

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Geotechnical, Environmental & Civil Engineering
805 Amber Court, Suite 204
Naperville, Illinois 60565
(630) 395-1286

PAGE 1 of 2
DATE 10/22/2004
LOGGED BY IOB
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-W032
Station _____
BORING NO. K-4
Station 529+16.5 US 41 Centerline
Offset 48.75' Right
Ground Surface Elev. 698.7

DEPTH (ft)	BLOW S (1/6')	UCS Qu (tsf)	MOIST (%)	Surface Water Elev. n/a	Stream Bed Elev. n/a	Groundwater Elevation:	First Encounter n/a	Upon Completion n/a	After _____ Hrs.
3									
3									
3		13							
695.2									
2		102							
4									
-5	5	2.5B	23						
6		107							
6									
8		2.1B	21						
6		113							
6									
-10	9	4.25B	15						
8		119							
11									
12		5.3B	16						
684.7									
6		112							
7									
-15	11	4.4B	17						
5		112							
6									
8		3.5B	17						
4		113							
4									
-20	6	1.8B	17						

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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4									
4									
5		2.0P	17						
4		107							
5									
-25	7	1.8B	22						
3		104							
5									
6		1.8B	23						
3		103							
4									
-30	7	2.5B	23						
6		127							
7									
-50	8	4.4B	12						
630.7									
9									
17									
628.7	-70	23	NP	13					
End of Boring @ -70.0'									
Hollow Stem Augers									
D-120 Safety Hammer									
12		130							
13									
-55	15	7.1B	11						
640.7									
25									
39									
-60	29	NR							
-80									

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TYLIN INTERNATIONAL

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

BORING LOG K-4

FAP 346 (U.S. ROUTE 41 - SKOKIE
HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-W032