

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAI-55	**	WILL	505	387
16 SHEETS				

\*\* SECTION 2006-032 BY  
CONTRACT NO. 60B86

BORING-BR-9

BORING-BR-10

BORING-BR-11

BLOOM CONSULTANTS, LLC		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: BR-9						
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL		STATION: 629+06						
LOCATION: I-55 Bridges over Mink Creek		OFFSET: 6.3' Lt						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 606.1						
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %
0.0-1.0		605.3	3" Bituminous Concrete		Auger			
1.0-2.5		602.7	7" Crushed Stone	16	8-8			10
3.5-5.0		600.6	FILL: Dark Gr Sandy Loam A-2-4					
6.0-7.5		597.9	FILL: Dark Gr Clay Loam A-7-6	18	3-6	2.5	15	28
8.5-10.0		592.7	Bottom NB & SB Bridge S. Abut. Pile Caps = Elev 601.2					
11.0-12.5		590.1	FILL: Dark Gr & Br Clay Loam A-6	18	5-8	(2.3)		12
13.5-15.0		589.1	Medium Stiff to Stiff Black Organic Clay A-7-6	8	2-2	(0.7)		20
16.0-17.5		585.6	Medium Dense Gr Sand A-1-b	10	3-4	(1.0)		23
18.5-20.0		582.7	Medium Dense Gr Sand A-1-b	14	5-8			24
21.0-22.5		579.7	Medium Dense Gr Sand A-1-a	13	8-11			21
23.5-24.9		579.9	Medium Dense Gr Silt A-4	14	8-10			12
26.0-26.2		579.9	Stiff Gr Loam A-4	13	8-50/5"	1.7	15	11
27.2-32.2		579.9	Gr Dolomite; to 1.3' severely weathered; random horizontal and vertical fractures as well as occasional thin Clay partings noted	1	50/2"			7
32.2-37.2		568.9	Recovery = 54% Core Run = 60" Percent Recovery = 90%	54	Core			
			Recovery = 60% Core Run = 60" Percent Recovery = 100%	60	Core			
Boring terminated at 37.2'								
REMARKS * Drilling water introduced into borehole below 27.2' to facilitate rock coring. ( ) Denotes Calibrated Automatic Hammer Used.								
WATER 8.5 FT. ELEV. 597.6 DURING DRILLING CORE SIZE NX=2 1/2 IN. DATE: Feb 27, 06								
WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Juarez								
WATER * FT. ELEV. AFTER HRS. CASING DIAMETER IN. INSPECTOR: Allemana								

BLOOM CONSULTANTS, LLC		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: BR-10						
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL		STATION: 630+00						
LOCATION: I-55 Bridges over Mink Creek		OFFSET: 20.4' Lt						
BORING RIG & METHOD: Diedrich D-120 w/Rotary Wash Method below 2.5'		DECK SURF ELEV: 605.7						
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %
			T/Bridge Deck (Elev. 605.7)					
			Top of Bridge Deck to Ground Surface = 11.0'					
			Ground Surface					
11.0		594.7	Bottom Pier 1 & Pier 2 Pile Cap = Elev. 594.0					
1.0-1.3		594.7	Very Dense to Dense Gr Sand A-1-b; Organic matter noted	2	50/4"			39
3.5-5.0		588.9	- Cobbles noted to 3'	18	14-22			18
6.0-7.5		584.2	Dense to Medium Dense Gr Sand A-1-a	10	33-30			10
8.5-10.0		584.2	Medium Dense Gr Sand A-1-b	18	8-14			11
11.0-12.5		571.1	Medium Dense Gr Sand A-1-b	18	6-9			14
13.5-15.0		571.1	Medium Dense Gr Sand A-1-b	18	4-8			17
16.0-17.5		571.1	Medium Dense Gr Sand A-1-b	18	7-16			19
18.5-20.0		571.1	Medium Dense Gr Sand A-1-b	18	6-16			15
21.0-22.5		571.1	Medium Dense Gr Sand A-1-b	18	9-13			16
25.0-30.0		568.7	Gr Dolomite; top 1.7' severely weathered; random horizontal and vertical fractures as well as occasional thin Clay partings noted	48	Core			
30.0-35.0		568.7	Recovery = 48% Core Run = 60" Percent Recovery = 80%					
			Recovery = 60% Core Run = 60" Percent Recovery = 95%					
			Recovery = 60% Core Run = 60" Percent Recovery = 100%					
Boring terminated at 35'								
REMARKS * Drilling water introduced into borehole below 2.5' to facilitate rotary wash method and rock coring. Automatic Hammer Used. ( ) Denotes Calibrated Penetrometer Estimate								
WATER Dry to 2.5 FT. ELEV. 592.2 DURING DRILLING CORE SIZE NX=2 1/2 IN. DATE: Mar 2, 06								
WATER FT. ELEV. AT COMPLETION CASING LENGTH 25 FT. DRILLER: Juarez								
WATER * FT. ELEV. AFTER HRS. CASING DIAMETER 4 IN. INSPECTOR: Allemana								

