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.

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 4

Date 9/2/03

ROUTE FAI-74 DESCRIPTION Ramp K-2 & J-3 LOGGED BY DPS

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. K2MJ3-1
Station 10+423
Offset 3.50m Rt of CL
Ground Surface Elev. 160.64 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. (m)	Depth (m)	Blows (/150 mm)	Qu (kPa)	Moist (%)
no sample taken 0-.61m					
	160.03				
Brown & Gray SHALEY CLAY			5		
			13	431	7.7
			16	P	
		-1.5	12		
			20	431	9.1
			14	P	
trace of coal			5		
			11	431	11.2
			13	P	
	157.75	-3.0			
Lt. Brown SILT			7		
			9		6.8
			9		
trace of sandstone			11		
			15		11.4
			13		
		-4.5	6		
			8	695	18.2
			12	P	
	155.46				
Lt. Brown SAND & GRAVEL			7		
			12		5.1
			10		
		-6.0			
Lt. Brown SAND & GRAVEL (continued)			4		
			6		2.2
			8		
			6		
			9		4.3
			13		
	153.17	-7.5			
Lt. Brown/Brown SANDY CLAY LOAM			9		
			13	240	15.6
			13	P	
			7		
			10	335	13.8
			10	P	
		-9.0			
			5		
			9	190	13.2
			12	S	
	150.89				
Lt. Brown Fine SAND trace of silt			7		
			12		4.3
			12		
		-10.5			
			4		
			4		1.8
			4		
			4		
			5		2.6
			4		
		-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)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 4

Date 9/2/03

ROUTE FAI-74 DESCRIPTION Ramp K-2 & J-3 LOGGED BY DPS

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.
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Offset 3.50m Rt of CL
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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. (m)	Depth (m)	Blows (/150 mm)	Qu (kPa)	Moist (%)
Lt. Brown Fine SAND (continued)			3		
			5		3.5
			6		
			16		
			12		9.3
	147.38		10		
Gray SHALE		-13.5			
	147.08				
Black COAL w/traces of clay			1		
	146.77		2		
Gray SHALEY CLAY			5		36.4
				311	16.3
trace of coal	146.32			P	
Gray SHALE			13		
			100/25"		10.2
Borehole continued with rock coring.		-15.0			
		-18.0			

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)

DESIGNED	WJZ
CHECKED	SWS
DRAWN	RMG
CHECKED	DJM

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3573

ILLINOIS DEPARTMENT OF TRANSPORTATION
RAMP K-2 OVER
MAIN ST & RAMP J-3
F.A.I. ROUTE 74 (I-74)
SECTION 90-11HB-5

SOIL BORING LOG
K2MJ3-1

SN: 090-0156
TAZEWELL CO., IL.

STA. 10+529.222
DATE: 12-23-04

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