STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 315	(18BRY - 1)BR	FULTON		309
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 45
46 SHEETS

Contract #88753

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Four Materials

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Date 9/27/02

ROUTE FA 317 (US 24) DESCRIPTION US 24 & IL 100 over Spoon River LOGGED BY DPS

SECTION (18 BRY-1)BR LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, RNG. 3E, 4 PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0004 (exist) 029-0068(prop)
Station 74+10 (prop)

BORING NO. 7494 (Pier)
Station 74+94
Offset 32.00ft Rt
Ground Surface Elev. 458.31 ft

Surface Water Elev. 439.08 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 441.3 ft
Upon Completion *None ft
After 24 Hrs. **None ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
No Sample Taken 0-2'					
	456.31				
Brown SANDY LOAM			H		
			1	0.25	12.5
			1	P	
		-5	H	0.33	28.4
	452.81		1	B	
Brown CLAY LOAM			3	3.71	19.7
				S	
	451.31				
Dark Gray SILTY CLAY			1		
			3	2.47	25.4
			3	B	
	448.81				
Brown SILTY CLAY LOAM		-10	H		
			1	0.79	24.2
			2	S	
			H		
			H	0.49	28.9
			1	B	
		-15	H	0.41	30.2
			1	B	
	442.51		2		21.2
Brown FINE SAND					
			H		
			2		21.1
			2		
		-20	H		

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown FINE SAND (continued)			1		21.1
			2		
			1		
			2		19.8
			3		
		-25	1		
			3		16.0
			4		
	431.31				
Brown and Gray GRAVEL	430.81		2		5.1
Black COAL			60		
			40@3"		28.8
	428.81				
Gray/Light Gray SHALE		-30	36		
			100@5"		10.6
	425.91		100@5"		10.2
		-35			
		-40			

* No H2O- hole collapsed @ 14.8'
** No H2O- hole collapse @ 15.2'

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 — ROCK CORE LOG

Division of Highways
District Four Materials

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Date 7/17/03

ROUTE FAP 317 & 315 (US 24/L 100 & US 136) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DPS

SECTION 18RS-2,19RS-3,(18BRY&18BRY-1) BR,18S-1 LOCATION , SEC. , TWP. , RNG.

COUNTY Fulton CORING METHOD Dual Barrel

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE NWD4 5'

BORING NO. 7531 Pier
Station 75+31
Offset 0.00ft On CL
Ground Surface Elev. 458.20 ft

Core Diameter 2.1 in
Top of Rock Elev. 429.20 ft
Begin Core Elev. 429.20 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray SHALE	429.20		1	20	14		
		-30					
	424.20						
Lt. Gray SHALE			2	50	0		
	423.20	-35					
			3	80	65		
Lt. Gray SANDSTONE					5.9%moisture		30.2
					5.5%moisture		40.4
	419.76						
Lt. Gray SHALE							
	418.20	-40			5.4%moisture		28.1
Gray SHALE			4	96	87		
					5.4%moisture		
					5.6%moisture		
					6%moisture		
	413.35	-45					
Lt. Gray SANDSTONE	413.20		5	100	86		
Gray LIMESTONE					6%moisture		201.2
	412.00						
Lt. Gray SHALE					7.6%moisture		
	411.18						
Lt. Gray LIMESTONE							
					2.2%moisture		215.0
					4.3%moisture		335.2

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)

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Station 75+31
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Core Diameter 2.1 in
Top of Rock Elev. 429.20 ft
Begin Core Elev. 429.20 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Lt. Gray LIMESTONE (continued)					4.3%moisture		186.4
	408.20	-50					
Lt. Gray LIMESTONE			6	100	98		
					4.9%moisture		290.6
					2.9%moisture		334.6
					6.2%moisture		292.8
					4.5%moisture		524.4
					4.4%moisture		452.5
	403.20	-55					
End of Boring							
		-60					
		-65					

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)

BORING LOGS
F.A.P. RTE. 315 - SEC. (18BRY-1)BR
FULTON COUNTY
STATION 74+09.000
STRUCTURE NO. 029-0068

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