

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB-1

SB-1

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
229 S. DAVIS ST., AURORA, ILL. 60009
(847)398-1144 • FAX (847) 398-2376

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

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 Surface Water Elev. 632.2
Station 137+50.47 to 183+60.80 Stream Bed Elev. n/a
BORING NO. SB-1 Groundwater Elevation:
Station: 137+30 First Encounter 620.7 ▼
Offset: 6' Left Upon Completion Dry ▼
Ground Surface Elev. 663.7 After _____ Hrs. _____ ▼

DEPTH (ft)	BLOW COUNT (blows/6")	UNCONSOLIDATED SOIL TEST (tsf) (%)	DEPTH (ft)	BLOW COUNT (blows/6")	UNCONSOLIDATED SOIL TEST (tsf) (%)
0-6			0-5		
6-4			5-8		
4-5	1.25P	15	8-11	2.4B	16
5-4			11-6		11.3
6-6			6-10		
6-7	1.5P	13	10-12	2.8B	16
7-5			12-25		
5-10			25-7		
10-12	3.2B	16	7-8		
12-5		11.6	8-10		
5-8			10-12	1.5B	16
8-10	3.1B	15	12-6		11.3
10-10			6-8		
10-9	2.0B	15	8-10	3.1B	15
9-5		11.4	10-10		
5-8			10-15	2.1B	15
8-15			15-15		
15-12	2.1B	15	15-20	5.4B	14
12-5			20-5		
5-8			5-10	1.4B	16
8-10	1.4B	16	10-5		
10-5			5-7		11.1
5-7			7-10		
7-8	1.9B	16	10-20		
8-20			20-40	4.3B	17

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10-12	3.2B	16	7-8		
12-5		11.6	8-10		11.3
5-8			10-12	1.5B	16
8-10	3.1B	15	12-6		11.3
10-10			6-8		
10-9	2.0B	15	8-10	3.1B	15
9-5		11.4	10-10		
5-8			10-15		
8-15			15-15		
15-12	2.1B	15	15-20	5.4B	14
12-5			20-5		
5-8			5-10	1.4B	16
8-10	1.4B	16	10-5		
10-5			5-7		11.1
5-7			7-10		
7-8	1.9B	16	10-20		
8-20			20-40	4.3B	17

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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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