

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-55	**	WILL	505	336
44 SHEETS				

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

BORING-BR-1

DEPTH		SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0		636.6	FILL: Black Organic Clay A-7-6		Auger			18
	1.0-2.5				14	3	5.2	15	13
	3.5-5.0				18	2	(3.7)		13
	6.0-7.5			Bottom S. Abut. Pile Cap = Elev. 631.1	16	10	3.3	15	16
	8.5-10.0			FILL: Br & Gr Clay A-6	14	4	4.7	2.7	15
	11.0-12.5				18	4	5.8	3.8	15
	13.5-15.0				15	4	5.9	2.3	15
	16.0-17.5		619.0		18	5	6.3	2.6	16
	18.5-20.0		616.9	Hard Br Silty Clay A-6	18	5	6.9	4.3	15
	21.0-22.5		614.4	Hard Br & Gr Clay A-7-6	16	5	6.11	4.1	15
	23.5-25.0		611.9	Very Stiff Br & Gr to Gr Clay Loam A-6	18	2	6.11	2.3	15
	26.0-27.5		609.4	Very Stiff Gr Clay A-7-6	18	7	8.10	2.8	15
	28.5-30.0				16	7	8.11	1.5	15
	31.0-32.5				16	5	6.8	3.8	15
	33.5-35.0				15	4	7.10	2.9	15
	36.0-37.5			Stiff to Very Stiff Br Clay A-6	18	4	7.10	2.1	15
	38.5-40.0				14	7	8.16	3.3	15
	41.0-42.5		593.9		18	5	6.8	3.0	15
	43.5-45.0				13	4	18.27		10
	46.0-47.5			Dense to Very Dense Gr Sand A-1-a	16	10	23.37		10
	48.5-48.9		586.5	-Apparent Cobble noted @ 48.8'	4	50/5"			9
Boring terminated at 48.9'									

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER Dry FT. ELEV. DURING DRILLING CORE SIZE IN. DATE: Feb 7, 06
 WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Juarez
 WATER Dry FT. ELEV. AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Allemanna

BORING-BR-2

DEPTH		SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0		619.8	FILL: Black Organic Clay A-7-6		Auger			19
	1.0-2.5			FILL: Dark Gr Clay A-6	16	2	3.3	1.8	15
	3.5-5.0		607.9		14	3	3.3	(1.5)	21
	6.0-7.5		605.4	Stiff Br Silty Clay A-6	16	2	2.2	(0.3)	29
	8.5-10.0		602.9	Soft Br Clay A-7-6	16	5	5.6	2.8	15
	11.0-12.5			Very Stiff Br to Gr Clay A-6	15	6	5.7	2.9	15
	13.5-15.0		598.0		14	4	6.8		15
	16.0-17.5		595.4	Medium Dense Gr Silty Loam A-4	18	5	8.10	2.2	15
	18.5-20.0		592.9	Very Stiff Gr Clay Loam A-6	12	10	16.25		9
	21.0-21.8			Dense Gr Sandy Loam A-2-4 - Apparent Cobble noted @ 21.6'	8	21-50/4"			8
	23.5-24.0		588.2	-Apparent Cobble noted @ 23.9'	4	50/6"			12
			585.1	Apparent Dolomite bedrock					
Auger refusal on apparent bedrock at 26.2'									

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER 15 FT. ELEV. 596.3 DURING DRILLING CORE SIZE IN. DATE: Jan 25, 06
 WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Juarez
 WATER 14.2 FT. ELEV. 597.1 AFTER 24 HRS. CASING DIAMETER IN. INSPECTOR: Allemanna

BORING-BR-3

DEPTH		SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS/6"	q _u	STRAIN %	WATER CONTENT %
	0.0-1.0		612.4	Br Sand A-1-a		Auger			13
	1.0-2.5		610.2	Hard Br Clay A-6	16	4	5.6	4.1	15
	3.5-5.0		607.3	Very Stiff Br Clay A-7-6	14	3	6.8	3.1	15
	6.0-7.5			Bottom of Pier 2 Pile Cap = Elev. 606.4	14	5	6.6		13
	8.5-10.0		602.4	Medium Dense Br Sandy Loam A-2-4	13	4	7.9		15
	11.0-12.5				18	3	3.5	1.8	15
	13.5-15.0			Stiff to Very Stiff Gr Clay A-6	18	5	6.9	(2.0)	20
	16.0-17.5		597.3		13	4	8.10		14
	18.5-20.0		594.8	Medium Dense Gr Sandy Loam A-2-4	15	4	10.20	4.1	15
	21.0-22.5		592.7	Hard Gr Clay A-6	14	4	16.23	2.8	15
	23.5-24.0		590.9	Very Stiff Gr Clay Loam A-6	5	50/6"			7
	26.0-27.5			Very Dense Gr Sand A-1-a - Cobble noted @ 23.8'	14	26	35.37		14
	28.5-30.0		583.2	Stiff Gr Clay A-7-6	16	6	10.10	(1.8)	23
Boring terminated at 30'									

REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate

WATER 17 FT. ELEV. 596.2 DURING DRILLING CORE SIZE IN. DATE: Jan 26, 06
 WATER FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Juarez
 WATER 16.1 FT. ELEV. 597.1 AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Allemanna

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

Date: 6/30/2006

BORING LOGS I
I-55 OVER EJ&E R.R.
FAI ROUTE 55-SEC. 2006-032 BY
WILL COUNTY
STA. 609+29.37
STRUCTURE NO. 099-0018 (NB)
STRUCTURE NO. 099-0019 (SB)



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