

BLOOM COMPANIES, LLC.		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: BM3-1272 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: BR4-L3						
PROJECT: IL-53 Improvements - Thorndale Avenue to Army Trail Road		STATION: 175+69						
LOCATION: Barrier Wall No. 4		OFFSET: 13' LT						
BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers		SURF ELEV: 699.2						
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	$q_u$	STRAIN %	WATER CONTENT %
	0.0-1.0	698.4	8" Bituminous Concrete		Auger			
	1.0-2.5		2" Sand A-1-a	8	2-4	(1.8)		18.9
	3.5-5.0			15	2	3-4	1.7	15
	8.0-7.5		FILL: Black to Gr Clay A-6, trace Gravel and little Organics	13	2	4-8	(3.0)	27.8
	8.5-10.0			15	2	4-6	1.2	15
	11.0-12.5	699.2		12	3	3-6	(2.5)	40.9
	13.5-15.0	683.2	Very Stiff Br to Gr Clay A-6, trace Gravel	13	3	2-4	2.0	15
	16.0-17.5	690.2	Medium Stiff Br to Gr Sandy Clay A-6, trace Gravel	18	0	1-1	(0.8)	27.8
	18.5-20.0	679.2	Loose to Very Loose Gr Sand A-3, little Gravel	12	1	2-3		36.9
	21.0-22.5	679.2		18	1	1-2		20.5
	23.5-25.0		Stiff Br to Gr Sandy Clay A-6, trace Gravel	18	2	1-2	(1.0)	17.8
	26.0-27.5	671.2		18	1	2-3	(1.3)	20.7
	28.5-30.0			18	3	2-5		21.9
	31.0-32.5		Loose to Medium Dense Gr Sand A-3, little Gravel, trace Clay	15	2	4-8		15.1
	33.5-35.0	664.2		18	5	6-9		19.0
Boring terminated @ 35'								
REMARKS: Automatic Hammer Used.						() Denotes Calibrated Penetrometer Estimate		
WATER	16 FT. ELEV.	683.2	DURING DRILLING	✓	CORE SIZE	IN. DATE:	Mar 29, 10	
WATER	11.5 FT. ELEV.	687.7	AT COMPLETION	✓	CASING LENGTH	FT. DRILLER:	Shimon	
WATER	FT. ELEV.		AFTER HRS.	✓	CASING DIAMETER	IN. INSPECTOR:	Alsalam	

BLOOM COMPANIES, LLC.		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: BM3-1272 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: BR4-L4						
PROJECT: IL-53 Improvements - Thorndale Avenue to Army Trail Road		STATION: 176+71						
LOCATION: Barrier Wall No. 4		OFFSET: 15' LT						
BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers		SURF ELEV: 700.2						
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	$q_u$	STRAIN %	WATER CONTENT %
	0.0-1.0	699.4	8" Bituminous Concrete		Auger			
	1.0-2.5		2" Sand A-1-a	10	3-4	(3.5)		14.3
	3.5-5.0			15	3	3-4	1.7	15
	6.0-7.5		FILL: Br to Gr Clay A-6, trace Gravel and Organics	10	2	2-3	0.5	15
	8.5-10.0			12	3	3-4	1.3	15
	11.0-12.5	687.2		6	2	2-2	(0.8)	24.9
	13.5-15.0	684.7	Very Stiff Br Clay A-6, trace Gravel	17	3	4-6	2.8	15
	16.0-17.5			12	1	2-4	(0.3)	19.2
	18.5-20.0	679.2	Soft to Medium Stiff Gr Sandy Clay A-4, trace Gravel	15	4	5-7	(0.6)	20.0
	21.0-22.5			18	3	6-10		20.2
	23.5-25.0			18	5	5-8		19.7
	26.0-27.5		Medium Dense Fine Sand A-3, trace Gravel	18	5	5-8		17.8
	26.0-27.5		6" Clay Seam @ 26.5' (Hard Gr Clay A-6)	18	5	8-11	3.8	15
	28.5-30.0	670.2		18	5	6-8		19.9
	31.0-32.5		Very Stiff to Stiff Gr Clay A-6, little Gravel	14	4	5-9	2.3	15
	33.5-35.0	665.2		18	5	6-10	1.4	15
Boring terminated @ 35'								
REMARKS: Automatic Hammer Used.						() Denotes Calibrated Penetrometer Estimate		
WATER	17 FT. ELEV.	683.2	DURING DRILLING	✓	CORE SIZE	IN. DATE:	Mar 29, 10	
WATER	12.5 FT. ELEV.	687.7	AT COMPLETION	✓	CASING LENGTH	FT. DRILLER:	Shimon	
WATER	FT. ELEV.		AFTER HRS.	✓	CASING DIAMETER	IN. INSPECTOR:	Alsalam	

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

**NOISE WALL - SOIL BORINGS 8  
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. S20 OF S25	F.A.P RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 599
	CONTRACT NO. 60477				
12/3/2010		ILLINOIS FED. AID PROJECT			