

NOBLE		BORING No. B-2		water level reading						
ENGINEERING CONSULTANTS		County: Jasper, IL	Sheet No. 1 of 2	1st encounter: 18'						
Client: Jasper County Highway Dept.		Weather: overcast	Temperature: low 50's	water level reading						
Driller: Noble Engineering Consultants		Date Start: 4-20-11	Surface Elevation: 485**	@completion	wet cave 12'					
Location: Structure #040-6000		Date Finished: 4-20-11	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										484
2	SS-1	1.0'-2.5'	5	4-2-3	100		0.0'-6.5' silt, clay, sand, etc FILL	11.0	FILL	483
3										482
4	SS-2	3.5'-5.0'	5	3-3-2	100			18.8	FILL	481
5										480
6	SS-3	6.0'-7.5'	2	1-1-1	100		6.5'-13.0' SILT, and sand, saturated, very loose, gray	18.0	ML	479
7										478
8										477
9	SS-4	8.5'-10.0'	2	1-1-1	100			22.0	ML	476
10										475
11										474
12										473
13										472
14	SS-5	13.5'-15.0'	4	3-2-2	100		13.0'-23.0' SILTY FINE TO COARSE SAND, trace to some gravel, very loose to medium dense, saturated, gray	18.2	SP	471
15										470
16										469
17							Heaving sands encountered at 18'			468
18										467
19	SS-6	18.5'-20.0'	14	7-6-8	10				SP	465
20										465
21										464
22										463
23										462
24	SS-7	23.5'-25.0'	15	7-7-8	90		23.0'-36.0' SANDY SILT, trace gravel, medium dense to dense, saturated, gray	18.8	SM	461
25										460
26										459
27										458
28										457
29										456
30	SS-8	28.5'-30.0'	17	5-7-12	100			19.2	SM	455
Drilling Method: HSA (2-1/4" IS)		Depth: 0' to 33.5'		Drill Rig: Mobile B-47		Sampling: split- spoon (SS)		comments: * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder ** ground surface elevation at boring location is estimated and is not surveyed and is based on bridge deck elevation of 485.23		

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ENGINEERING CONSULTANTS		County: Jasper, IL	Sheet No. 2 of 2	1st encounter: 18'						
Client: Jasper County Highway Dept.		Weather: Overcast	Temperature: low 50's	water level reading						
Driller: Noble Engineering Consultants		Date Start: 4-20-11	Surface Elevation: 485**	@completion	wet cave 12'					
Location: Structure #040-6000		Date Finished: 4-20-11	Driller: Eric Seals	Backfill:	Soil Cuttings					
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	W %	USC Class.	Elev.**
21										454
22										453
23										452
24	SS-9	33.5'-35.0'	37	10-15-22	20		23.0'-36.0' SANDY SILT, trace gravel, medium dense to dense, saturated, gray	12.4	SM	451
25										450
26										449
27										448
28										447
29	SS-10	38.5'-40.0'	100+	26-32-100/5	100	4.51	38.0'-39.5' VERY SILTY SILT (CL) trace to some sand, trace gravel, hard, gray	12.3	CL-ML	446
30							END OF B			445
Drilling Method: HSA (2-1/4" IS)		Depth: 0' to 39.5'		Drill Rig: Mobile B-47		Sampling: split- spoon (SS)		comments: * Qp test is an estimate of the unconfined compressive strength performed by a compact calibrated spring loaded cylinder ** ground surface elevation at boring location is estimated and is not surveyed and is based on bridge deck elevation of 485.23		