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**BORING LOG SB 01-03**

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: 13.35 ft  
North: 1842817.66 ft  
East: 1177888.52 ft  
Station: 2214+48.2  
Offset: 90.587' RT

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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 (%)
11.4	2-inch thick, ASPHALT --PAVEMENT--	11.4					11.4		11.4				
10.4	10-inch thick, CONCRETE --PAVEMENT--	10.4					10.4		10.4				
9.5	9-inch thick, CRUSHED STONE --BASE COURSE--	9.5	1	9 6 3 5	3.50 P	16	9.5		9.5	12	5 7 10	4.67 B	14
10.4	Very stiff, brown and gray CLAY --FILL--	10.4	2	7 7 5	NP	6	10.4		10.4	13	5 8 10	4.84 B	13
10.4	Loose to medium dense, brown medium SAND --FILL--	10.4	3	6 5 3 2	NP	10	10.4		10.4	14	10 15 17	> 4.50 P	13
10.4		10.4	4	3 1 1 2	NP	16	10.4		10.4	15	10 18 19	6.31 S	10
10.4		10.4	5	4 2 1 1	NP	25	10.4		10.4	16	50 25	NP	3
2.4	Very soft, gray CLAY	2.4	6	1 1 2 2	0.16 B	21	2.4		2.4				
0.4	Very stiff, gray CLAY	0.4	7	1 1 4 6	2.71 B	19	0.4		0.4				
-3.1	Medium dense, gray SILTY LOAM	-3.1	8	4 10 13	NP	15	-3.1	--Rock chips recovered in last sample--	-3.1				
-7.1	Hard, gray SILTY CLAY, with gravel	-7.1	10	5 8 9	4.67 B	13	-7.1	Boring terminated at 44.90 ft	-7.1				
		25	11	6 9 11	5.25 B	12							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-22-2004	Complete Drilling	01-22-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	H. Suhail	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 SB 01-04**

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: 15.29 ft  
North: 1842745.19 ft  
East: 1177895.70 ft  
Station: 2213+75.6  
Offset: 95.697' RT

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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 (%)
11.4	2-inch thick, ASPHALT --PAVEMENT--	11.4					11.4		11.4				
10.4	10-inch thick, CONCRETE --PAVEMENT--	10.4					10.4		10.4				
9.5	9-inch thick, CRUSHED STONE --BASE COURSE--	9.5	1	4 7 10	NP	5	9.5		9.5	11	4 5 8	4.35 B	14
10.4	24-inch thick, CRUSHED STONE --BASE COURSE--	10.4	2	3 2 3	NP	7	10.4		10.4	12	9 16 18		
10.4	Very loose to loose, brown medium SAND --FILL--	10.4	3	2 2 3	NP	8	10.4		10.4	13	6 13 20	10.00 B	10
10.4		10.4	4	1 1 1	NP	26	10.4		10.4	14	9 11 19	6.15 B	19
3.8	Very soft to soft, gray CLAY	3.8	5	0 0 0	0.08 B	25	3.8		3.8				
0.2	Hard, gray CLAY	0.2	6	0 1 1	0.25 B	22	0.2		0.2				
-2.7	Medium dense, gray SILTY LOAM	-2.7	7	5 10 13	5.08 B	14	-2.7		-2.7				
-7.1	Medium dense, gray SILTY LOAM	-7.1	8	8 12 14	NP	14	-7.1	Medium dense, gray GRAVELLY SAND	-7.1	15	12 13 20	NP	13
-7.1	Hard, gray SILTY CLAY, with gravel	-7.1	9	9 12 17	NP	19	-7.1	Hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM	-7.1	16	50 25	> 4.50 P	8
		25	10	5 7 11	5.00 B	13							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2004	Complete Drilling	01-21-2004	While Drilling	∇	42.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	8.00 ft	
Driller	J&B	Logger	H. Suhail	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 SB 01-03 & SB 01-04

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