

68201	ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 74	*	TAZEWELL	1366	599
STA.			TO STA.		
F.H.W.A. REGION			ILLINOIS PROJECT		

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart.  $Q_u$ , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

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. 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** **ROCK CORE LOG** Page 3 of 4  
 Date 9/19/03

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

SECTION 72-6, 7, 8, 9-1, 90-11, 90-12, 13, 14 LOCATION SEC., TWP., R1NG.

COUNTY Peoria & Tazewell CORING METHOD Double Barrel

STRUCT. NO. CORING BARREL TYPE & SIZE NWD4  
 Station \_\_\_\_\_ Core Diameter 52 mm  
 BORING NO. K2MJ3-2 Top of Rock Elev. 144.60 m  
 Station 10+461 Begin Core Elev. 145.18 m  
 Offset 3.60m Rt. of CL.  
 Ground Surface Elev. 158.89 m

DEPTH (m)	DEPTH (#)	MOISTURE (%)	STRENGTH (kPa)	REMARKS
146.18	1	100	15	Gray SHALE
144.82				Gray SILTSTONE w/Breaks
		8.5% moisture		1439
		9.2% moisture		2528
		5.5% moisture		5726
		-15.0		
143.65		7.1% moisture		10224
143.45	2	100	57	Broken pieces of SHALE w/TR of SANDSTONE
				Gray SHALE
		9.8% moisture		640
		9.1% moisture		586
142.77		8.0% moisture		997
				Gray SANDSTONE
		6.9% moisture		733
		7.5% moisture		859
		8.9% moisture		697
142.13	3	70	8	Gray SHALE
		12.1% moisture		
		12.1% moisture		132
		8.8% moisture		902
		8.5% moisture		997
		7.8% moisture		340
		8.7% moisture		990
		7.8% moisture		695
		7.8% moisture		
		7.8% moisture		886
		7.9% moisture		1688
		9.2% moisture		1887
		7.5% moisture		1730

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** **ROCK CORE LOG** Page 4 of 4  
 Date 9/19/03

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

SECTION 72-6, 7, 8, 9-1, 90-11, 90-12, 13, 14 LOCATION SEC., TWP., R1NG.

COUNTY Peoria & Tazewell CORING METHOD Double Barrel

STRUCT. NO. CORING BARREL TYPE & SIZE NWD4  
 Station \_\_\_\_\_ Core Diameter 52 mm  
 BORING NO. K2MJ3-2 Top of Rock Elev. 144.60 m  
 Station 10+461 Begin Core Elev. 145.18 m  
 Offset 3.60m Rt. of CL.  
 Ground Surface Elev. 158.89 m

DEPTH (m)	DEPTH (#)	MOISTURE (%)	STRENGTH (kPa)	REMARKS
146.18	1	100	15	Gray SHALE
144.82				Gray SHALE (continued)
		7.0% moisture		2782
		7.3% moisture		2803
		7.0% moisture		1516
		7.0% moisture		5472
		6.1% moisture		3273
137.55	7	49	38	Gray SILTSTONE
		7.1% moisture		4183
		6.8% moisture		7195
		7.9% moisture		4995
		7.2% moisture		3652
136.44		6.5% moisture		5381
136.30				Gray SANDSTONE
		9	92	57
		8.5% moisture		2405
		8.5% moisture		3432
		7.6% moisture		3488
		8.8% moisture		2667
		9.0% moisture		
		-14.9		
		7.3% moisture		3475
				End of Boring

Color pictures of the cores No  
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 BBS, form 138 (Rev. 8-99)

2/3/2005

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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-IIHB-5  
**ROCK CORE LOG**  
 K2MJ3-2  
 SN: 090-0156  
 TAZEWELL CO., IL.  
 STA. 10+529.222  
 DATE: 12-23-04