STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1330
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	
*(72-7)R-3		CONTRACT NO. 68200		

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, IDOT

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ROUTE FAI-74 DESCRIPTION Overhead Sign Truss LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC., TWP., RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. ____ Station ____

BORING NO. SSSB-06M
Station 143+733
Offset 18.00m Lt of WB BL
Ground Surface Elev. 194.41 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter 195.4 m
Upon Completion none m
After 24 Hrs. not taken m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
No Sample Taken					
	187.95				
Brown SANDY CLAY LOAM			3		
			3	49	8
			5	P	
	187.19				
Brown Fine SAND			4		
		-1.5	5		6
			8		
			7		
			13		14
			9		
	185.67				
Brown SANDY GRAVEL w/ trace of clay			7		
		-5.0	8		11
			9		
	184.92				
Reddish Brown CLAY LOAM TILL			2		
			9	415	14
			10	S	
	184.14				
Gray CLAY LOAM TILL			4		
		-8.5	6	415	13
			10	B	
	182.38				
Brown Fine SAND			6		
			12		19
			12		
		-13.0	2		

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Brown Fine SAND (continued)			6		16
			11		
			3		
			9		19
			11		
			14		
		-17.5	16		16
			14		
	180.33				
Gray CLAY LOAM TILL			3		
			9	493	11
			11	B	
	179.57				
Gray SILTY SAND	179.42	-20.0	8		12
Gray CLAY LOAM TILL			6	434	21
	179.11		7		
End of Boring					
		-23.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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ROUTE FAI-74 DESCRIPTION Overhead Sign Truss LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC., TWP., RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. ____ Station ____

BORING NO. SSSB-03R
Station 100+690
Offset 18.00m Rt of WAR DR
Ground Surface Elev. 194.91 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter 195.7 m
Upon Completion 190.6 m
After 24 Hrs. not taken m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
No Sample Taken					
	194.45				
Brown CLAY LOAM			2		
			3	316	14
			5	B	
	193.69				
Gray CLAY LOAM			2		
		-1.5	4	365	13
			6	B	
	192.93				
Brown / Gray CLAY LOAM w/ trace of sand			7		
			9	168	15
			9	P	
	192.17				
Gray CLAY LOAM w/trace of sand			3		
		-3.0	4	513	13
			8	B	
			5		
			13	237	13
			9	B	
			3		
		-7.5	7	395	13
			9	B	
			3	217	13
		-9.0	9		17
Gray Fine-Coarse SAND			9		
			4		18
		-12.0			

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray CLAY LOAM	188.89				
			5	395	13
			7		
			4		
			7	434	13
			10	B	
			3		
		-7.5	7	355	13
			10	B	
			5		
			8	318	14
			8	B	
			5		
		-9.0	9	513	13
			13	B	
End of Boring	186.91				
		-12.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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Page 1 of 1 — Date 5/30/02

ROUTE FAI-74 DESCRIPTION Overhead Sign Truss LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC., TWP., RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. ____ Station ____

BORING NO. SSSB-04R
Station 101+065
Offset 21.00m Rt of War DR
Ground Surface Elev. 194.10 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. not taken m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
No Sample Taken					
	193.84				
Brown CLAY LOAM			4		
			8	316	13
			7	B	
	192.88				
Gray CLAY LOAM			2		
		-1.5	4	257	13
			6	B	
			2		
			5	395	13
			6	B	
			1		
		-3.0	4	428	13
			8	B	
			1		
			4	287	14
			8	B	
			3		
		-4.5	8	316	14
			8	B	
			3		
			5	217	14
			7	B	
		-6.0	3		

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray CLAY LOAM (continued)			5	277	13
			9	B	
			4		
			5	237	14
			8	B	
			4		
		-7.5	7	335	13
			9	B	
			5		
			8	376	13
			10	B	
		-9.0	4		
			6	395	13
			9	B	
End of Boring	184.60				
		-10.5			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam	*Textural classification of soil in accordance with IDOT Triangular Chart.*
BLOWS/150mm	*Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.*
Q_u, kPa	*Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.*
Moist. %	*Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.*

DESIGNED	RJW
CHECKED	KJN
DRAWN	RJW
CHECKED	KJN

2004
EXAMINED ____ ENGINEER OF STRUCTURAL SERVICES
PASSED ____ ENGINEER OF BRIDGES AND STRUCTURES

SIGNING SHEET 82 OF 83

SIGN STRUCTURES
SOIL BORING LOGS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

W.B. I-74 STA. 143+740, S.N. 4C072I074L089.3
WAR MEMORIAL DR. STA. 39+700, 4C072U150R024.7
WAR MEMORIAL DR. STA. 40+105, 4C072U150R024.9

PEORIA CO., IL. DATE: 11-11-04

M:/Proj3573/Sign Structures/Contract 10/sp1004-7Aboring.dgn