

NOBLE		BORING No. B-1					water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 1 of 2		1st encounter: 8'				
Client: Clay County Highway Dept.		Weather: overcast		Temperature: low 50's		water level reading				
Driller: Noble Engineering Consultants		Date Start: 3-08-11		Surface Elevation: Bridge Deck		@completion 6' @ 17hrs				
Location: Structure #3123 Stanford		Date Finished: 3-08-11		Driller: Eric Seals		Backfill: Soil cuttings				
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
1										-2
2	SS-1	1.0'-2.5'	6	2-2-4	30	0.5	0.0'-6.5' silt, clay, sand, etc POSSIBLE FILL	25.6	FILL	-3
3										-4
4	SS-2	3.5'-5.0'	6	2-3-3	30	0.5		20.8	FILL	-5
5										-6
6	SS-3	6.0'-7.5'	3	2-1-2	100	-	6.5'-9.0' SILTY FINE SAND, wet, very loose, brown	25.9	SM	-7
7										-8
8										-9
9	SS-4	8.5'-10.0'	11	1-5-6	100	1.25	9.0'-19.0' SILTY CLAY, trace to some sand, trace to some gravel, stiff to medium, brown	16.5	CL	-10
10										-11
11										-12
12										-13
13										-14
14	SS-5	13.5'-15.0'	9	3-5-4	100	0.5		31.9	CL	-15
15										-16
16										-17
17										-18
18										-19
19	SS-6	18.5'-20.0'	19	5-7-12	100	1.75	19.0'-49.0' CLAY, trace to some sand, trace to some gravel, stiff to medium, gray	17.5	CH	-20
20										-21
21										-22
22										-23
23										-24
24	SS-7	23.5'-25.0'	21	5-9-12	100	1.25		19	CH	-25
25										-26
26										-27
27										-28
28										-29
29										-30
30	SS-8	28.5'-30.0'	19	5-8-11	100	1.0		21.5	CH	-31
Drilling Method: HSA (2-1/4" ID)		comments		* Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder						
Depth: 0' to 50'		comments		** ground surface elevation at boring location is estimated and is not surveyed						
Drill Rig: Mobile B-47		comments								
Sampling: split-spoon (SS)		comments								

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31										-32
32										-33
33										-34
34	SS-9	33.5'-35.0'	10	3-5-5	100	0.75	19.0'-49.0' CLAY, trace to some sand, trace to some gravel, stiff to medium, gray	23.8	CH	-35
35										-36
36										-37
37										-38
38										-39
39	SS-10	38.5'-40.0'	8	3-3-5	100	0.75		24.3	CH	-40
40										-41
41										-42
42										-43
43										-44
44	SS-11	43.5'-45.0'	12	2-6-6	100	1.0		21.9	CH	-45
45										-46
46										-47
47										-48
48										-49
49	SS-12	48.5'-50.0'	134+	8-34-100/3"	100	-	49.0'-49.8' HIGHLY WEATHERED SHALE	9		-50
50										-51
EOB 49.8'										
Drilling Method: HSA (2-1/4" ID)		comments		* Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder						
Depth: 0' to 49.8'		comments		** ground surface elevation at boring location is estimated and is not surveyed						
Drill Rig: Mobile B-47		comments								
Sampling: split-spoon (SS)		comments								

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