

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	21
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT # 60826	

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 255-1236

PAGE 1 of 2
DATE 10/18/2004
LOGGED BY TOB
GSI JOB No. 0314

SOIL BORING LOG

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TWNESHIP 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-W036
Station
BORING NO. 0-5
Station 540+91.5 US 41 Centerline
Offset 48.75' Right
Ground Surface Elev. 687.3

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a				DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)
				Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter n/a	Upon Completion n/a				
686.3											
682.4	3	1.0P	23					3	1.3B	24	
681.3	2							3		110	
	5							5			
	-5	1.0P	25					-25	1.75B	25	
	3		99					2			
	5							4			
	8	1.1B	26					7	2.0P	19	
	3		110					5		115	
	5							8			
	-10	2.7B	20					-30	2.5P	15	
	3		106								
	3										
	4	1.75B	21								
	6		122					5		132	
	12							8			
	-15	2.0	4.4B	16				-35	2.75P	13	
	7		116								
	15										
	20	4.8B	17								
668.8											
	5		120					5		128	
	10							11			
	-20	1.5	2.7B	18				-40	2.25P	18	

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				Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter n/a	Upon Completion n/a				
624.3											
624.3											
622.3	9	3.0	30					19			
	-45	1.5	4.0P	13				65	2.5	NP	9
	2		99								
	4		108								
	11										
	-50	1.2	3.0P	18				-70			
633.8											
	6										
	10										
	-55	2.3	NP	15				-75			
630.3											
	21										
	24										
	-60	2.1	NP	20				-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	- SNB
CHECKED	- AD
DRAWN	- SNB
CHECKED	- AD

BORING LOG 0-5

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132 SECTION 125X-HB-(1&2)R-1 LAKE COUNTY S.N. 049-W036