

**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 P-109**

WEI Job No.: 414-07-01  
 Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Datum: CCD  
 Elevation: -7.16 ft  
 North: 1855475.85 ft  
 East: 1177256.23 ft  
 Station: 1341+01.81  
 Offset: 60.43' LT

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**BORING LOG P-110**

WEI Job No.: 414-07-01  
 Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Datum: CCD  
 Elevation: -9.42 ft  
 North: 1855179.06 ft  
 East: 1177265.80 ft  
 Station: 1338+04.88  
 Offset: 57.85' LT

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	11-inch thick CONCRETE --PAVEMENT--												
8.1	4-inch thick CRUSHED STONE --BASE COURSE--												
4.4	Hard, brown and gray CLAY --FILL--	1	1	6	4.50	16							
				4									
				3									
				6									
				6									
10.2	Hard, gray CLAY	2	2	4	4.50	13							
				3									
				6									
				5									
12.4	Medium dense, gray SILT to SILTY LOAM	3	3	8	NP	17							
				12									
				14									
				12									
14.4	Hard, gray SILTY CLAY, with silt interbeds	4	4	7	4.50	12							
				7									
				7									
				8									
				11									
19		5	5	7	4.50	12							
				9									
				10									
				10									
18.2	Boring terminated at 11.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	11-inch thick CONCRETE --PAVEMENT--												
10.3	4-inch thick CRUSHED STONE --BASE COURSE--												
4.4	Hard, gray CLAY	1	1	12	4.50	13							
				4									
				3									
				4									
12.2	Medium dense, gray SILT to SILTY LOAM	2	2	8	NP	23							
				7									
				8									
				12									
16.7	Hard, gray CLAY, with sand and silt interbeds	4	4	9	4.50	13							
				9									
				13									
				12									
20.4	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-19-2003	Complete Drilling	06-19-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	S. Janowski	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.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-19-2003	Complete Drilling	06-19-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	S. Janowski	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-109 & P-110

SCALE: N.T.S.      DRAWN BY: MPG  
 DATE: MARCH 1, 2006      CHECKED BY: JPM