NOBLE — ENGINEERING CONSULTANTS

BORING No. B-2

Client: Richland County Highway Dept.	County: Richland, IL	Sheet No. 1 of 2	water level reading
Driller: Noble Engineering Consultants	Weather: Sunny	Temperature:low 90's	1st encounter: 18'
Location: Structure #080-3016	Date Start: 7-03-12	Surface Elevation: 100	water level reading
	Date Finished: 7-03-12	Driller: Tony Schocker	@completion: wet cave
			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'	100+	3-39-100/5"	70	-	0.0'-6.0' silt, clay, sand, concret at 2', etc FILL	-	FILL	431
3										430
4	SS-2	3.5'-5.0'	3	1-2-1	70	-		24.4	FILL	429
5										428
6	SS-3	6.0'-7.5'	14	2-6-8	100	-	6.0'-14.0' SANDY SILT, trace gravel, silty fine sand seam at 13.5', moist, medium	16.9	SM	427
7							dense, brown with occ. gray mottling			426
8										425
9	SS-4	8.5'-10.0'	13	2-5-8	100	-		15.2	SM	424
10										423
11										422
12										421
13										420
14	SS-5	13.5'-15.0'	3	1-2-1	100	0.5	14.0'-18.0' SILTY CLAY, trace to some sand, medium, gray	22.5	CL	419
15										418
16										417
17										416
18										415
19	SS-6	18.5'-20.0'	26	5-9-17	100	4.25	18.0'-29.0' CLAYEY SILT (till), trace to some sand, trace gravel, hard, gray	21.6	CL-ML	414
20										413
21										412
22										411
23										410
24	SS-7	23.5'-25.0'	69	15-27-42	100	4.5+		10.4	CL-ML	409
25										408
26										407
27										406
28										405
29										404
30	SS-8	28.5'-30.0'	57	18-28-29	100	-	29.0'-35' SILTY FINE TO COARSE SAND, tr. gravel, very dense, saturated, gray	10.5	SM	403

Drilling Method: HSA (3-3/4" id)
Depth: 0' to 35'
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 100

NOBLE — ENGINEERING CONSULTANTS

BORING No. B-2

Client: Richland County Highway Dept	County: Richland, IL	Sheet No. 2 of 2	1st encounter: 18'
Driller: Noble Engineering Consultants	Weather: Sunny	Temperature: 90's	water level reading
Location: Structure #080-3016	Date Start: 7-03-12	Surface Elevation: 100	@completion: wet cave
	Date Finished: 7-03-12	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+	22-89-100/1"	100	-	29.0'-35' SILTY FINE TO COARSE SAND, tr. gravel, very dense, saturated, gray	-	CL	399
35							AR 35'			398
36							EOB 35'			
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										

Drilling Method: HSA (3-3/4" id)
Depth: 0' to 35'
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

B-2

FILE NAME = $FILEL$	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS RICHLAND COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 080-3221
HAMPTON, LENZINI AND RENWICK, INC. 3995 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM 184.000859		CHECKED - S.W.M.	REVISED -		SHEET NO. 9 OF 9 SHEETS
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		
	PLOT DATE = $DATE$	CHECKED - D.A.B.	REVISED -		

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1722	11-00118-00-BR	RICHLAND	16	13
		CONTRACT NO. 95705		
		ILLINOIS FED. AID PROJECT		