

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	298
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	17 SHEETS
125X-HB-(1&2) R-1		CONTRACT # 60826		

Geo Services, Inc.  
Geotechnical, Environmental & Civil Engineering  
805 Amherst Court, Suite 204  
Naperville, Illinois 60565  
(630) 355-1236

PAGE 1 of 2  
DATE 10/25/2004  
LOGGED BY CS  
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 CME-75 Auto Hammer

STRUCT. NO. SN 049-W034  
Station \_\_\_\_\_  
BORING NO. M-6  
Station 213+54.2 Ramp B Baseline  
Offset 9.73' Left  
Ground Surface Elev. 699.2

DEPTH (ft)	BLOW COUNT (S)	UCS (tsf)	MOISTURE (%)	DEPTH (ft)	BLOW COUNT (S)	UCS (tsf)	MOISTURE (%)
TOPSOIL-black 698.7							
7				3			112
13				4			
15	4.0P	12		7	4.4B	19	
8				3			102
8				5			
-5	8 4.5+P	11		-25	9 3.4B	23	
4				3			102
7				5			
9			10	7	2.5B	24	
9				3			
13				4			
-10	13 4.5+P	15		-30	7 2.5B	20	
8							
13							
14	7.0B	16					
8				4			111
10				3			
-15	16 3.6S	13		-35	7 2.5B	19	
3			119				
4							
7	2.7B	16					
3				5			113
4				9			
-20	7 2.5B	17		-40	18 2.5P	18	

Surface Water Elev. n/a  
Stream Bed Elev. n/a  
Groundwater Elevation:  
First Encounter n/a  
Upon Completion n/a  
After \_\_\_\_\_ Hrs.

Geo Services, Inc.  
Geotechnical, Environmental & Civil Engineering  
805 Amherst Court, Suite 204  
Naperville, Illinois 60565  
(630) 355-1236

PAGE 2 of 2  
DATE 10/25/2004  
LOGGED BY CS  
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 CME-75 Auto Hammer

STRUCT. NO. SN 049-W034  
Station \_\_\_\_\_  
BORING NO. M-6  
Station 213+54.2 Ramp B Baseline  
Offset 9.73' Left  
Ground Surface Elev. 699.2

DEPTH (ft)	BLOW COUNT (S)	UCS (tsf)	MOISTURE (%)	DEPTH (ft)	BLOW COUNT (S)	UCS (tsf)	MOISTURE (%)
CLAY-gray-very stiff to hard (A-6)							
5				7			118
6				8			
-45	11 3.1B	17		-65	19 3.0P	16	
13							
16							
-50	21	NR		-70	18	NR	
6							
12							
-55	16 4.5P	13		-75	22 NP	12	
11							
13							
-60	17 2.2B	11		-80			

Surface Water Elev. n/a  
Stream Bed Elev. n/a  
Groundwater Elevation:  
First Encounter n/a  
Upon Completion n/a  
After \_\_\_\_\_ Hrs.

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 (%)

TYL INTERNATIONAL

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

BORING LOG M-6

FAP 346 (U.S. ROUTE 41 - SKOKIE  
HIGHWAY) OVER ILLINOIS ROUTE 132  
SECTION 125X-HB-(1&2)R-1  
LAKE COUNTY  
S.N. 049-W034