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Consulting Geotechnical and Environmental Engineers  
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**BORING LOG P-009**  
WEI Job No.: 414-07-01

Datum: CCD  
Elevation: 0.24 ft  
North: 1842782.14 ft  
East: 1177855.69 ft  
Station: 2214+13.66  
Offset: 56.76' RT

Client: T. Y. LIN International, Inc.  
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)  
Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0.0	7-inch thick CONCRETE --PAVEMENT--	0.0													
0.4	5-inch thick CRUSHED STONE --BASE COURSE--	0.4													
1.5	Medium dense, gray GRAVELLY SAND --FILL--	1.5		1	10	1.50	19								
2.5	Stiff, gray CLAY with gravel	2.5		2	6										
	Loose, brown and gray SANDY LOAM			3	3										
5.0	Medium dense, gray SILT	5.0		3	5		16								
7.5	Medium dense, gray, coarse SAND	7.5		4	5		18								
9.0	Hard, gray SILTY CLAY	9.0		5	1	4.50	11								
10.8	Boring terminated at 11.00 ft	10.8													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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**BORING LOG P-010**  
WEI Job No.: 414-07-01

Datum: CCD  
Elevation: 2.04 ft  
North: 1843013.15 ft  
East: 1177849.09 ft  
Station: 2216+44.77  
Offset: 56.77' RT

Client: T. Y. LIN International, Inc.  
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)  
Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0.0	2-inch thick, loose ASPHALT debris --PAVEMENT--	0.0													
0.3	Loose, brown and black, coarse SAND --FILL--	0.3		1	4	2.75	15								
1.2	Very stiff, gray CLAY --FILL--	1.2		3	3										
2.0	Brown, coarse SAND --FILL--	2.0		2	4	4.50	18								
5.0	Hard, gray SILTY CLAY	5.0		3	2										
6.0		6.0		3	9	4.50	13								
7.0		7.0		4	7	4.50	13								
10.0		10.0		5	4	4.50	12								
10.8	Boring terminated at 11.00 ft	10.8													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

**LEGEND**

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

**TYLIN** INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
SOIL BORINGS P-009 & P-010

SCALE: N.T.S.      DRAWN BY: RTM  
DATE: MARCH 7, 2006      CHECKED BY: MPG