STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

OUTE NO.	SECTION	cou	NTY	TOTAL	SHEET NO.	SHEET NO.			
346	•	LA	KE	469	221	S-66- SHEET			
D. ROAD DIST. NO.		ILLINOIS	FEO. AID PRO	DJECT-					

125X-HB-(1&2)	R-1	CONTRACT	#	6082

LINOIS	FED. AID PROJECT-	
	·	

					7 - MAIN	PAGE 3		of_	3	
Geo Solvies Loc.					DATE August 2-4, 2004					
Geotechnical, Environmental & Givil Engineering	SOIL BORING LOG			LOGGED BY TOB						
Naper (ITe) 111 to 60565						GSI JOB No				
BOUTE EAP 8+0 346	EC CR IP	ETON	Nov 1	n	2200	001 000 140	, <u>b</u>	1 1		
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 Rotary HAMMER TYPE D-120 Safety Hammer								er_		
STRUCT.NO. <u>SN 049-0209</u> Station	D	В	U	М	Surface Water Elev. n/a Stream Bed Elev n/a		D	В	U	М
BORING NO. B-1	E P	L	. C	0			E	L	C S	0
Station 529+94.5 US 41 Centerline	T	W S	Qu	S	Groundwater Elevation: First Encounter <u>n/a</u>	•	T H	W	Qu	S
Offset <u>37.05' Right</u>	''	J	33		Upon Completion <u>n/a</u>	F7	11	3	G G	'
Ground Surface Ele <u>v. 698.8</u>	(f t)	(/6")	(tsf)	(%)	AfterHrs.	<u> </u>	(ft)	(/6")	(tsf)	(%)

	-				CLAY-gray-stiff to very s	+.ff (A_C)				
CLAY-gray-stiff to very stiff (A-6)					CEAT gray still to very s	CTI I (H O)				
		11		121				1Ø		113
	-85	14	1 1D	15			-1Ø5	12	250	10
		10	1.10	15			100	. 14	Z.OD	18
		7						11		1005
		1Ø						14		100
	-90	16	2.ØP	17			-110	23	3 . 4B	23
	***************************************					585.8	_			
	-	11 21		120	SILTY LOAM-gray-very den	se (A-4)		37 67		
	-95	27	1.1B	15		583.8	-115	67 72	NP	17
	\exists				End of Boring @ -115.0'					
					Rotary Drilling to Comple 85.0' Casing Used	tion				
					D-120 Safety Hammer					
	1									
		8		120						
		12								

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 (pof) is noted in italics above moist (%)

TY:LININTERNATIONAL

DESIGNED	-	MAF
CHECKED	-	AD
DRAWN	-	MAF
CHECKED		AD

BORING LOG B-1 (2 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. Ø49-Ø2Ø9