STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	333
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 20
21 - 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 1 of 2
DATE 10/26/2004
LOGGED BY C&S
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" Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN 049-W036
Station
BORING NO. 0-4
Station 540+16.5 US 41 Centerline
Offset 48.75' Right
Ground Surface Elev. 688.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 659.0 ▼
Upon Completion Dry ▽
After ___ Hrs. ___ ▼

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Blind drill to -26.0'.					
		-5			
		-10			
		-15			
		-20			
Blind drill to -26.0'.					
		-25			
	662.0				
CLAY-gray- stiff to very stiff (A-6)			3		118
			8 9	2.0P	18
			3		126
		-30	7 8	2.0B	17
		-35	3 7 10	1.8B	115 17
		-40	4 6 8	2.0P	17

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 (%)

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First Encounter 659.0 ▼
Upon Completion Dry ▽
After ___ Hrs. ___ ▼

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray- stiff to very stiff (A-6)			4		118
		-45	4 7	1.8B	18
			4		115
		-50	7 4	1.75P	19
	635.0				
SILTY LOAM-gray-medium dense (A-4)			6		
		-55	12 14	NP	24
	630.0				
SAND-gray-loose (A-3)			3		
		-60	3 4	NP	20
SAND-gray-loose (A-3)					
	625.0				
CLAYEY SAND & STONE- gray-loose (A-2-6)			1		
		-65	3 6	NP	8
	620.0				
CLAY-gray- very stiff (A-6)			2		
		-70	4 8	2.0P	14
	613.0	-75	4 7 11	3.5P	13
End of Boring @ -75.0' Hollow Stem Augers CME-75 Automatic Hammer					
		-80			

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 (%)

TYLIN INTERNATIONAL

DESIGNED	SNB
CHECKED	AD
DRAWN	SNB
CHECKED	AD

BORING LOG 0-4

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W036