

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	JOB #	SHEET NO.	SHEET NO. - 14
346	*	LAKE	469	264	15 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

• 125X-HB-(1&2) R-1 CONTRACT # 60826

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

PAGE 1 of 3
DATE August 2-4, 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 Rotary HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. SN 049-0209
Station _____
BORING NO. B-1
Station 529+94.5 US 41 Centerline
Offset 37.05' Right
Ground Surface Elev. 698.8

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 (%)
4						First Encounter n/a	8			128
5						Upon Completion n/a	6			12
6	0.75P	15				After _____ Hrs.	13	2.5B		
694.3							4			125
4							5			
3							9	2.7B		13
-5	1.0P	13					8			
5							8			NR
10	3.0B	10					5			
7							6			
10							8			15
-10	4.1B	12								
687.8										
9										
12										
18	5.5B	12								
10							11			
15							5			
-15							4	NP		15
4										
8										
18	3.7B	12								
7										
10										
-20	1.9B	10					8			132
							9			
							12	3.7B		10

SILTY CLAY LOAM- dark brown to brown- medium stiff to stiff (A-6)
CLAY-gray- very stiff to hard (A-6)
CLAY-brown & gray- very stiff to hard (A-6)
CLAY-gray- very stiff to hard (A-6)
SANDY LOAM-gray-loose (A-2)
CLAY-gray-very stiff (A-6)

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						First Encounter n/a				
						Upon Completion n/a				
						After _____ Hrs.				
655.3							8			121
8							12			
653.8							19	NP		15
-45							15	2.8B		
5							8			
8							8			NR
10							5			
7							6			
10							8			133
-10							11			
629.8							19	5.3B		10
5							18	NP		15
6										
625.3										
14							14			
14							16	NP		15
-75										
6										
11										
15										
-55										
640.3										
11										
16										
-60										
619.3										
12										
-80										

CLAY-gray-very stiff (A-6)
SANDY CLAY LOAM-gray- medium dense (A-2-6)
CLAY-gray-very stiff (A-6)
CLAY-gray- very stiff to hard (A-6)
Fine SAND-gray-medium dense (A-3)
SAND & GRAVEL-gray- medium dense to dense (A-1)
SILTY LOAM-gray-dense (A-4)
CLAY-gray-stiff to very stiff (A-6)

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. (%)

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. (%)

TYLIN INTERNATIONAL

DESIGNED	- SNB
CHECKED	- AD
DRAWN	- SNB
CHECKED	- AD

BORING LOG B-1
(1 OF 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-W032