

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. - 12
346	*	LAKE	469	340	16 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			
• 125X-HB-(1&2) R-1		CONTRACT # 60826			

PAGE 1 of 3
DATE June 17-18, 2004
LOGGED BY AD
GSI JOB No. 0314

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, IL 60565
(630) 355-1200

SOIL BORING LOG

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 XX
BORING NO. B-8
Station 537+37.2 US 41 Centerline
Offset 30.97' Left
Ground Surface Elev. 690.4

DEPTH (ft)	BLOW(S)	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	DEPTH (ft)	BLOW(S)	UCS (tsf)	MOIST (%)
688.9	3		107	Stream Bed Elev. n/a		4		96
689.9	5			Groundwater Elevations:		7		
690.9	6	3.9B	18.9	First Encounter 679.4		6	2.2B	20.6
691.9	2		106	Upon Completion n/a		5		
692.9	4			After Hrs.		8		
693.9	-5	4.0B	21.3			9	NP	13.2
694.4	-5					-25		
695.4								
696.4								
697.4	3		112					
698.4	2					4		
699.4	6	2.0P	16.2			5		
700.4						11	3.7P	12.1
701.4	4							
702.4	6					10		12.8
703.4	-10	8.20P	18.1			13		
704.4	-10					16	5.0B	11.7
705.4								
706.4	4		111					
707.4	6							
708.4	7	1.3B	19.4					
709.4								
710.4	4					18		
711.4	8					9		
712.4	-15	7.24B	20.5			11	NP	12.8
713.4	-15							
714.4	3		124					
715.4	7							
716.4	7	2.3P	12.9					
717.4								
718.4	3		119			8		
719.4	6					14		
720.4	-20	6.18B	15.5			-40	19	NP 8.2

TOPSOIL-black (A-7)
CLAY-gray-stiff to very stiff (A-6)
SILTY CLAY-trace organics-
brown & gray spotted black-
medium stiff to very stiff (A-6) Fill
SAND with Gravel-gray-
medium dense (A-1-b)
CLAY-gray-very stiff to hard (A-6)
CLAY-gray-stiff to very stiff (A-6)
CLAY-gray-stiff to very stiff (A-6)
CLAY-gray-stiff to very stiff (A-6)
CLAY-gray-hard (A-6)
CLAY-gray-hard (A-6)
CLAY-gray-hard (A-6)
SAND-gray-medium dense to dense (A-3)

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SAND-gray-medium dense to dense (A-3)

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 B-8
(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-W037