

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

**SOIL BORING LOG** Page 1 of 1 Date 2/19/02

ROUTE FAP 317 & 315 (US 241L) DESCRIPTION US 24 Lewistown to Duncan Mills LOGGED BY DLR  
18RS-2,18RS-3,18BRY&18BRY-I

SECTION BR,18B-1 LOCATION MW14, SE14, SEC. 8, TWP. 4N, RNG. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0060(prop)  
Station 84+68 (Bk. stationing)  
BORING NO. 8368 (Culvert)  
Station 83+68 (Bk. stationing)  
Offset 33.00ft Lt. CL  
Ground Surface Elev. 476.35 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUIDITY INDEX	UNSATURATED PLASTICITY CHART
0-15	NO SAMPLE TAKEN							
1	Gray COARSE SAND & GRAVEL							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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)

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COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0060(prop)  
Station 84+46 (Bk. stationing)  
BORING NO. 8446 (Bridge Abut.)  
Station 84+46 (Bk. stationing)  
Offset 14.00ft Rt.  
Ground Surface Elev. 489.8 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUIDITY INDEX	UNSATURATED PLASTICITY CHART
0-15	No Sample taken 0-15'							
1	GrayBrown SILTY CLAY (continued)							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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Offset 14.00ft Rt.  
Ground Surface Elev. 489.8 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUIDITY INDEX	UNSATURATED PLASTICITY CHART
1	Dk. Gray SHALE (continued)							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0060(prop)  
Station 84+52 (Bk. stationing)  
BORING NO. 8452 (Culvert)  
Station 84+52 (Bk. stationing)  
Offset 61.00ft Rt. CL  
Ground Surface Elev. 480.25 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUIDITY INDEX	UNSATURATED PLASTICITY CHART
1	Reddish Gray CLAY (continued)							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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**BORING DETAILS**  
F.A.P. RT. 315 SEC. 18B-1  
FULTON COUNTY  
STATION 84+17.00  
STRUCTURE NO. 029-0060