STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	227
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. "S-58
S-66" 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) 305-0206

SOIL BORING LOG

PAGE 3 of 3
DATE 10/21/2004
LOGGED BY CS
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TWNSHP 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 049-0209
Station
BORING NO. B-4
Station 532+22.2 US 41 Centerline
Offset 31.16' Left
Ground Surface Elev. 683.6

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

Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
					CLAY-gray-very stiff to hard (A-6)
		8			
		15			
	-85	17	3.0P	21	
					SILT-gray-very dense (A-4)
		7		121	
		12			
	-90	16	4.0B	15	
		12		120	
		19			
	-95	24	3.4B	15	
584.6		13			
		15			SILT-gray-very dense (A-4)
	-100	42	NP	12	
					SILT-gray-very dense (A-4)
		20			
		25			
	578.6 -105	29	NP	12	
					End of Boring @ -105.0'
					Hollow Stem Augers to -30.0'
					Rotary Drilling to Completion
					CME-75 Automatic Hammer
	-110				
	-115				
	-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 (%)

TY·LIN INTERNATIONAL

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

BORING LOG B-4
(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