STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	223
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. -S-54
S-66- SHEETS

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

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

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-2
Station 530+12.2 US 41 Centerline
Offset 31.16' Left
Ground Surface Elev. 694.2

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)		DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
				CLAY-gray-very stiff to hard (A-6)				
				CLAY-gray-very stiff to hard (A-6)				
					591.2			
	8					9		
	11					11		
-85	20	-	24	SILT-gray-dense to very dense (A-4)	-105	21	NP	17
						49		
	13							
	17					65		
-90	18	4.5P	14		584.2 -110	78	NP	12
				End of Boring @ -110.0' Hollow Stem Augers to -30.0' Rotary Drilling to Completion CME-75 Automatic Hammer				
	13							
	19							
-95	61	4.5P	20		-115			
	9		106					
	13							
-100	21	3.0P	22		-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-2
(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