

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. - S-55 S-86 SHEETS
346	*	LAKE	469	224	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT # 60826		
* 125X-HB-(1&2) R-1					

Geo Services, Inc.  
Geotechnical, Environmental & Civil Engineering  
805 Amberly Court, Suite 204  
Naperville, Illinois 60565  
(630) 355-7338

PAGE 1 of 3  
DATE 8/22-24/2004  
LOGGED BY TOB  
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass  
TWNESHIP 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-3  
Station 532+04.5 US 41 Centerline  
Offset 37.05' Right  
Ground Surface Elev. 698.7

DEPTH H S	BLOW S	UCS Qu	MOIST T	Surface Water Elev. n/a		DEPTH H S	BLOW S	UCS Qu	MOIST T	
				Stream Bed Elev. n/a	Groundwater Elevations:					
				First Encounter	n/a					
				Upon Completion	n/a					
				After	Hrs.					
	(ft)	(/6')	(tsf)	(%)			(ft)	(/6')	(tsf)	(%)
TOPSOIL-black (A-7)										
	697.2	12		117			7		115	
CLAY-brown spotted black-hard (A-6) Fill										
	696.7	8	4.4B	13			10	2.8B	17	
CLAYEY TOPSOIL-black (A-7) Fill										
	692.7	6			CLAY-gray-stiff to very stiff (A-6)		4		115	
		4					7			
		-5	4	-			-25	9	3.0B	18
CLAY-brown & gray spotted black-stiff (A-6) Fill										
	690.2	3		100			8		115	
		4					67	2.8P	17	
		5	1.4B	22			50/4"			
CLAY-brown & gray very stiff to hard (A-6)										
	683.2	8		109			3		102	
		6					6			
		-10	10	6.0B	20		-30	7	1.5P	24
CLAY to CLAY LOAM-gray-stiff to very stiff (A-6)										
		5		100						
		9								
		15	4.0B	24						
SAND & GRAVEL-gray-loose to medium dense (A-1)										
		7		101			5			
		4					2			
		-15	7	3.0B	25		-35	5	NR	
CLAY to CLAY LOAM-gray-stiff to very stiff (A-6)										
		5		117						
		7								
		10	3.4B	16						
		5		123			7			
		6					7			
	678.7	-20	7	2.2P	14		-40	8	NP	10

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 (%)

Geo Services, Inc.  
Geotechnical, Environmental & Civil Engineering  
805 Amberly Court, Suite 204  
Naperville, Illinois 60565  
(630) 355-7338

PAGE 2 of 3  
DATE 8/22-24/2004  
LOGGED BY TOB  
GSI JOB No. 0314

ROUTE FAP Rte. 346 DESCRIPTION New Overpass  
TWNESHIP 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-3  
Station 532+04.5 US 41 Centerline  
Offset 37.05' Right  
Ground Surface Elev. 698.7

DEPTH H S	BLOW S	UCS Qu	MOIST T	Surface Water Elev. n/a		DEPTH H S	BLOW S	UCS Qu	MOIST T	
				Stream Bed Elev. n/a	Groundwater Elevations:					
				First Encounter	n/a					
				Upon Completion	n/a					
				After	Hrs.					
	(ft)	(/6')	(tsf)	(%)			(ft)	(/6')	(tsf)	(%)
SILT-gray-dense (A-4)										
	635.2						9		7	122
SILTY SAND & GRAVEL-gray-medium dense (A-2-4)										
	652.7						13		11	
		-45	8	NP	12		-65	13	4.0P	14
CLAY-gray-very stiff (A-6)										
	629.7						5		127	
		8					8		12	
		-50	12	3.3P	12		-70	13	NP	15
SANDY LOAM-gray-medium dense (A-2-6)										
	625.2						7		122	
		11					11		15	
		-55	13	4.0P	14		-75	17	NP	18
SAND-gray-dense (A-3)										
	620.2									
		15					15		13	
		22					22		11	
		-60	17	NP	18		-80	14	-	16
CLAY-gray-stiff to very stiff (A-6)										
	639.7									
SILT-gray-dense (A-4)										

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 B-3  
(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