

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - S-66 S-66 SHEETS
346	*	LAKE	469	235	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT # 60826		
* 125X-HB-(1&2) R-1					

PAGE 3 of 3

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
885 Amberley Court, Suite 204
Naperville, IL 60563
(630) 455-1288

SOIL BORING LOG

DATE June 17-18, 2004
LOGGED BY AD
CSI JOB No. 0314

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 049-0209
Station _____
BORING NO. B-8
Station 537+37.2 US 41 Centerline
Offset 30.97' Left
Ground Surface Elev. 690.4

DEPTH H (ft)	B L O W S (/6')	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. n/a				DEPT H (ft)			
				Stream Bed Elev. n/a				B L O W S (/6')	U C S Qu (tsf)	M O I S T (%)	
				Groundwater Elevations:							
				First Encounter 679.4							
				Upon Completion n/a							
				After _____ Hrs.							
CLAY-gray-hard (A-6)				CLAY-gray-hard (A-6)							
	11		130					16		101	
	14							15			
	-85	19	4.5P	11.3			585.4	-105	15	4.5P	24.9
				End of Boring @ -105.0'							
				Hollow Stem Augers to -11.0'							
				Rotary Drilling to Completion							
				75.0' Casing Used							
				D-120 Safety Hammer							
	10										
	11										
	-90	25	4.5P	15.0			-110				
	11		124								
	13										
	-95	16	4.5P	13.3			-115				
	15		123								
	12										
	-100	14	4.5P	13.8			-120				

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 (%)

TYLINTERNATIONAL

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

**BORING LOG B-8
(2 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. 049-0209