

**Wang Engineering, INC.**  
 Consulting Geotechnical and Environmental Engineers  
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 Lombard, IL 60148  
 Telephone: 630 953-9928  
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**BORING LOG JP-47** 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: 8.28 ft  
 North: 1840420.73 ft  
 East: 1177984.72 ft  
 Station: 246+82.74  
 Offset: 301.1 RT

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 (%)
7.0	16-inch thick, black LOAM --TOPSOIL--														
	Medium stiff to very stiff, gray, gravelly CLAY, with silt and sand interbeds	1	X	1	5 4 6	3.53 B	13			11	X	11	20 12 14	6.81 S	11
		2	X	2	1 2 2	1.89 B	18			30	X	12	10 11 14	6.81 S	12
		3	X	3	1 0 0	0.74 B	21				X	13	8 16 20	6.31 S	12
		4	X	4	0 6 7	2.95 B	18	-26.2	Dense, gray, medium to coarse, 35 GRAVELLY SANDY LOAM, dry	35	X	14	4 7 13	3.28 B	14
		5	X	5	7 12 13	2.25 P	12	-28.7	Very stiff, gray, gravelly SILTY CLAY		X				
-3.9	Medium dense, gray, gravelly coarse SAND														
-4.7	Very stiff to hard, gray, gravelly CLAY	6	X	6	3 7 10	6.23 S	11	-31.7	Boring terminated at 40.00 ft	40	X				
		7	X	7	2 5 6	3.61 B	13				X				
		8	X	8	2 4 6	3.77 B	16			45	X				
		9	X	9	4 4 5	2.71 B	18				X				
		10	X	10	2 4 6	3.03 B	18			50	X				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-06-2003	Complete Drilling	05-06-2003	While Drilling	▽	12.30 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽		
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.							

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**BORING LOG JP-48** 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: 10.60 ft  
 North: 1840403.42 ft  
 East: 1177936.91 ft  
 Station: 246+51.80  
 Offset: 264.6 RT

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 (%)
10.60	3-inch thick ASPHALT --PAVEMENT--														
9.6	9-inch CONCRETE --PAVEMENT--														
8.2	Medium dense, brown, fine SAND --BASE COURSE--														
	Medium stiff to stiff, gray CLAY	1	X	1	11 4 3	NP	13			11	X	11	4 6 8	4.26 B	13
		2	X	2	3 2 3	1.15 B	19			30	X	12	5 9 14	5.82 B	12
		3	X	3	2 1 2	0.57 B	20				X	13	6 11 14 15	8.28 B	11
		4	X	4	1 1 1	0.82 B	19				X				
		5	X	5	11 11 14	NP	16			35	X				
		6	X	6	5 7 10	6.40 B	12				X				
		7	X	7	4 9 10	6.07 B	12			40	X				
		8	X	8	3 7 9	5.58 B	13			45	X				
		9	X	9	4 4 7	3.28 B	16				X				
		10	X	10	5 7 5	2.95 B	18			50	X				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-29-2003	Complete Drilling	05-29-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&J	Logger	S. Patel	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-47 & JP-48

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