STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	225
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. -S-56
S-66- SHEETS

* 125X-HB-(1&2) R-1 CONTRACT # 60826

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
825 Aurora Court, Suite 204
Naperville, Illinois 60565
(630) 355-2936

SOIL BORING LOG

PAGE 3 of 3
DATE 8/22-24/2004
LOGGED BY TOB
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 D-120 Safety Hammer

STRUCT. NO. SN 049-0209
Station
BORING NO. B-3
Station 532+04.5 US 41 Centerline
Offset 37.05' Right
Ground Surface Elev. 698.7

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)			4		123
			9		
		-85	11	3.3P	14
			8		
			12		
		-90	16		NR
			6		119
			16		
		-95	16	4.5P	16
			6		
			10		
		-100	14	-	16
CLAY-gray-stiff to very stiff (A-6)			4		118
			9		
		-105	12	3.5P	16
			4		101
			8		
		-110	10	2.7B	25
	584.7		10		
SILT-gray-very dense (A-4)	583.7	-115	27 35	NP	18
End of Boring @ -115.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion D-120 Safety Hammer		-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-3
(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