

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	ITEM NO.	SHEET NO.	SHEET NO. - 16
346	*	LAKE	469	28	16 SHEETS
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	
125X-HB-(1&2) R-1		CONTRACT # 60826			

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Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
825 Amber Road, Suite 204
Naperville, IL 60563
(630) 355-1226

SOIL BORING LOG

DATE 10/21/2004
LOGGED BY CS
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 CME-75 Auto Hammer

STRUCT. NO. SN 049-0209
 Station _____
 BORING NO. B-2
 Station 530+12.2 US 41 Centerline
 Offset 31.16' Left
 Ground Surface Elev. 594.2

DEPTH (ft)	BLOW (/6')	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (/6')	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:
									n/a	n/a	First Encounter
				CLAY-gray-very stiff to hard (A-6)							
				591.2							
8					9						
11					11						
-85	20	-	24	SILT-gray-dense to very dense (A-4)	-105	21	NP	17			
13					49						
17					65						
-90	18	4.5P	14		584.2	-110	78	NP	12		
				End of Boring @ -110.0' Hollow Stem Augers to -30.0' Rotary Drilling to Completion CME-75 Automatic Hammer							
13											
19											
-95	61	4.5P	20		-115						
9											
13											
-100	21	3.0P	22		-120						

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 (%)

TYLIN INTERNATIONAL

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

BORING LOG B-2
(2 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-W033