

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - 15
346	*	LAKE	469	313	15 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		
• 125X-HB-(1&2) R-1		CONTRACT # 60826			

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amberly Drive, Suite 204
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(630) 875-7308

SOIL BORING LOG

PAGE 1 of 1
DATE 10-20-2004
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" Hollow Stem Auger HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. SN 049-W035
Station _____
BORING NO. N-12
Station 312+35.8 Ramp C Baseline
Offset 7.25' Right
Ground Surface Elev. 680.0

DEPT H	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev. n/a		DEPT H	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. n/a	Groundwater Elevation:				
				First Encounter	666.5				
				Upon Completion	Dry				
				After	Hrs.				
SANDY TOPSOIL-black (A-7)									
	4						3		118
678.0	4						4		
	4	4.5P	23	CLAY LOAM-gray- medium dense to very dense (A-4)			7	0.5B	13
CLAY-brown & gray- very stiff to hard (A-6)									
	5		110				4		129
	8						5		
-5	8	3.5B	17		655.0	-25	8	2.5B	13
End of Boring @ -25.0' Hollow Stem Augers D-120 Safety Hammer									
	5		118						
	9								
671.5	10	3.1B	19						
CLAY-gray-hard (A-6)									
	6		114						
	10								
-10	13	8.4B	17			-30			
CLAYEY SAND & GRAVEL-gray- medium dense (A-2-6)									
668.0	6								
	10		10						
	10	NP	10						
666.5	4								
SILTY CLAY LOAM-gray-loose (A-4/A-6)									
	3								
-15	4	0.5P	13			-35			
665.9									
SILTY LOAM-gray-medium dense (A-4)									
	3								
	4								
	7	NP	13						
661.5									
CLAY LOAM-gray- medium dense to very dense (A-4)									
	3		118						
	5								
-20	8	0.9B	12			-40			

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 T226). The Unit Dry Weight (pcf) is noted in italics
above moist (%)

TYLIN INTERNATIONAL

DESIGNED	- MAF
CHECKED	- AD
DRAWN	- MAF
CHECKED	- AD

BORING LOG N-12

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W035