

NOBLE		BORING No. B-1					water level reading			
ENGINEERING CONSULTANTS		County: Richland, IL		Sheet No. 1 of 1		1st encounter: 28'				
Client: Richland County Highway Dept.		Weather: Overcast		Temperature: low 80's		water level reading				
Driller: Noble Engineering Consultants		Date Start: 7-02-12		Surface Elevation: 100		@completion wet cave				
Location: Structure #080-3016		Date Finished: 7-02-12		Driller: Tony Schocker		Backfill: Soil cuttings				
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class	Elev.
1										432
2	SS-1	1.0'-2.5'	6	4-3-3	50	-	0.0'-5.0' silt, clay, sand, etc FILL	9.2	FILL	431
3										430
4	SS-2	3.5'-5.0'	19	3-10-9	80	-		15.7	CL	429
5										428
6	SS-3	6.0'-7.5'	27	8-12-15	100	-	5.0'-8.0' SANDY SILT, trace gravel, moist, medium dense, brown with occ. gray mottling	14.4	CL	427
7										426
8										425
9	SS-4	8.5'-10.0'	7	3-3-4	100	-	9.0'-13.0' SILTY FINE SAND, trace gravel, loose, moist, gray	13.9	CL	424
10										423
11										422
12										421
13										420
14	SS-5	13.5'-15.0'	3	1-2-1	100	0.5	13.0'-18.0' SILTY CLAY, trace to some sand, medium, gray	-	CL	419
15										418
16										417
17										416
18										415
19	SS-6	18.5'-20.0'	SS	16-26-29	100	4.5+	18.0'-29.0' CLAYEY SILT (III), trace to some sand, trace gravel, hard, gray	-	CL	414
20										413
21										412
22										411
23										410
24	SS-7	23.5'-25.0'	58	15-24-34	100	4.5+		24.2	SM	409
25										408
26										407
27										406
28										405
29										404
30	SS-8	28.5'-30.0'	55	22-24-31	100	-	29.0'-34.2' SILTY FINE TO COARSE SAND, tr. gravel, very dense, saturated, gray	10.5	SM	403
Drilling Method: HSA (3-3/4" ID)		comments		* Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder						
Depth: 0' to 34.2'		comments		** ground surface elevation at boring location is estimated and is not surveyed						
Drill Rig: Mobile B-47		comments		and is based on bridge deck elevation of 100						
Sampling: split-spoon (SS)		comments								

NOBLE		BORING No. B-1					water level reading			
ENGINEERING CONSULTANTS		County: Richland, IL		Sheet No. 2 of 2		1st encounter: 28'				
Client: Richland County Highway Dept.		Weather: Sunny		Temperature: low 80's		water level reading				
Driller: Noble Engineering Consultants		Date Start: 7-02-12		Surface Elevation: 100		@completion wet cave				
Location: Structure #080-3016		Date Finished: 7-02-12		Driller: Tony Schocker		Backfill: Soil Cuttings				
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class	Elev.**
31										402
32										401
33										400
34	SS-9	33.5'-35.0'	100+	78-100/1*	100	-	29.0'-34.2' SILTY FINE TO COARSE SAND, tr. gravel, very dense, saturated, gray	20.8	CL	399
35							AR 34.2'			398
36							EOB 34.2'			
37										
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39										
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50										
Drilling Method: HSA (3-3/4" ID)		comments		* Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder						
Depth: 0' to 34.2'		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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