

**BLOOM COMPANIES, LLC. CHICAGO, ILLINOIS**

**BORING LOG**

JOB NO: **BM3-1272** CLIENT: **ILLINOIS DEPARTMENT OF TRANSPORTATION** BORING NO: **BR1-1**  
 PROJECT: **IL-53 Improvements - Thorndale Avenue to Army Trail Road** STATION: **83+67**  
 LOCATION: **Barrier Wall No. 1** OFFSET: **21' LT**  
 BORING RIG & METHOD: **Diedrich D-50 w/Hollow Stem Augers** SURF ELEV: **743.7**

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %
	0.0-1.0	742.7	FILL: Gr Sand and Gravel w/ Silt A-1-a		Auger 5			10.5
	1.0-2.5			14	6-7	2.5	15	15.0
	3.5-5.0		Very Stiff Br to Green Silty Clay A-4, trace Gravel	18	3 4-6	3.3	15	19.2
	6.0-7.5	735.7		17	5 7-11	2.5	15	19.4
10	8.5-10.0	732.7	Very Stiff Gr Clay A-6, trace Gravel	17	4 5-6	2.1	15	16.8
	11.0-12.5	730.7	Medium Dense Gr Sand A-3, little Gravel	14	3 6-6			9.4
	13.5-15.0		Loose to Medium Dense Gr Sandy Loam A-1-b, trace Gravel	13	4 4-5			12.9
	16.0-17.5	725.7		6	6 9-9			23.9
20	18.5-20.0		Stiff to Very Stiff Gr Clay A-6, trace Gravel	12	4 4-5	1.9	15	16.4
	21.0-22.5	720.7		13	3 5-6	2.1	15	19.9
	23.5-25.0	718.7	Very Stiff Gr Silty Clay Loam A-6, trace Gravel	17	4 5-8	2.1	15	14.3

Boring terminated at 25'

REMARKS Automatic Hammer Used.

( ) Denotes Calibrated Penetrometer Estimate

WATER 13 FT. ELEV. 730.7 DURING DRILLING  CORE SIZE IN. DATE: Jan 13, 10  
 WATER Caved@13 FT. ELEV. 730.7 AT COMPLETION  CASING LENGTH FT. DRILLER: Shlimon  
 WATER FT. ELEV. AFTER HRS.  CASING DIAMETER IN. INSPECTOR: Kuzel

**BLOOM COMPANIES, LLC. CHICAGO, ILLINOIS**

**BORING LOG**

JOB NO: **BM3-1272** CLIENT: **ILLINOIS DEPARTMENT OF TRANSPORTATION** BORING NO: **BR1-2**  
 PROJECT: **IL-53 Improvements - Thorndale Avenue to Army Trail Road** STATION: **85+14**  
 LOCATION: **Barrier Wall No. 1** OFFSET: **19' LT**  
 BORING RIG & METHOD: **Diedrich D-50 w/Hollow Stem Augers** SURF ELEV: **742.3**

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %
	0.0-1.0	741.3	FILL: Gr Sand and Gravel w/ Silt, A-1-a		Auger 8			8.9
	1.0-2.5	739.3	Hard Br Silty Clay Loam A-4, trace Gravel 3" Sand Seam noted @ 2.2'	15	8-11	4.1	15	12.0
	3.5-5.0		Very Stiff Br Clay A-6, trace Gravel	17	4 7-9	2.9	15	18.3
	6.0-7.5	734.8		16	4 7-10	2.5	15	16.3
10	8.5-10.0			17	4 5-7	2.1	15	16.5
	11.0-12.5			16	4 6-9	2.1	15	16.4
	13.5-15.0		Very Stiff to Stiff Br to Gr Clay A-6, trace Gravel	17	3 5-8	2.3	15	16.8
	16.0-17.5			14	4 4-7	2.6	15	17.0
20	18.5-20.0	722.3		17	3 5-8	1.7	15	18.8

Boring terminated @ 20'

REMARKS Automatic Hammer Used.

( ) Denotes Calibrated Penetrometer Estimate

WATER 14.5 FT. ELEV. 727.8 DURING DRILLING  CORE SIZE IN. DATE: Jan 11, 10  
 WATER Caved@14 FT. ELEV. 728.3 AT COMPLETION  CASING LENGTH FT. DRILLER: Shlimon  
 WATER FT. ELEV. AFTER HRS.  CASING DIAMETER IN. INSPECTOR: Kuzel

DESIGNED - N/A  
 CHECKED - N/A  
 DRAWN - A. Durbak  
 CHECKED - R. DiGiulio

**NOISE WALL - SOIL BORINGS 1  
 ILLINOIS ROUTE 53  
 FAU 2578 SECTION 532B-1  
 DUPAGE COUNTY**

**PATRICK ENGINEERING**  
 PATRICK ENGINEERING INC.  
 4970 VARSITY DRIVE  
 LISLE, IL 60532  
 patrickengineering.com

SHEET NO. S13 OF S25	F.A.P RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 592
	CONTRACT NO. 60477				
12/3/2010		ILLINOIS FED. AID PROJECT			