

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 355-7300

PAGE 1 of 3
DATE 7/30-8/01-2004
LOGGED BY TOB
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TOWNSHIP Gurnee LOCATION TWP 44 N, R 6E on the south boundary of Sec 28
COUNTY Lake DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. SN 049-0209
Station _____
BORING NO. B-5
Station 535+09.5 US 41 Centerline
Offset 37.05' Right
Ground Surface Elev. 698.0

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter n/a	Upon Completion n/a	After _____ Hrs.
696.5	6	108							
	5								
	7	2.1B	18						
	2		104						
	4								
	6	2.1B	20						
	3		108						
	4								
	3	5.0B	21						
	3		107						
	3								
	4	3.0B	21						
	8		108						
	10								
	13	2.8B	21						
684.5	4		109						
	8								
	13	3.7B	20						
	14		114						
	17								
	22	5.8B	18						
	7		118						
	10								
	14	5.1B	16						

SANDY TOPSOIL-black (Fill)
CLAY-brown & gray spotted black-very stiff to hard (A-6) Fill
CLAY-gray-stiff to hard (A-6)
CLAY-gray-stiff to hard (A-6)
CLAY-gray-stiff to hard (A-6)
SAND & GRAVEL-gray-medium dense (A-1)

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DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter n/a	Upon Completion n/a	After _____ Hrs.
655.0	4		120						
	8								
	10	3.4B	15						
	4		118						
	6								
	8	1.6B	16						
	5		110						
	7								
	11	3.5B	20						
	5		108						
	8								
	11	4.1B	21						
	6		121						
	10								
	14	4.0P	14						
	7		129						
	9								
	12	-	NR						
	7		17						
	9		12						
	12	-	NR						
	14	NP	14						
	13								
	17								
	12								
	14	NP	9						
	6		116						
	8								
	13	3.0P	17						

SAND & GRAVEL-gray-medium dense (A-1)
CLAY-gray-stiff to very stiff (A-6)
CLAY-gray-stiff to very stiff (A-6)
SAND & GRAVEL-gray-medium dense (A-1)
CLAY-gray-medium stiff to very stiff (A-6)

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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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 B-5
(1 OF 2)

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-0209