

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	293
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
125X-HB-(1&2) R-1		CONTRACT # 60826		

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 255-1236

PAGE 1 of 2
DATE 10/12/2004
LOGGED BY RJ
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TWNESHIP 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 049-W034
Station _____
BORING NO. M-1
Station 209+79.8 Ramp B Baseline
Offset 0.25' Left
Ground Surface Elev. 698.2

DEPTH TH	B LOW S	U CS Qu	M O I S T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:			
				First Encounter <u>n/a</u>				Upon Completion <u>n/a</u>				After _____ Hrs.			
(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)
TOPSOIL with Sand & Gravel - dark brown (Fill)															
	5				4		118								
	4				6										
	6		15		11	2.7B	18								
694.7															
	9				3		107								
	7				3										
	-5	8	4.5P	14	-25	6	1.9B	21							
CLAY-gray-stiff to hard (A-6)															
	10		118		5		113								
	13				7										
	13	10.1S	14		11	3.2B	22								
	6		103		3		108								
	12				5										
	-10	17	5.7B	17	-30	6	2.1B	24							
687.2															
	6		126												
	13														
	17	6.4B	16												
CLAY-gray-stiff to hard (A-6)															
	5		122		2										
	6				4										
	-15	11	3.7B	17	-35	7	2.0P	14							
	5		122												
	7														
	9	2.8B	19												
	1		116		5		111								
	3				6										
	-20	8	4.8B	18	-40	9	1.6B	24							

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SILTY CLAY LOAM-gray-stiff to very stiff (A-4/A-6)															
634.7															
	4		122												
	5														
	-45	7	1.6B	18	-65	13	NP	16							
SILTY LOAM-gray-medium dense (A-4)															
629.7															
	10		138												
	13														
	-50	16	4.5P	13	-70	14	NP	20							
SAND & GRAVEL-gray-medium dense (A-1-b)															
644.7															
	7		131												
	16														
	-55	20	4.5P	14	-75	14	NP	7							
SAND & GRAVEL-gray-medium dense to dense (A-1-a)															
625.0															
	14														
	16														
	-75	14	NP	7											
End of Boring @ -80.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion CME-75 Automatic Hammer															
	9		135												
	14														
	-60	17	4.5P	15	-80	10	NP	9							
618.5															

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 (ASTM T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)

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TYLIN INTERNATIONAL

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

BORING LOG M-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-W034