68201	ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 74	*	TAZEWELL	1366	600
	STA.		TO STA.		
	F.H.W.A. REGION		ILLINOIS	PROJECT	

SHEET 55 OF 56

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 3
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. K2MJ3-3
Station 10+521
Offset 2.50m Lt. CL
Ground Surface Elev. 148.25 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 0-1.1m					
	147.19				
Gray SANDY LOAM			2		
			4	144	13.5
		-1.5	6	P	
	146.43				
Gray SHALEY CLAY			6		
			6	431	12.4
			6	P	
	145.66				
Gray SHALE	145.51		11		
Borehole continued with rock coring.		-3.0	70 30@4"		
		-4.5			
		-6.0			

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

ROCK CORE LOG

Page 2 of 3
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 CORING METHOD Double Barrel

STRUCT. NO.
Station
BORING NO. K2MJ3-3
Station 10+521
Offset 2.50m Lt. CL
Ground Surface Elev. 148.25 m

CORING BARREL TYPE & SIZE NWD4
Core Diameter 52 mm
Top of Rock Elev. 145.66 m
Begin Core Elev. 145.51 m

Description	Elev.	DEPTH (m)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/0.3m)	STRENGTH (kPa)
Gray SHALE	145.51		1	97	58		
		-3.0		8.5% moisture			10595
				10.9% moisture			2023
			2	100	44		
		-4.5		7.5% moisture			6866
		-6.0	3	100	19		
				9.6% moisture			734
		-7.5	4	74	18		
				18.3% moisture			1600
				14.6% moisture			185

Color pictures of the cores No
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 3 of 3
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 CORING METHOD Double Barrel

STRUCT. NO.
Station
BORING NO. K2MJ3-3
Station 10+521
Offset 2.50m Lt. CL
Ground Surface Elev. 148.25 m

CORING BARREL TYPE & SIZE NWD4
Core Diameter 52 mm
Top of Rock Elev. 145.66 m
Begin Core Elev. 145.51 m

Description	Elev.	DEPTH (m)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/0.3m)	STRENGTH (kPa)
Gray SHALE (continued)		-9.0	5	68	8		
				11.6% moisture			427
		-10.5	6	80	34		
				8.9% moisture			1175
				7.9% moisture			4736
		-12.0	7	74	68		
				6.7% moisture			3005
				7.0% moisture			1934
		-13.5	8	100	70		
				7.1% moisture			3796
				9.0% moisture			2629
	133.93						
End of Boring							

Color pictures of the cores No
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (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 & ROCK CORE LOGS
K2MJ3-3

SN: 090-0156
TAZEWELL CO., IL.

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

2/3/2005

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