STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	229
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. -S-60
S-66- SHEETS

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

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amberst Court Suite 204
Naperville, Illinois 60565
(630) 355-2956

SOIL BORING LOG

PAGE 3 of 3
DATE 7/30-8/01-2004
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-5
Station 535+09.5 US 41 Centerline
Offset 37.05' Right
Ground Surface Elev. 698.0

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-medium stiff to very stiff (A-6)			4		120
			8 9	2.8P	15
		-85			
CLAY-gray-hard (A-6)			5		121
			7 10	2.8P	15
	608.0	-90			
CLAY-gray-hard (A-6)			8		123
			10 15	4.0P	14
		-95			
			11		121
			13 19	4.5P	15
		-100			
CLAY-gray-hard (A-6)			11		121
			16 20	4.5P	15
		-105			
			9		119
			11 36	4.5P	16
		-110			
	585.0				
CLAY-gray-medium stiff (A-6) Wet			8		92
			9 9	0.9B	31
	583.0	-115			
End of Boring @ -115.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion 80.0' Casing Used 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-5
(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