BLOOM CONSULTANTS, LLC		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: BM3-1148 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION		BORING NO: BR-11						
PROJECT: I-55 Improvements - U.S. Route 30 to Weber Road - Will County, IL		STATION: 630+81						
LOCATION: I-55 Bridges over Mink Creek		OFFSET: 21' Lt						
BORING RIG & METHOD: Diedrich D-50 (ATV) w/Hollow Stem Augers		SURF ELEV: 605.8						
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q <sub>u</sub>	STRAIN %	WATER CONTENT %
0.0-1.0		604.9	3" Bituminous Concrete		Auger			3
1.0-2.5		600.3	FILL: Dark Gr Clay Loam A-6	12	7-7	(3.0)		10
3.5-5.0		600.3	Bottom NB & SB Bridge N. Abut. Pile Caps = Elev. 601.0					
6.0-7.5		597.4	Black Organic Clay A-7-6	16	4-3	2.3	15	18
8.5-10.0		592.5	Stiff Gr Loam A-4	18	5-9	(2.5)		32
11.0-12.5		592.5	Stiff Gr Loam A-4	3	2-3	1.6	15	13
13.5-15.0		587.4	Medium Dense Gr Sand A-1-b	13	2-6	(1.2)		11
16.0-17.5		587.4	Medium Dense Gr Sand A-1-b	18	8-8			17
18.5-20.0		582.1	Stiff Gr Clay A-6	14	14			11
21.0-22.5		579.9	Stiff Gr Clay A-6	12	4-5	1.5	15	23
23.5-25.0		579.9	Medium Dense Gr Sandy Loam A-2-4	14	5			21
26.0-27.5		575.0	Medium Dense Gr Sandy Loam A-2-4	14	6-8	(1.8)		10
28.5-30.0		572.5	Hard Gr Loam A-4	4	7-6			10
31.0-32.5		571.7	Hard Gr Loam A-4	16	11	(4.0)		10
33.5-34.1		571.7	Medium Dense Gr Silt A-4	10	12	(4.5+)		8
35.0-40.0		571.7	Very Dense Gr Silt A-4	14	17-18			23
40.0-45.0		568.8	Gr Dolomite; top 1.3' severely weathered; random horizontal and vertical fractures as well as occasional Clay partings noted	4	10			20
			Recovery = 57% Core Run = 60" Percent Recovery = 95%					
			Recovery = 55% Core Run = 60" Percent Recovery = 92%					
Boring terminated at 45'								
REMARKS * Drilling water introduced into borehole below 35' to facilitate rock coring. ( ) Denotes Calibrated Penetrometer Estimate								
WATER 13 FT. ELEV. 592.8 DURING DRILLING CORE SIZE NX=2 1/2 IN. DATE: Feb 27, 06								
WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Juarez								
WATER * FT. ELEV. AFTER HRS. CASING DIAMETER IN. INSPECTOR: Allemana								

DESIGNED	S.CHELBIAN
CHECKED	J.GRAINAWI
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

Date: 6/30/2006

BORING LOGS I  
I-55 OVER MINK CREEK  
FAI ROUTE 55-SEC. 2006-032 BY  
WILL COUNTY  
STA. 630+07.11  
STRUCTURE NO. 099-4615 (NB)  
STRUCTURE NO. 099-4616 (SB)

