

**Wang Engineering, Inc.**  
 Consulting Geotechnical and Environmental Engineers  
 wangeng3ewangeng.com  
 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG JP-20** Page 1 of 1

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: -8.09 ft  
 North: 1854392.58 ft  
 East: 1177268.59 ft  
 Station: 1330+19.51  
 Offset: -74.53 LT

**Wang Engineering, Inc.**  
 Consulting Geotechnical and Environmental Engineers  
 wangeng3ewangeng.com  
 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG JP-23** Page 1 of 1

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: -12.44 ft  
 North: 1854894.78 ft  
 East: 1177258.96 ft  
 Station: 1335+20.83  
 Offset: -71.37 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-8.4	4-Inch thick, brown SILTY CLAY --TOPSOIL--														
-9.2	Hard, black SILTY CLAY, trace organic matter --FILL--														
	Very stiff to hard, brown and gray, gravelly CLAY to SILTY CLAY	1		1	5 5 5	3.53	19								
		5		2	6 4 7	3.77	16								
		5		3	3 6 7	3.94	12								
		10		4	4 5 8	5.08	12								
		15		5	4 7 9	4.92	12								
		15		6	4 7 9	4.59	14								
		20		7	3 5 10	3.61	12								
		20		8	3 6 9	4.26	14								
-29.6	Medium dense, gray SAND														
-30.4	Hard, gray, gravelly CLAY to SILTY CLAY														
-31.1	Boring terminated at 23.00 ft														
		25		9	7 11 13 16	2.30	15								

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	14-inch thick, black SILTY CLAY LOAM														
-13.6	Hard, brown and gray CLAY														
-15.4	Very stiff to hard, gray, gravelly CLAY to SILTY CLAY														
		5		1	5 5 8	4.50	13								
		5		2	6 7 9	3.36	13								
		5		3	6 13 20	8.86	12								
-20.4	Stiff to very stiff, gray CLAY to CLAY LOAM														
		10		4	5 19 25	2.90	15								
		15		5	10 25 51	2.10	15								
		15		6	4 16 25	2.25	15								
-28.9	Boring terminated at 16.50 ft														
		20		7	16 26 28	1.50	11								
		25													

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-29-2003	Complete Drilling	04-29-2003	While Drilling	▽ 21.50 ft
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	▽ 20.50 ft
Driller	K&J	Logger	J. Kasnick	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.					

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-29-2003	Complete Drilling	04-29-2003	While Drilling	▽ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	▽ DRY
Driller	K&J	Logger	J. Kasnick	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 JP-20 & JP-23

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