



Illinois Department of Transportation  
Division of Highways  
District 6

# SOIL BORING LOG

Page 1 of 1

Date 5/14/13

ROUTE Wabash Ave DESCRIPTION Mast Arm located at Mercantile Dr and Wabash Ave LOGGED BY M. Tappan

SECTION 21(W-3, TS-1, RS-7) LOCATION Springfield, SEC., TWP., RNG., PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/ft)	U C S Qu (tsf)	M O I S T (%)	Soil Description				D E P T H (ft)	B L O W S (/ft)	U C S Qu (tsf)	M O I S T (%)
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter				
					Surface Water Elev. <u>N/A</u> ft							
					Stream Bed Elev. <u>N/A</u> ft							
BORING NO. <u>10 NW Corner</u> Station <u>452+46</u> Offset <u>47.0ft LT</u> Ground Surface Elev. <u>609.0</u> ft					Groundwater Elev.:							
					First Encounter <u>595.0</u> ft							
					Upon Completion <u>592.0</u> ft							
					After 48 Hrs. <u>605.0</u> ft							
Dk Gray Moist SILTY CLAY (Disturbed)		1			Brwon and Gray Moist SILTY CLAY (Till) (continued)							
		2	1.3	14								
		3	B									
606.00					586.50							
Brown and Gray Moist SILTY CLAY		2			Gray and Brown Moist CLAY LOAM (Till)							
		3	1.4	26								
		5	B									
603.50												
Tan and Lt Gray Moist SILTY CLAY LOAM		1										
		2	0.9	30								
		2	B									
601.00												
Tan and Lt Gray Moist SILT		1										
		3	1.4	28	Gray							
		4	B									
598.50					579.00							
Brown and Gray V. Moist SILTY CLAY LOAM		0			Boring Complete							
		1	0.7	26								
		2	B									
596.00												
Brown and Gray V. Moist SILTY CLAY FREE WATER		0										
		1	0.7	28								
		2	B									
593.00												
Brwon and Gray Moist SILTY CLAY (Till)		0										
		0	0.8	27								
		2	B									
		0										
		2	1.1	28								
		2	B									
		20										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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)

File Name S:\SOILS\GINT FILES\SANGAMON\MAST ARM AT WABASH AND S. KOKE MILL.GPJ Data Template D6TEMP.LT.GDT Date Printed 5/22/13 Latitude 39.045394N Longitude 89.043511W Datum NAD83 Job Number D96-525-04



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STRUCT. NO. Station	D E P T H (ft)	B L O W S (/ft)	U C S Qu (tsf)	M O I S T (%)	Soil Description				D E P T H (ft)	B L O W S (/ft)	U C S Qu (tsf)	M O I S T (%)
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter				
					Surface Water Elev. <u>N/A</u> ft							
					Stream Bed Elev. <u>N/A</u> ft							
BORING NO. <u>12 SE Corner</u> Station <u>454+38</u> Offset <u>75.0ft RT</u> Ground Surface Elev. <u>606.9</u> ft					Groundwater Elev.:							
					First Encounter <u>592.9</u> ft							
					Upon Completion <u>591.4</u> ft							
					After 24 Hrs. <u>602.9</u> ft							
Dk Gray Moist SILTY CLAY (Disturbed)		1			Lt Blue Gray Moist SILTY CLAY (Till) (continued)							
		2	1.1	24								
		2	B		Brown and Lt Blue Gray							
601.40					583.90							
Black		1			Gray and Olive Brown Moist CLAY LOAM (Till)							
		4	2.2	28								
		5	B									
601.40												
Tan and Lt Gray V. Moist SILT		2										
		1	0.7	27								
		2	S-12									
		1										
		2	0.7	27	Gray							
		36	B									
595.40					576.90							
Brown and Gray V. Moist SILTY CLAY LOAM		1	0.9	29	Boring Complete							
		2	B									
593.40												
Brown and Gray V. Moist SILTY CLAY FREE WATER		0										
		0	0.5	28								
		1	B									
588.90												
Lt Blue Gray Moist SILTY CLAY (Till)		0										
		1	0.9	27								
		1	B									
		20										

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