

**Wang Engineering, INC.**  
 Consulting Geotechnical and Environmental Engineers  
 wangeng3@wangeng.com  
 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
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**BORING LOG SP-11**  
 WEI Job No.: 414-07-01

Datum: CCD  
 Elevation: 5.57 ft  
 North: 1839428.14 ft  
 East: 1176532.16 ft  
 Station: 405+75  
 Offset: 35' 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 No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4.6	12-inch thick, black LOAM --TOPSOIL--	4	1	4	NP	9							
	Very stiff, gray CLAY, trace gravel	4											
		6											
		6											
		20											
		10	2	3.25	P	15							
		10											
		11											
	Very soft to medium stiff, gray CLAY	5	3	5	P	19							
		4											
		4											
		3											
		2	4	0.25	P	21							
		1											
		2											
		2											
	Very stiff to hard, gray CLAY, trace gravel	2	5	4.00	P	14							
		1											
		3											
		4											
		10	6	4.00	P	13							
		3											
		4											
		5											
		7											
	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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**BORING LOG SP-12**  
 WEI Job No.: 414-07-01

Datum: CCD  
 Elevation: 5.33 ft  
 North: 1839524.55 ft  
 East: 1176833.19 ft  
 Station: 408+90  
 Offset: 33' 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 No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4.4	10-inch thick, CONCRETE --PAVEMENT--	4											
4.5	14-inch thick, CRUSHED STONE --BASE COURSE--	4											
	Very loose to dense, brown and green, medium to coarse SAND	5	1	5	NP	6							
		7											
		19	2	19	NP	38							
		14											
		7											
		8	3	12	NP	22							
		5											
		4											
		0											
		0											
		0											
	Very stiff, gray SILTY CLAY	2	4	0.0	NP	24							
		3											
		3											
		3	5	3.00	P	14							
		4											
		10											
		3	6	2.50	P	15							
		4											
		5											
	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2005	Complete Drilling	09-12-2005	While Drilling	∇	7.00 ft	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	S. Sugarto	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
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 SP-11 & SP-12**

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