
		-90			
		-95			
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Z:\PROJECTS\2010\10025 BENESCH, L-171 FIRST AVE. (IDOT PTB 154, ITEM 14)\10025 BORING LOGS\10025_LOG.GPJ 6/7/13

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10093

FILE NAME = 016-0488-60J16-035-Soil Boring Logs 5 of 6.dgn	USER NAME = tjanicke	DESIGNED - CMK	REVISED -
		CHECKED - JAW	REVISED -
	PLOT SCALE =	DRAWN - CMK	REVISED -
	PLOT DATE = 12/20/2013	CHECKED - JAW	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (5 OF 6)
STRUCTURE NO. 016-0488

SHEET NO. SH35 OF SH36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2013-038B-R	COOK	821	773
		CONTRACT NO. 60J16		
		ILLINOIS FED. AID PROJECT		

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6/23/2014