

BLOOM COMPANIES, LLC.		BORING LOG				CHICAGO, ILLINOIS			
JOB NO: BM3-1272		CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: B-1		STATION: 119+34			
PROJECT: Bridge Replacement at Cumberland Avenue and I-90		LOCATION: Bridge North Abutment		OFFSET: 44' RT		SURF ELEV: 653.3			
BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers									
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %	
0.0-1.0		652.0	15" Bituminous Concrete		Auger				
1.3-2.8		650.3	FILL: Br Sand A-3	12	4-3			13.1	
3.5-5.0				10	2-4	1.4	15	19.4	
6.0-7.5				12	4-5	2.8	15	18.9	
8.5-10.0			FILL: Br to Gr Silty Clay A-6, trace Gravel	17	4-7	2.4	15	16.8	
11.0-12.5				16	4-6	2.4	15	24.2	
13.5-15.0				17	3				
16.0-17.5		635.3		16	5-10	2.7	15	16.2	
18.5-20.0			FILL: Green to Black Silty Clay A-7-6, trace Gravel and Organics	15	6-9	2.5	15	31.7	
21.0-22.5		631.3		17	5-8	2.7	15	22.3	
23.5-25.0			Very Stiff to Hard Green to Gr Silty Clay A-6, trace Gravel	17	6-6	2.9	15	23.8	
26.0-27.5		625.3		16	9-12	6.0	15	20.9	
28.5-30.0				17	5-6	1.7	15	23.0	
33.5-35.0			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel	18	4-6	1.9	15	23.7	
38.5-40.0				17	4-6	2.0	15	20.5	
REMARKS Automatic Hammer Used					( ) Denotes Calibrated Penetrometer Estimate				
WATER	75 FT. ELEV.	578.3	DURING DRILLING	∇	CORE SIZE	IN.	DATE:	Apr 13, 10	
WATER	FT. ELEV.		AT COMPLETION	∇	CASING LENGTH	FT.	DRILLER:	Shlmon	
WATER	caved@36 FT. ELEV.	617.3	AFTER 26 HRS.	∇	CASING DIAMETER	IN.	INSPECTOR:	Alsalam	

BLOOM COMPANIES, LLC.		BORING LOG				CHICAGO, ILLINOIS			
JOB NO: BM3-1272		CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: B-1 (cont.)		STATION: 119+34			
PROJECT: Bridge Replacement at Cumberland Avenue and I-90		LOCATION: Bridge North Abutment		OFFSET: 44' RT		SURF ELEV: 653.3			
BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers									
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %	
43.5-45.0			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel	18	4-6-7	2.6	15	22.6	
48.5-50.0		606.3		18	4-5-7	3.9	15	12.7	
53.5-55.0			Very Stiff to Stiff Gr Silty Clay A-6, trace Gravel	18	4-5-7	2.5	15	17.2	
58.5-60.0		596.3		18	5-8-10			10.3	
63.5-65.0			Medium Dense to Dense Gr Silt A-4, trace Gravel	18	10-11-20			17.6	
68.5-70.0				16	12-13-20			11.7	
73.5-75.0		581.3	Very Stiff Gr Clay Loam A-6, trace Gravel	18	12-13-17	3.8	15	12.9	
78.5-80.0		576.3	Hard Gr Silty Loam A-6, trace Gravel (Hardpan)	8	22-26-30	(+4.5)		13.5	
Boring terminated @ 80'									
REMARKS Automatic Hammer Used					( ) Denotes Calibrated Penetrometer Estimate				
WATER	75 FT. ELEV.	578.3	DURING DRILLING	∇	CORE SIZE	IN.	DATE:	Apr 13, 10	
WATER	FT. ELEV.		AT COMPLETION	∇	CASING LENGTH	FT.	DRILLER:	Shlmon	
WATER	caved@36 FT. ELEV.	617.3	AFTER 26 HRS.	∇	CASING DIAMETER	IN.	INSPECTOR:	Alsalam	

BLOOM COMPANIES, LLC.		BORING LOG				CHICAGO, ILLINOIS			
JOB NO: BM3-1272		CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: B-2		STATION: 119+18			
PROJECT: Bridge Replacement at Cumberland Avenue and I-90		LOCATION: Bridge North Abutment		OFFSET: 33' LT		SURF ELEV: 653.6			
BORING RIG & METHOD: Diedrich D-50 w/Hollow Stem Augers									
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %	
0.0-1.0		652.6	3" Bituminous Concrete		Auger				1.5
1.0-2.5			9" P.C. Concrete	15	4-3-3			18.0	
3.5-5.0		649.1	FILL: Br to Gr Sand A-3, trace Clay	16	2-3-3	(1.3)		19.4	
6.0-7.5				12	2-3	1.2	15	19.3	
8.5-10.0				16	2-3-5	2.1	15	17.7	
11.0-12.5			FILL: Br to Gr Silty Clay A-6, trace Gravel	17	3-4-7	2.4	15	23.6	
13.5-15.0				17	3-4-7	2.1	15	22.0	
16.0-17.5				3	5-9-10	2.7	15	18.5	
18.5-20.0				15	3-5	1.0	15	18.3	
21.0-22.5		632.1		11	3-5	2.0	15	34.7	
23.5-25.0			FILL: Black to Gr Sand A-3, little Clay, trace Cinders	13	1-4			22.8	
26.0-27.5		628.1		18	6-8-13	4.7	15	21.4	
28.5-30.0			Hard to Very Stiff Gr Clay A-6, trace Gravel	16	3-5-6	2.5	15	19.3	
33.5-35.0		621.6		18	3-6-8	1.1	15	17.3	
38.5-40.0		619.1	Stiff Gr Silty Clay A-6, trace Gravel	18	3-6-8				
			Stiff Gr Clay A-6 (12), trace Gravel						
40		613.6		18	2-4-5	1.7	15	20.0	
REMARKS Automatic Hammer Used.					( ) Denotes Calibrated Penetrometer Estimate				
WATER	30 FT. ELEV.	623.6	DURING DRILLING	∇	CORE SIZE	IN.	DATE:	Apr 15, 10	
WATER	FT. ELEV.		AT COMPLETION	∇	CASING LENGTH	FT.	DRILLER:	Shlmon	
WATER	Caved@61 FT. ELEV.	592.6	AFTER 1/4 HRS.	∇	CASING DIAMETER	IN.	INSPECTOR:	Alsalam	