

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - 16
346	*	LAKE	469	297	17 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 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 255-1236

PAGE 1 of 2
DATE 10/25-26/2004
LOGGED BY CS
GSI JOB No. 0314

SOIL BORING LOG

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' HSA/Rotary HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN 049-W034
Station _____
BORING NO. M-5
Station 212+79.8 Ramp B Baseline
Offset 0.25' Left
Ground Surface Elev. 698.5

DEPTH T H (ft)	B L O W S (/6')	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. n/a				Stream Bed Elev. n/a				Groundwater Elevation:			
				First Encounter n/a				Upon Completion n/a				After _____ Hrs.			
(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)
TOPSOIL with Sand & Gravel-dark brown (Fill) 697.5															
	2														
CLAY-brown, gray & black-stiff (A-6) Fill 695.5															
	2														
	2	1.5P	23												
CLAY-dark brown & gray-medium stiff (A-6) Wet 693.0															
	1														
	1														
	3	0.75P	29												
CLAY-brown & gray-stiff to hard (A-6) 685.5															
	2														
	2														
	3	3.0P	17												
	2														
	5														
	6	1.8B	21												
	2														
	5														
	8	7.4B	16												
CLAY-gray-stiff to very stiff (A-6) 645.5															
	3														
	7														
	9	2.7B	17												
	4														
	6														
	8	1.4B	19												
	4														
	6														
	8	3.5B	17												

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 255-1236

PAGE 2 of 2
DATE 10/25-26/2004
LOGGED BY CS
GSI JOB No. 0314

SOIL BORING LOG

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' HSA/Rotary HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN 049-W034
Station _____
BORING NO. M-5
Station 212+79.8 Ramp B Baseline
Offset 0.25' Left
Ground Surface Elev. 698.5

DEPTH T H (ft)	B L O W S (/6')	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. n/a				Stream Bed Elev. n/a				Groundwater Elevation:			
				First Encounter n/a				Upon Completion n/a				After _____ Hrs.			
(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)	(ft)	(/6')	(tsf)	(%)
CLAY-gray-stiff to hard (A-6) 635.5															
	3														
	4														
	6	1.8B	20												
SILTY CLAY LOAM to SILTY LOAM-very dense (A-4/A-6) 633.5															
	3														
	4														
	6	1.8B	20												
SILT-gray-medium dense (A-4) 630.5															
	4														
	15														
	13	NP	19												
End of Boring @ -65.0' Hollow Stem Augers to -40.0' Rotary Drilling to Completion CME-75 Automatic Hammer 645.5															
	5														
	10														
	13	4.5P	11												
SILTY CLAY LOAM to SILTY LOAM-very dense (A-4/A-6) 645.5															
	19														
	38														
	31	2.3B	14												
	29														
	45														
	61	4.5+P	13												

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 LOG M-5

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W034