

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI74	*	PEORIA	1360	1398
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	
*172-71R-3		CONTRACT NO. 68200		

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
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Date 5/31/02

ROUTE FAI-74 DESCRIPTION Overhead Sign Truss LOGGED BY DBR
SECTION 72-5.7.8.9-1.80-11.80-12.13.14 LOCATION SEC. TWP. RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. SSSB-06R
Station 143+792
Offset 36.00m Lt of WB Bl.
Ground Surface Elev. 185.69 m (m)

DEPTH (m)	B	U	M	Surface Water Elev. (m)	DEPTH (m)	B	U	M
(/150 mm)	(kPa)	(%)			(/150 mm)	(kPa)	(%)	
				Stream Bed Elev. _____				
				Groundwater Elev.: _____				
				First Encounter _____				
				Upon Completion 182.7 m				
				After 24 Hrs. 183.7 m				
No Sample Taken				Light Gray SILT w/ trace of sand (continued)	7	59	17	
					5	S		
Brown SANDY CLAY LOAM	5	182	17		5			
	5	B			7	155	20	
					7	S		
	3				4			
	7	95	14		7	159	20	
	6	P			10	S		
Dark Gray SILTY CLAY	2			Light Gray SILTY SAND	2			
	2	24	25		5			
	2	P			5		19	
Gray Fine SAND	2			Light Gray SILTY CLAY	7			
	3		17		11	158	17	
	4				12	S		
Brown / Gray Fine SAND w/ trace of clay & gravel	4			Light Gray CLAY LOAM TILL	6			
	6		17		5	513	10	
	9				13	B		
Light Gray Fine SAND	3			End of Boring	11	474	11	
	8		19		16	S		
Light Gray SILTY SAND	2				174.57			
	5		15					
	3							
	4							

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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Date 5/31/02

ROUTE FAI-74 DESCRIPTION Overhead Sign Truss LOGGED BY DBR
SECTION 72-6.7.8.9-1.80-11.80-12.13.14 LOCATION SEC. TWP. RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. SSSB-06M
Station 143+791
Offset 15.00m Lt of WB Bl.
Ground Surface Elev. 188.15 m (m)

DEPTH (m)	B	U	M	Surface Water Elev. (m)	DEPTH (m)	B	U	M
(/150 mm)	(kPa)	(%)			(/150 mm)	(kPa)	(%)	
				Stream Bed Elev. _____				
				Groundwater Elev.: _____				
				First Encounter _____				
				Upon Completion 183.7 m				
				After 24 Hrs. 185.7 m				
No Sample Taken				Light Gray Fine SAND (continued)	8			
					10			
Brown Fine SAND w/ some gravel	3			Light Gray SILTY SAND	11			
	7		8		12			
	9				10			
	8			Light Gray CLAY LOAM TILL	5			
	9		6		7	513	11	
	8				10	B		
Brown CLAY LOAM	2			End of Boring	4			
	8	333	18		8	454	12	
	8	B			8	B		
	2				5			
	3	298	15		7	296	12	
	7	B			8	B		
Light Brown / Brown Fine SAND w/ trace of gravel	3			End of Boring	10			
	10		6		10			
	4				4			
	5		18		5			
	7				7			
Light Gray Fine SAND	3				10			
	7		18		5			
	10				5			
	5				6.5			

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.

Qu, 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	2004
CHECKED	KJN	EXAMINED
DRAWN	RJW	ENGINEER OF STRUCTURAL SERVICES
CHECKED	KJN	PASSED
		ENGINEER OF BRIDGES AND STRUCTURES

SIGNING SHEET 80 OF 83

SIGN STRUCTURES
SOIL BORING LOGS

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING PLAN
W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3

PEORIA CO., IL.

DATE: 11-04

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