

USE THIS BORING FOR HMLT - 60AB1

Wang Engineering, INC.  
 Consulting Geotechnical and Environmental Engineers  
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**BORING LOG SB 33-03**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: 15.36 ft  
 North: 1841899.95 ft  
 East: 1177629.03 ft  
 Station: 155+92.9  
 Offset: 109.712' LT

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

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 (%)
15.1	3-inch thick, ASPHALT --PAVEMENT--	0					-10.1	Very stiff to hard, gray SILTY CLAY, with gravel	0	11	7 9 15	4.92	11
14.6	7-inch thick, CONCRETE --PAVEMENT--	1	6 4 8	4.50	32				1	12	6 14 15	5.25	12
14.1	6-inch thick, CRUSHED STONE --BASE COURSE--	2	3 3 3						2	13	10 13 21	7.13	13
10.4	Hard, gray CLAY	5	1 1 1	0.25	21				3	14	9 27 40	4.02	14
	Very soft, gray CLAY	10	1 1 1	0.16	24				4	15	17 24 25	9.84	15
	--LL=31%, PL=18%--	15	1 1 1	0.25	24		-23.8	Very dense, gray gravelly SILTY LOAM	15	16			
		20	8 9 11	NP	17		-26.6	Hard, gray gravelly SILTY CLAY	20	17			
-1.2	Very stiff, gray CLAY	25	7 10 10	6.15	16		-29.6	Boring terminated at 45.00 ft	25	18			
-3.6	Medium dense, gray SAND	30	4 15 23	6.48	13				30	19			
-5.8	Hard, gray CLAY, with gravel	35							35	20			
-8.8	Dense, gray SILT	40							40	21			

<b>GENERAL NOTES</b>		<b>WATER LEVEL DATA</b>	
Begin Drilling	02-09-2004	Complete Drilling	02-09-2004
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR
Driller	J&L	Logger	K. Jacob
Checked by	N. Davis	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.		While Drilling <input checked="" type="checkbox"/> 19.25 ft	
		At Completion of Drilling <input checked="" type="checkbox"/> DRY	

USE THIS BORING FOR HMLT - 60I4

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**BORING LOG SB 34-01**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: 15.93 ft  
 North: 1842437.11 ft  
 East: 1177613.92 ft  
 Station: 1210+57.1  
 Offset: 133.433' LT

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

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 (%)
15.9	4-inch thick, ASPHALT --PAVEMENT--	0							0	11	6 7 11	4.26	14
14.9	8-inch thick, CONCRETE --PAVEMENT--	1	11 6 4	1.07	21				1	12	5 8 12	5.49	13
12.9	Stiff, black and brown CLAY --FILL--	2	5 2 3	0.49	36				2	13	4 6 13	3.20	12
	Very soft, brown and gray CLAY	5	1 1 2	0.25	21				3	14	10 11 16	4.10	18
		10	1 1 1	0.16	24				4	15			
		15	1 1 1	0.25	18		20.6	Hard, gray CLAY	15	16			
		20	1 1 2	0.25	19		24.1	Boring terminated at 40.00 ft	20	17			
0.4	Very dense, gray SANDY GRAVEL	25	15 33 35	NP	5				25	18			
-2.4	Medium dense, gray SANDY LOAM, with interbeds of silt	30	9 11 12	NP	15				30	19			
-4.6	Very stiff to hard, gray SILTY CLAY, with gravel	35	6 10 14	5.08	10				35	20			
		40	5 7 8	5.49	14				40	21			

<b>GENERAL NOTES</b>		<b>WATER LEVEL DATA</b>	
Begin Drilling	02-06-2004	Complete Drilling	02-06-2004
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR
Driller	J&L	Logger	N. Davis
Checked by	S. Jagnowski	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.		While Drilling <input checked="" type="checkbox"/> 18.80 ft	
		At Completion of Drilling <input checked="" type="checkbox"/> DRY	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	717
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9		62695		

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)  
 BORING LOGS SB33-03 & SB34-01

S.N. \_\_\_\_\_ DESIGNED BY: DJR  
 SCALE: N.T.S. DRAWN BY: DJR  
 DATE: MARCH 25, 2005 CHECKED BY: DAK