Illinois Department of Transportation
Division of Highways
District 5

SOIL BORING LOG

Date 4/30/13

ROUTE Wabash Ave DESCRIPTION Mast Arm at Ash Grove 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 _____

BORING NO. 3 SW Corner
Station 390+49
Offset 75.0ft LT
Ground Surface Elev. 613.2 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
▽ First Encounter 601.7 ft
▽ Upon Completion 610.7 ft
▼ After 13 days Hrs. 611.2 ft

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black to Brown and V. Dk Gray Moist SILTY CLAY			
	0		
	3	1.4	35
▼	3	B	
610.20			
Gray and Lt Brown V. Moist SILTY CLAY LOAM			
	1		
	1	0.5	32
-5	2	B	
607.20			
Tana nd Lt Gray Moist SILT			
	1		
	2	1.0	26
	3	B	
604.20			
Gray and Brown Moist SILTY CLAY LOAM	2	0.9	22
-10	2	B	
602.70			
Gray and BrownMoist SILTY CLAY	0		
FREE WATER ▽	0	0.4	29
	1	B	
599.70			
Gray and Brown V. Moist SILTY CLAY (Till)	0		
	0	0.6	28
-15	2	B	
	0		
Moist	3	1.7	23
	4	B	
595.20			
Gray and Brown Moist CLAY LOAM (Till)	0		
	3	2.0	18
-20	3	B	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray and Brown Moist CLAY LOAM (Till) *(continued)*			
	3		
	15	8.8	11
	22	S-11	
589.70			
Gray and Brown Moist LOAM to SAND LOAM (Till)	3		
	22	2.2	13
-25	30	S-7	
	5		
	23	3.0	14
583.20 -30	36	S-5	
Boring Complete			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, 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 D6TEMPLT.GDT Date Printed 5/22/13
Latitude 39D 45.258N Longitude 89D 44.619W Datum NAD83 Job Number D95-323-04

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 5/1/13

ROUTE Wabash Ave DESCRIPTION Mast Arm at Ash Grove 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 _____

BORING NO. 5 NE Corner
Station 395+41
Offset 48.0ft RT
Ground Surface Elev. 614.6 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
▽ First Encounter 598.1 ft
▽ Upon Completion 600.1 ft
▼ After 12 days Hrs. 610.6 ft

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black Moist SILTY CLAY			
	1		
	4	1.8	23
	5	B	
	2		
▼	3	1.9	33
Black to Brown and Gray	4	B	
-5			
609.10			
Tan and Lt Gray Moist SILT LOAM	2		
	3	1.0	26
	3	B	
606.60			
Tan and Lt Gray SILT	1		
	3	1.6	25
-10	4	B	
604.10			
Tan and Lt Gray V. Moist SILTY CLAY	0		
	1	0.5	25
	2	B	
	0		
Moist ▽	1	0.7	26
-15	2	B	
599.10			
Gray and Brown Moist SILTY CLAY (Till)	0		
FREE WATER ▽	2	1.4	28
	2	B	
	0		
	3	1.4	18
-20	4	B	

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
594.10			
Brown Moist CLAY LOAM (Till)	2		
	9	6.4	11
	29	B	
	3		
	15	10.3	11
-25	17	S-12	
	3		
	17	11.2	10
584.60 -30	27	S-13	
Boring Complete			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, 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 D6TEMPLT.GDT Date Printed 5/22/13
Latitude 39D 45.258N Longitude 89D 44.477W Datum NAD83 Job Number D96-228-04

FILE NAME = c:\pw_work\pwidot\sparksgw\d0216203\Wabash Soil Boring Logs.dgn	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -			8012	21(W-3, TS-1, RS-7)	SANGAMON	679	373
	PLOT DATE = Feb-04-2014 01:46:19PM	CHECKED -	REVISED -					CONTRACT NO. 72890		
Default		DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		