

BLOOM COMPANIES, LLC.		BORING LOG		CHICAGO, ILLINOIS				
JOB NO:	BM3-1272	CLIENT:	ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO:	B-5			
PROJECT:	Bridge Replacement at Cumberland Avenue and I-90	STATION:	3384+08	OFFSET:	27' LT			
LOCATION:	I-90 Westbound Inside Shoulder	SURF ELEV.:	635.7					
BORING RIG & METHOD:	Diedrich D-50 w/Hollow Stem Augers							
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0	634.2	4" Bituminous Concrete		Auger			
	1.0-2.5		8" P.C. Concrete	6	5			
			6" Sand A-1-a		2-4			26.6
			Very Stiff Br Silty Clay A-6		2			
	3.5-5.0	630.2		14	4-6	2.2	15	20.7
			Loose Br Sand A-1-a		2			
	6.0-7.5	627.7		13	1-4			20.6
			Hard Br Silty Clay A-6, trace Gravel		4			
	8.5-10.0			13	7-11	6.0	15	15.4
			Medium Dense Gr Silt A-4		5			
	11.0-12.5	622.7		16	7-8	5.2	15	22.3
			Medium Dense Gr Silt A-4		3			
	13.5-15.0	620.2		18	5-6			17.8
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	16.0-17.5			15	3-7	3.2	15	19.8
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	18.5-20.0			15	5-7	3.2	15	21.1
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	21.0-22.5			18	3-5	2.0	15	21.1
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	23.5-25.0			17	4-6	2.2	15	20.4
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	26.0-27.5			18	4-5	2.3	15	20.2
			Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	28.5-30.0			18	7-7	3.1	15	17.0
		603.7						
	33.5-35.0			18	5			14.5
			Medium Dense to Dense Gr Silt A-4, trace Gravel		5-6			
	38.5-40.0			18	7-11			15.1
REMARKS Automatic Hammer Used. * Water introduced into borehole below 53' due to blowing Sand. () Denotes Calibrated Penetrometer Estimate								
WATER	50 FT. ELEV.	585.7	DURING DRILLING	☒	CORE SIZE	IN.	DATE:	Mar 16, 10
WATER	FT. ELEV.		AT COMPLETION	☒	CASING LENGTH	FT.	DRILLER:	Shlmon
WATER	* FT. ELEV.		AFTER 1/4 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-5 (cont.)			
PROJECT:	Bridge Replacement at Cumberland Avenue and I-90	STATION:	3384+08	OFFSET:	27' LT			
LOCATION:	I-90 Westbound Inside Shoulder	SURF ELEV.:	635.7					
BORING RIG & METHOD:	Diedrich D-50 w/Hollow Stem Augers							
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	43.5-45.0		Medium Dense to Dense Gr Silt A-4, trace Gravel		9			
				0	10-31			
		587.7						
	48.5-50.0		Medium Dense to Very Dense Gr Sand A-1-b, trace to some Gravel		26			14.7
				16	23-8			
		578.7						
	53.5-55.0		Medium Dense to Very Dense Gr Sand A-1-b, trace to some Gravel		17			12.4
				8	25-42			
		570.7						
	63.5-65.0		Dense Gr Silt A-4		10			14.9
				16	13-21			
Boring terminated @ 65'								
REMARKS Automatic Hammer Used. * Water introduced into borehole below 53' due to blowing Sand. () Denotes Calibrated Penetrometer Estimate								
WATER	50 FT. ELEV.	585.7	DURING DRILLING	☒	CORE SIZE	IN.	DATE:	Mar 16, 10
WATER	FT. ELEV.		AT COMPLETION	☒	CASING LENGTH	FT.	DRILLER:	Shlmon
WATER	* FT. ELEV.		AFTER 1/4 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-6			
PROJECT:	Bridge Replacement at Cumberland Avenue and I-90	STATION:	3382+69	OFFSET:	27' LT			
LOCATION:	I-90 Westbound Inside Shoulder	SURF ELEV.:	635.4					
BORING RIG & METHOD:	Diedrich D-50 w/Hollow Stem Augers							
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0	633.9	4" Bituminous Concrete and 9" P.C. Concrete		Auger			
	1.0-2.5		6" Crushed Stone	11	5			
			Very Stiff Br Silty Clay A-6		4-6			
					3			
	3.5-5.0	630.4		12	6-9	(3.5)		21.5
			Medium Dense Br Sand A-1-a		3			
	6.0-7.5	627.4		15	7-6			12.2
			Stiff to Very Stiff Gr Clay A-4 (3), trace Gravel		4			
	8.5-10.0			15	5-7	2.0	15	18.7
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	11.0-12.5			17	3-6	1.7	15	23.6
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	13.5-15.0			17	5-5	2.7	15	19.0
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	16.0-17.5			14	5-7	2.4	15	17.0
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	18.5-20.0			14	4-5	2.5	15	17.1
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	21.0-22.5			17	3-7	1.2	15	17.6
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	23.5-25.0	610.4		18	3-4	1.4	15	20.2
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		2			
	26.0-27.5			15	3-4	0.8	15	18.1
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	28.5-30.0			3	5-6			19.9
		603.4						
	33.5-35.0			17	3-4	1.9	15	14.1
			Stiff to Very Stiff Gr Silty Clay A-6, trace Gravel		3			
	38.5-40.0	595.4		18	6-9	3.1	15	16.3
REMARKS Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate								
WATER	60 FT. ELEV.	575.4	DURING DRILLING	☒	CORE SIZE	IN.	DATE:	Mar 19, 10
WATER	FT. ELEV.		AT COMPLETION	☒	CASING LENGTH	FT.	DRILLER:	Shlmon
WATER	46 FT. ELEV.	589.4	AFTER 1/4 HRS.	☒	CASING DIAMETER	IN.	INSPECTOR:	Alsalam

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