

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 American Court, Suite 204
Naperville, Illinois 60565
(630) 355-1236

PAGE 1 of 2
DATE 10/27/2004
LOGGED BY C&S
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" Hollow Stem Auger HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. SN 049-W033
Station _____
BORING NO. L-2
Station 528+64.9 US 41 Centerline
Offset 41.75' Left
Ground Surface Elev. 699.3

DEPTH H (ft)	BLOW S (/6')	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. n/a				Stream Bed Elev. n/a				Groundwater Elevation:				
				DEPTH H (ft)	BLOW S (/6')	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6')	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6')	UCS Qu (tsf)	MOIST T (%)	
20.0" ASPHALT & CONCRETE																
697.6	2		116													
	2															
	4	1.6B	7													
CLAY LOAM-brown & gray spotted black-stiff (A-6) Fill																
	1															
	2															
	-5	-	19													
693.3																
	1		108													
	3															
	7	5.2B	19													
CLAY-brown & gray-hard (A-6)																
	3		112													
	7															
	-10	9	6.2B	18												
688.3																
	4		108													
	6															
	8	4.0B	20													
CLAY-gray-very stiff to hard (A-6)																
	2		107													
	4															
	-15	6	3.0B	22												
SANDY CLAY LOAM-gray-medium dense (A-2-6)																
	3		105													
	4															
	6	3.0B	22													
	5		123													
	7															
	-20	8	4.25B	14												

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SANDY CLAY LOAM-gray-medium dense (A-2-6)																
661.3																
CLAY-gray-stiff to very stiff (A-6)																
	4		128													
	6															
	-45	10	3.2B	12												
CLAY-gray-stiff to very stiff (A-6)																
	3		109													
	7															
	-50	8	1.6B	20												
CLAY-gray-very stiff (A-6)																
	9		10													
	11															
	-55	23	3.0P	20												
SANDY LOAM-gray-medium dense (A-2-6)																
	10		12													
	12															
	-75	12	NP	13												
End of Boring @ -75.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion D-120 Safety Hammer																
	11															
	13															
	-60	14	3.0P	15												

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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TYLIN INTERNATIONAL

DESIGNED	- SNB
CHECKED	- AD
DRAWN	- SNB
CHECKED	- AD

BORING LOG L-2

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W033