STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	295
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 14
17 - 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) 355-2836

SOIL BORING LOG

PAGE 1 of 2
DATE 10/25/2004
LOGGED BY RJ
GSI JOB No. Ø314

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 Ø49-WØ34
Station
BORING NO. M-3
Station 211+29.8 Ramp B Baseline
Offset Ø.25' Left
Ground Surface Elev. 698.6

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 (%)
Sand & Gravel (Fill)	6987.6				
CLAY-brown & gray spotted black-stiff (A-6) Fill	696.5		3 3 4	1.5P	19
CLAY-brown & gray - very stiff to hard (A-6)			5		120
			7 9	4.1B	15
			6		112
			16 23	5.5B	16
			9		111
			17 30	2.1B	19
	687.6		9		118
CLAY-gray-stiff to very stiff (A-6)			19 26	3.4B	16
			6		105
			8 14	3.4B	23
			5		118
			8 12	1.8B	15
			5		125
			8 11	1.8B	13
CLAY-gray-stiff to very stiff (A-6)	678.6				
CLAY LOAM-gray-loose (A-4)	675.1		3 4 5	NP	13
			5		130
			15 24	0.9B	11
			5		107
			9 15	1.9B	21
			5		102
			8 10	1.9B	24
			4		
			5 6	1.9B	21
			8		122
			11 10	3.0P	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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Surface Water Elev. n/a
Stream Bed Elev. n/a
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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)	655.6				
			5		120
			9 10	2.5B	15
CLAY-gray-very stiff to hard (A-6)			5		
			8 11	3.0P	14
			11		128
			12 13	4.5P	12
			8		123
			19 33	5.8B	14
CLAY-gray-very stiff to hard (A-6)	633.6		9		
			12 26	-	22
End of Boring @ -65.0'					
Hollow Stem Augers to -10.0'					
Rotary Drilling to Completion					
CME-75 Automatic Hammer					

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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 M-3

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. Ø49-WØ34