STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	2006-032 BY	WILL	505	409
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S-10
S-10 SHEETS

CONTRACT #: 60B86

BLOOM CONSULTANTS, LLC — CHICAGO, ILLINOIS

BORING LOG

JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL
LOCATION: I-55 Bridges over Lily Cache Slough
BORING RIG & METHOD: Diedrich D-50 (ATV) w/Hollow Stem Augers

BORING NO: C-1
STATION: 772+30
OFFSET: 75' Lt
SURF ELEV: 606.8

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q_u	STRAIN %	WATER CONTENT %
	0.0-1.0		2" Root Zone Material Dark Gr Organic Clay A-7-6		Auger			20
	1.0-2.5		Bottom of Cells #1 & #3 = Elev. 604.7	7	9 11-6	(1.8)		38
		603.8	Bottom of Cell #2 = Elev. 603.7					
5	3.5-5.0		Bottom of Wingwall Footings = Elev. 602.7 Stiff Br & Gr Clay Loam A-6	14	3 3-7	1.9	15	15
		601.0						
	6.0-7.5			15	28 23-13			10
10	8.5-10.0		Dense Br Sand A-1-a	13	5 26-18			15
	11.0-11.4		- Apparent Cobble noted @ 11.4'	3	75/5"			10
	13.5-13.8	593.0		3	75/4"			15
15		591.4	Apparent Dolomite bedrock					

Auger refusal on apparent bedrock at 15.4'

REMARKS: Automatic Hammer Used.

() Denotes Calibrated Penetrometer Estimate

WATER	7.5 FT. ELEV.	599.3	DURING DRILLING ▽	CORE SIZE	IN.	DATE:	Jan 18, 06
WATER	FT. ELEV.		AT COMPLETION ▼	CASING LENGTH	FT.	DRILLER:	Juarez
WATER	6.0 FT. ELEV.	600.8	AFTER 1/4 HRS. ▽	CASING DIAMETER	IN.	INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC — CHICAGO, ILLINOIS

BORING LOG

JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL
LOCATION: I-55 Bridges over Lily Cache Slough
BORING RIG & METHOD: Diedrich D-50 (ATV) w/Hollow Stem Augers

BORING NO: C-2
STATION: 772+00
OFFSET: Centerline
SURF ELEV: 614.1

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q_u	STRAIN %	WATER CONTENT %
	0.0-1.0	613.4	FILL: Black Organic Clay A-7-6		Auger			16
	1.0-2.5			12	12 18-21			6
5	3.5-5.0		FILL: Br Sand A-1-a	14	9 8-12			6
	6.0-7.5			14	14 13-15			5
		605.7						
10	8.5-10.0		Bottom of Cells #1 & #3 = Elev. 604.8 Bottom of Cell #2 = Elev. 603.8	16	6 8-7	(3.0)		19
			- Cobble noted at 11.0'					
	11.0-12.5		Very Stiff Gr Clay A-6	1	3 3-6			--
		600.8						
15	13.5-15.0		Medium Dense Gr Silt A-4	14	9 9-11			20
		598.2						
	16.0-17.5		Medium Dense Gr Sand A-1-b	18	7 9-10			19
		595.7						
20	18.5-20.0		Very Stiff Gr Loam A-4	14	10 13-10	(3.3)		10
	21.0-21.1	593.1		1	50/1"			4
		591.8	Apparent Dolomite Bedrock					

Auger refusal on apparent bedrock at 22.3'

REMARKS: Automatic Hammer Used

() Denotes Calibrated Penetrometer Estimate

WATER	19.0 FT. ELEV.	595.1	DURING DRILLING ▽	CORE SIZE	IN.	DATE:	Mar 28, 06
WATER	FT. ELEV.		AT COMPLETION ▼	CASING LENGTH	FT.	DRILLER:	Badala
WATER	17.5 FT. ELEV.	596.6	AFTER 1/4 HRS. ▽	CASING DIAMETER	IN.	INSPECTOR:	Allemana

BLOOM CONSULTANTS, LLC — CHICAGO, ILLINOIS

BORING LOG

JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL
LOCATION: I-55 Bridges over Lily Cache Slough
BORING RIG & METHOD: Diedrich D-50 (ATV) w/Hollow Stem Augers

BORING NO: C-3
STATION: 773+00
OFFSET: 75' Rt
SURF ELEV: 605.3

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q_u	STRAIN %	WATER CONTENT %
	0.0-1.0		Bottom of Cells #1 & #3 = Elev. 604.97 Bottom of Cell #2 = Elev. 603.97		Auger			41
		603.8	Black Organic Clay A-7-6 Bottom of Wingwall Footings = Elev. 603					
	1.0-2.5			1	11 8-10			44
5	3.5-5.0			18	5 4-5	1.3	15	11
			Stiff to Very Stiff Br & Gr Loam A-4					
	6.0-7.5			14	3 5-18	(2.2)		7
10	8.5-10.0			10	9 15-21	(3.0)		10
	11.0-11.1	594.2		0	50/1"			
		592.1	Apparent Dolomite Bedrock					

Auger refusal on apparent bedrock at 13.2'

REMARKS: Automatic Hammer Used

() Denotes Calibrated Penetrometer Estimate

WATER	8.5 FT. ELEV.	596.8	DURING DRILLING ▽	CORE SIZE	IN.	DATE:	Mar 25, 06
WATER	FT. ELEV.		AT COMPLETION ▼	CASING LENGTH	FT.	DRILLER:	Badala
WATER	8.5 FT. ELEV.	596.8	AFTER 1/4 HRS. ▽	CASING DIAMETER	IN.	INSPECTOR:	Allemana

DESIGNED	M Harding
CHECKED	N Fakroddin
DRAWN	M Williams
CHECKED	N Fakroddin

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
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PARSONS BRINCKERHOFF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
I-55 OVER
LILY CACHE SLOUGH
F.A.I. ROUTE 55 SECTION 2006-032 BY
WILL COUNTY
STA. 772+61.10
SN 099-0407

DATE 07-05-2006