

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14
346	*	LAKE	469	312	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 Amerity Drive, Suite 204
Naperville, Illinois 60565
(630) 355-2836

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

ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TWNSHP Gurnee 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-10
Station 310+86.0 Ramp C Baseline
Offset 7.25' Right
Ground Surface Elev. 681.5

DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)
680.5	5						4		114
	8						5		
	13	4.5P	13				7	2.7B	16
678.0	10						6		124
	8						8		
	5	7	4.5P	12	656.5	-25	8	2.75P	15
	12								
673.0	6		128						
	8								
	10	10	7.1B	14		-30			
	3								
	4								
	4	1.0P	20						
	2								
	4								
	6	1.25P	21			-35			
	2								
	4		120						
	6	2.5B	19						
	3								
	5								
	5	1.75P	20			-40			

End of Boring @ -25.0' Hollow Stem Augers D-120 Safety 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 (%)

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ROUTE FAP Rte. 346 DESCRIPTION New Overpass
TWNSHP Gurnee 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-11
Station 311+60.8 Ramp C Baseline
Offset 7.25' Right
Ground Surface Elev. 681.4

DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	DEPTH (ft)	BLOW (1/6')	UCS (tsf)	MOIST (%)
680.4	7						2		114
	7						4		
	9	4.5+P	12				5	1.9B	18
677.9	12		120				8		116
	12						9		
	5	13	10.6B	14		-25	10	2.1B	17
	5						4		122
	12						5		
	14	8.1B	19				6	2.0P	17
	4		111				7		121
671.9	5						8		
	3	2.7B	19	651.4	-30	7	2.8B	15	
670.4	4								
	6								
	5	NP	16						
667.9	2		121						
	2								
	3	1.1B	22			-35			
665.4	3		129						
	4								
	4	1.4B	24						
	10		119						
	11								
	10	4.25B	15			-40			

End of Boring @ -30.0' Hollow Stem Augers D-120 Safety 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 (%)

TYLINTERNATIONAL

DESIGNED	- MAF
CHECKED	- AD
DRAWN	- MAF
CHECKED	- AD

BORING LOGS N-10 & N-11

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