

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB-1

SB-1

PAGE 1 of 2
DATE April 27, 2004
LOGGED BY TOB
OBA JOB No. 03356

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1229 S. JAMES ST., JOLIET, ILL. 61795
(815) 738-4444 FAX (815) 738-2376

SOIL BORING LOG

ROUTE FAP Rt. 330 DESCRIPTION Moffett Road Bridge Over Un-Named Ravine
SECTION I28 R-2 LOCATION Lake Bluff, Illinois
COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE D-120 Safety

STRUCT. NO. 049-6801 Station 137+50.47 to 183+60.80
BORING NO. SB-1 Station: 137+30
Offset: 6' Left
Ground Surface Elev. 663.7

Surface Water Elev. 632.2
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 620.7
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0-6				0-5			
6-4				4-8			
4-5	1.25P	15		8-11	2.4B	16	
5-4				11-6			11.3
4-6				6-10			
6-5	1.5P	13		10-12	2.8B	16	
5-10				12-7			
10-12	3.2B	16		7-8			
5-8			11.6	8-12	1.5B	16	
8-10				12-5			11.3
10-8				5-8			
10-10	3.1B	15		8-10			
4-8				10-10	3.1B	15	
8-9	2.0B	15		10-5			11.6
5-8			11.4	5-8			
8-12	2.1B	15		8-15			
15-5				15-15	5.4B	14	
5-8				15-20			
8-10	1.4B	16		20-15	2.1B	15	
5-7			11.1	15-5			11.1
7-10				5-7			
10-8	1.9B	16		7-10			
20-4				10-7			
				7-10	4.3B	17	
				10-8	1.9B	16	

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4-8				8-10			
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5-8			11.4	10-5			11.6
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15-5				8-15			
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8-10	1.4B	16		15-20			
5-7			11.1	20-15	2.1B	15	
7-10				15-5			11.1
10-8	1.9B	16		5-7			
20-4				7-10			
				10-7	4.3B	17	
				10-8	1.9B	16	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

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NR-No Recovery

TYLIN INTERNATIONAL

DESIGNED	- DE
CHECKED	- SP
DRAWN	- DE
CHECKED	- PF

DATE: 02-23-2005

BORING LOGS

MOFFETT ROAD OVER
DRAINAGE RAVINE
FAU 2758
LAKE COUNTY
S.N. 049-6803