STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	361
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 11
13 - SHEETS

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

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

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-W038
Station
BORING NO. Q-1
Station 401+14.0 Ramp D Baseline
Offset 14.3' Left
Ground Surface Elev. 682.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 667.8 ▼
Upon Completion Dry ▽
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-black (Fill)	681.3				
CLAY-brown & gray-hard (A-6)			3		
			4		
			6	-	18
			4		
			5		
		-5	7	4.0P	17
	676.3				
CLAY-gray-very stiff (A-6)			2		109
			6		
			7	2.2B	17
			2		112
			4		
		-10	5	2.2B	16
			2		110
			3		
			6	2.5B	20
			1		108
▼			4		
		-15	7	2.8B	20
			2		93
			2		
			5	2.3B	24
			1		105
			3		
		-20	7	2.1B	23
CLAY-gray-very stiff (A-6)	661.3				
			2		
SANDY CLAY LOAM-gray-medium dense (A-2-6)			6		
			9	NP	19
	658.8				
			4		
			5		
		-25	6	1.75P	18
CLAY-gray-stiff to very stiff (A-6)			2		
			3		
			5	1.25P	19
			1		
			6		
		-30	7	2.0P	18
			2		121
			5		
		-35	8	2.25P	15
			4		123
			6		
		-40	10	2.5P	14

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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COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN 049-W038
Station
BORING NO. Q-1
Station 401+14.0 Ramp D Baseline
Offset 14.3' Left
Ground Surface Elev. 682.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 667.8 ▼
Upon Completion Dry ▽
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)			4		119
			6		
		-45	11	1.25B	15
	634.3				
SAND & GRAVEL-gray-medium dense (A-1-b)			5		
			10		
	632.3	-50	16	NP	21
CLAYEY SAND & GRAVEL-gray-medium dense (A-2-6)			4		
			8		
	627.3	-55	10	NP	19
End of Boring @ -55.0' Hollow Stem Augers CME-75 Automatic Hammer		-60			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-65			
-70			
-75			
-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	MAF
CHECKED	AD
DRAWN	MAF
CHECKED	AD

BORING LOG Q-1

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W038