

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	12
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	16 SHEETS

• 125X-HB-(1&2) R-1 CONTRACT # 60826

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 255-2234

PAGE 1 of 2
DATE 10/13/2004
LOGGED BY TOB
GSI JOB No. 0314

SOIL BORING LOG

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TOWNSHIP 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-W033
Station _____
BORING NO. L-1
Station 527+89.9 US 41 Centerline
Offset 41.75' Left
Ground Surface Elev. 699.2

DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	Groundwater Elevation:	DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)
0						First Encounter n/a	0			
0						Upon Completion n/a	0			
0						After _____ Hrs.	0			
698.2										
4							6			114
5							9			
8	3.5P	14					15	3.5B	18	
8			122				3			111
6							4			
-5	7	2.1B	14				-25	7	1.5P	19
693.2										
7			110				4			102
8							4			
10	6.2B	19					6	0.9B	24	
10			116				4			103
10							6			
-10	10	5.5B	17				-30	6	1.8B	24
7			108							
6										
9	2.7B	21								
686.2										
3			106				5			
4							6			
-15	4	1.0B	22				-35	7	1.5P	20
3			108							
4										
6	1.3P	20								
3			118				4			
13							6			
-20	28	3.5P	16				-40	11	3.0P	12

CLAY LOAM-brown & gray-very stiff (A-6) Fill
CLAY-gray-medium stiff to very stiff (A-6)
CLAY-brown-very stiff to hard (A-6)
CLAY-gray-stiff to very stiff (A-6)

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0						First Encounter n/a	0				
0						Upon Completion n/a	0				
0						After _____ Hrs.	0				
698.2											
636.2											
5							19				
3			22				-65	18	NP	15	
-45	2	1.0P	24								
631.2											
7			128				15				
8							29				
-50	10	2.8B	12				629.2	-70	35	NP	14
545.2											
11											
35											
-55	33	NP	12				-75				
641.2											
7											
13											
-60	16	NP	13				-80				

CLAY LOAM-gray-hard (A-4/A-6)
CLAY-gray-medium stiff to very stiff (A-6)
SILTY LOAM-gray-very dense (A-4)
SANDY LOAM-gray-very dense (A-2-6)
SILTY LOAM-gray-very dense (A-4)
CLAY LOAM-gray-hard (A-4/A-6)

End of Boring @ -70.0'
Hollow Stem Augers to -10.0'
Rotary Drilling to Completion
D-120 Safety Hammer

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 L-1

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132 SECTION 125X-HB-(1&2)R-1 LAKE COUNTY S.N. 049-W033