

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	#	FULTON	240	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #88753
*18RS-2, 19RS-3 (18BRY & 18BRY-1) BR, 18B-1

Illinois Department of Transportation
Division of Highways
Section Four Materials

ROCK CORE LOG

Page 1 of 1 Date 7/9/03

ROUTE FAP 317 & 315 (US 241L) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DPS/JES
100 & US 138
SECTION 18RS-2, 19RS-3, 18BRY & 18BRY-1 LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, R1NG. 3E, 4th PM
BR, 18B-1

COUNTY Fulton CORING METHOD Dual Barrel

STRUCT. NO. _____ CORING BARREL TYPE & SIZE NWD4 5' DATE _____
Station _____ Core Diameter 2.1 in DEPTH _____
BORING NO. 8100 Ret.Wall Top of Rock Elev. 474.80 ft R C O V M N G T H
Station 81+00 Begin Core Elev. 474.90 ft P E R Y
Offset 15.00R ft CL
Ground Surface Elev. 489.90 ft

DEPTH (ft)	DESCRIPTION	REMARKS	MOISTURE (%)	UNIT WEIGHT (pcf)	STRENGTH (tsf)
474.80 -15	Gray to DL Gray SHALE thin bedded, "soft", clayshale			100	75
473.15	Lt. Gray SILTSTONE/FINE SANDSTONE Thin organic shaly seams @ 16.3'		3.8% moisture		79.3
			5.6% moisture		140.8
			3.6% moisture		72.1
			3.3% moisture		223.0
			5.3% moisture		114.1
469.80 -20	Lt. Gray/Lt. Brown SANDSTONE thick bedded, fine grained some v. thin clayshale seams throughout		5.9% moisture	100	98
			5.8% moisture		440.5
			5.3% moisture		71.0
			7.0% moisture		402.7
			8.5% moisture		346.0
			8.6% moisture		220.1
			8.6% moisture		313.7
			7.6% moisture		419.3
			8.0% moisture		66.8
464.80 -25	Lt. Gray Brown SANDSTONE thick bedded, fine grained		8.9% moisture	100	84
			8.3% moisture		558.9
			8.0% moisture		543.3
			8.0% moisture		531.4
			8.0% moisture		306.9
			9.2% moisture		383.3
			8.6% moisture		380.5
462.10	Gray SHALE w/sandy seams & trace organics				
461.53	Lt. Gray SANDSTONE		8.0% moisture		216.0
			8.5% moisture		81.6
	thick bedded, fine grained				
				100	85
457.85	Black COAL				
457.75	Gray SHALE				
456.60	Gray SILTSTONE				
454.80			5.3% moisture		37.4

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)

Illinois Department of Transportation
Division of Highways
Section Four Materials

SOIL BORING LOG

Page 1 of 1 Date 10/21/02

ROUTE FAP 317 & 315 (US 241L) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DBR
100 & US 138
SECTION 18RS-2, 19RS-3, 18BRY & 18BRY-1 LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, R1NG. 3E, 4th PM
BR, 18B-1

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ DATE _____
Station _____ DEPTH _____
BORING NO. 8210 (Retaining Wall) DATE _____
Station 82+10 DATE _____
Offset 28.00R ft
Ground Surface Elev. 491.60 ft

DEPTH (ft)	DESCRIPTION	REMARKS	MOISTURE (%)	UNIT WEIGHT (pcf)	STRENGTH (tsf)
491.60 -0.15'	NO SAMPLE TAKEN 0-1.5'				
490.10	Brown SILTY LOAM			2	
				4	3.5 16.4
				3	P
487.60	Brown & Gray SILT			3	
				6	1.3 23.1
				6	P
				3	
				5	1.4 23.8
				5	S
				2	
				3	2.0 25.9
				2	S
480.10	Brown SILTY CLAY			1	
				1	1.1 19.5
				4	B
477.60	Light Gray to Gray SILTY SHALE			3	
				6	4.3 16.5
				12	P
475.10	Light Brown & Light Gray SANDSTONE			22	
				100/95	7.5

* No H2O- hole collapsed @ 14.9'
** No H2O- hole collapsed @ 14.8'
End of Boring

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 T208)
BBS, form 137 (Rev. 8-99)

BORING DATA
F.A.P. RTE. 315 - SEC. 18RS-2, 19RS-3,
(18BRY & 18BRY-1) BR, 18B-1
FULTON COUNTY
RT. STATION 80+00 to 82+10
STRUCTURE NO. 029-W501