

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. 8
F.A.P. 315	#	FULTON	231	9 SHEETS
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  
District Four Materials

**SOIL BORING LOG** Page 1 of 1 Date 9/27/02

ROUTE FAP 317 & 315 (US 241L 100 & US 136) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DBR

SECTION 18RS-2, 19RS-3, (18BRY & 18BRY-1) BR, 18B-1 LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, R1G. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. \_\_\_\_\_ Station \_\_\_\_\_

BORING NO. 7979 (Retaining Wall) Station 79+79 Offset 79.00ft Rt. Ground Surface Elev. 489.20 ft

SOIL TYPE	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (ksf)	FAILURE MODE
No Sample Taken 0-1.5'							
Brown SILTY CLAY LOAM	487.70	2	3	4.3	18.9		
Brown CLAY LOAM w/tr. of silt	485.20	3	5	3.3	20.6		
Brown SANDY CLAY LOAM	482.70	2	1	1.0	22.8		
Brown/Gray CLAY LOAM	480.20	1	2	2.7	17.7		
Brown/Gray SHALEY CLAY	475.20	2	7	3.7	17.0		
Gray SHALE	472.70	10	44		11.8		
Light Gray SANDY SHALE	470.20	2	56		6.9		

\*\* No H2O- hole collapsed @ 14.1' 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, from 137 (Rev. 8-99)

**Illinois Department of Transportation**  
Division of Highways  
District Four Materials

**SOIL BORING LOG** Page 1 of 1 Date 10/18/02

ROUTE FAP 317 & 315 (US 241L 100 & US 136) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DBR

SECTION 18RS-2, 19RS-3, (18BRY & 18BRY-1) BR, 18B-1 LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, R1G. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. \_\_\_\_\_ Station \_\_\_\_\_

BORING NO. 8061 (Retaining Wall) Station 80+61 Offset 67.00ft Rt. Ground Surface Elev. 498.20 ft

SOIL TYPE	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (ksf)	FAILURE MODE
NO SAMPLE TAKEN 0-1.5'							
Light Brown SILTY CLAY LOAM	498.70	2	6	2.5	24.3		
Brown & Gray CLAY LOAM	494.20	2	8	2.9	15.4		
Gray SILTY CLAY	486.70	2	3	4.6	21.6		
Gray CLAY LOAM	484.20	2	3	1.4	17.8		
Light Gray & Light Brown CLAY LOAM TILL	479.20	4	9	5.8	14.9		

Light Gray & Light Brown CLAY LOAM TILL (continued)

Light Gray SILTY SHALE

Gray SHALE

\*\* No H2O- hole collapsed @ 22.9'

\*\* No H2O- hole collapsed @ 22.7'

Note: Boring offset to 67' due to overhead power lines 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, from 137 (Rev. 8-99)

**Illinois Department of Transportation**  
Division of Highways  
District Four Materials

**SOIL BORING LOG** Page 1 of 1 Date 10/18/02

ROUTE FAP 317 & 315 (US 241L 100 & US 136) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DBR

SECTION 18RS-2, 19RS-3, (18BRY & 18BRY-1) BR, 18B-1 LOCATION SW1/4, NE1/4, SEC. 8, TWP. 4N, R1G. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. \_\_\_\_\_ Station \_\_\_\_\_

BORING NO. 8139 (Retaining Wall) Station 81+39 Offset 85.00ft Rt. Ground Surface Elev. 503.50 ft

SOIL TYPE	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (ksf)	FAILURE MODE
NO SAMPLE TAKEN 0-1.5'							
Light Brown & Brown SILT	502.00	1	1	0.8	9.4		
Dark Gray, Gray & Brown CLAY LOAM TILL (continued)	477.00	43	5	2.3	15.8		
Light Gray & Gray SHALE	475.50	33	6	1.5	14.1		
Brown & Gray CLAY LOAM	492.00	2	4	3.5	20.8		
Reddish Brown & Gray SILTY CLAY	487.00	1	3	3.3	34.7		
Dark Gray, Gray & Brown CLAY LOAM TILL	484.50	4	4	4.3	19.2		

Dark Gray, Gray & Brown CLAY LOAM TILL (continued)

Light Gray & Gray SHALE

\*\*H2O Not Available  
Hole collapsed @ 19.2'  
NOTE: Boring offset to 66' ft. due to powerlines  
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, from 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