

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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SOIL BORING LOG

Geotechnical, Environmental & Civil Engineering  
805 Amherst Court, Suite 204  
Naperville, Illinois 60565  
(630) 895-2888

DATE 9/15/2004  
LOGGED BY TOB  
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass  
TWNShP Gurnee LOCATION TWP 44 N, R 6E on the south boundary of Sec 28  
COUNTY Lake DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. SN 049-W038  
Station \_\_\_\_\_  
BORING NO. Q-2  
Station 401+89.0 Ramp D Baseline  
Offset 14.3' Left  
Ground Surface Elev. 699.0

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)
698.0							
16				4			115
8				5			
11	4.5P	18		11	2.7B	17	
12				2			113
6				3			
-5	8 4.5P	20		-25	4 1.1B	18	
693.0							
8			96	4			107
5				6			
6	4.4B	19		8	1.1B	22	
690.5							
11				4			103
2				4			
-10	2 0.5P	17		-30	5 1.9B	24	
688.0							
4			108				
7							
12	4.4B	21					
6				9			670.0
10				9			
-15	12 4.4B	22		-35	13 NP	10	
682.5							
7							
9							
10	2.0P	13					
680.5							661.0
7				7			120
8				12			
-20	11 2.7B	19		-40	16 3.5B	15	

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Ground Surface Elev. 699.0

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)
655.0							
12				7			
10				17			
-45	12 NP	10		-65	27 -	10	
632.0							
9				17			
21				17			
-50	18	NR		-70	18 NP	19	
646.0							
7				17			
12				24			
-55	16 3.5B	14		624.0	-75	24 NP	8
624.0							
9							
9							
-60	9 2.25P	16		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample  
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 (%)

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TYLIN INTERNATIONAL

DESIGNED	- MAF
CHECKED	- AD
DRAWN	- MAF
CHECKED	- AD

BORING LOG Q-2

FAP 346 (U.S. ROUTE 41 - SKOKIE  
HIGHWAY) OVER ILLINOIS ROUTE 132  
SECTION 125X-HB-(1&2)R-1  
LAKE COUNTY  
S.N. 049-W038