OBA
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SOIL BORING LOG

PAGE 1 of 1
DATE August 17, 2011
LOGGED BY JW
OBA JOB No. 11585

ROUTE Mannheim Road
DESCRIPTION I-190 Collector-Culvert
SECTION Sectionxx
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Rotary Mud
HAMMER TYPE CME Automatic

STRUCT. NO. xx
Station xx
BORING NO. CB-04
Station 140+70
Offset 150.2 ft Right
Ground Surface Elev. 635.6 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.0" TOPSOIL FILL	634.8				
CLAY-brown & gray- very stiff to hard (A-6)			5		
			6 9	3.75P	19
			5		112
		-5	7 11	3.8B	19
			3		113
			4 10	3.8B	18
			8		118
		-10	18 18	4.5B	16
	624.6				
CLAY-gray- hard (A-6)			5		111
			9 13	4.5B	19
	621.6		7		114
LOAM-gray- medium dense (A-2)		-15	9 12	NP	18
			7		109
			7 7	NP	20
	617.1				
CLAY-gray- stiff to very stiff (A-6)			5		
		-20	5 8	1.0P	17
CLAY-gray- stiff to very stiff (A-6)			5		117
			9 11	2.6B	16
			6		113
sandy		-25	11 13	3.4B	17
	609.6		20		
SANDY LOAM-gray- medium to very dense (A-2)			29 30	NP	19
			18		
		-30	27 33		NR
			11		116
		-35	8 9	NP	17
	598.6				
SILTY CLAY-gray- hard (A-6)			11		
End of Boring @ -40'					
4.0' Hollow Stem to -5.0'					
Rotary Drilling Started at -5.0'					
CME Automatic Hammer	595.6	-40	24 37	4.5+P	12

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) NP=Non-Plastic VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery LL=Liquid Limit PL=Plastic Limit PI=Plasticity Index