

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - 10
346	*	LAKE	469	308	15 SHEETS
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) 395-2996

PAGE 1 of 1
DATE 10/6/2004
LOGGED BY IOB
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TOWNSHIP Curnee 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-W035
Station
BORING NO. N-2
Station 304+85.2 Ramp C Baseline
Offset 6.0' Right
Ground Surface Elev. 688.4

DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)	DEPT (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)
687.4							
8		116		3		120	
8				5			
8	11.00	14		9	1.98	18	
684.4							
8		124		5		128	
15				9			
-5	15	10.48	12	-25	9	4.24B	12
6				15			
10				15			
12	8.7B	16		10	NP	12	
7				3			
11				3			
-10	15	8.5B	16	-30	6	NP	10
677.4							
5		116					
8							
11	6.2B	17					
4							
7							
-15	9	4.6B	18	-35			
6							
6		108					
5	2.5B	21					
5							
3							
-20	3	1.1B	24	-40			

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 666.9
Upon Completion Dry
After Hrs.

TOPSOIL with Gravel-black (Fill)
CLAY-dark brown & black-hard (A-6) Fill
CLAY-gray-stiff to hard (A-6)
CLAY-brown & gray-hard (A-6)
SAND & GRAVEL-gray-loose to medium dense (A-1)
CLAY-gray-stiff to hard (A-6)

End of Boring @ -30.0'
Hollow Stem Augers
D-120 Safety Hammer

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 395-2996

PAGE 1 of 1
DATE 10-20-2004
LOGGED BY IOB
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TOWNSHIP Curnee LOCATION TWP 44 N.R 6E on the south boundary of Sec 28
COUNTY Lake DRILLING METHOD 3.25' Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN 049-W035
Station
BORING NO. N-3
Station 305+60.2 Ramp C Baseline
Offset 7.25' Right
Ground Surface Elev. 685.4

DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)	DEPT (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)
682.4							
7				46			
8				18			
8		NR		16	NP	27	
682.4							
7		123		6			
7				7			
-5	6	3.5B	11	660.4	-25	8	NP 12
7							
9							
11	5.3B	15					
679.9							
5		121					
6							
-10	9	2.7B	14	-30			
4							
6							
6	1.75B	18					
4							
4		128					
4							
-15	6	1.75B	18	-35			
1							
3							
4	2.5B	19					
669.9							
3							
6							
-20	6	0.5P	15	-40			

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 661.9
Upon Completion Dry
After Hrs.

SANDY TOPSOIL-black
SILTY CLAY LOAM-gray-medium dense (A-4/A-6)
CLAYEY SAND, GRAVEL & STONE-gray-medium dense to dense (A-1-a)
CLAY-brown-very stiff to hard (A-6)
CLAY-gray-stiff to very stiff (A-6)
SILTY CLAY LOAM-gray-medium dense (A-4/A-6)

End of Boring @ -25.0'
Hollow Stem Augers
CME-75 Automatic Hammer

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 (%)

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	- MAF
CHECKED	- AD
DRAWN	- MAF
CHECKED	- AD

BORING LOGS N-2 & N-3

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W035