

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 68247

SHEET NO. 16  
16 SHEETS

**Illinois Department of Transportation**  
Division of Highways  
District Four Materials  
FAS 2883 (IL 98) near Groveland

**SOIL BORING LOG** Page 1 of 2  
Date 3/5/02

ROUTE Groveland DESCRIPTION IL 98 over Lick Creek LOGGED BY DBR  
SECTION (8B) BR-4 LOCATION SE1/4, SW1/4, NW1/4, SEC. 21, TWP. 25N, RNG. 4W, 3rd PM  
COUNTY TAZEWELL DRILLING METHOD HSA HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0088(exist.)  
Station 319+90  
BORING NO. 1 (E. Abut)  
Station 319+36  
Offset 32.00ft Lt  
Ground Surface Elev. 620.8 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	GROUNDWATER ELEV. (ft)	TESTS	REMARKS
0	Surface Water Elev. 609.5 ft				
0	Stream Bed Elev. 608.0 ft				
0	Groundwater Elev. 610.8 ft				
0	First Encounter Upon Completion 594.5 ft				
0	After 24 Hrs. 595.4 ft				
0	Gray CLAY LOAM (continued)				
2					
3					
2.5					
23.0					
5					
37					
40					
3.5					
11.0					
4					
46					
575.8					
585.8					
594.8					
1	Gray FINE SAND				
0.7					
14.0					
1	Gray SHALEY CLAY/SHALEY SILT				
12					
24					
25					
35					
65					
610.8					
1	Lt. Brown SILTY CLAY				
1.9					
23.0					
2					
3					
8.0					
608.3					
1	Gray CLAY LOAM				
1.4					
23.0					
43					
48					
588.3					
1	Gray SHALEY SILT				
25					
42					
3.1					
8.0					
46					
583.3					
2	Gray FINE SAND				
2.5					
22.0					
25					
33					
580.8					
40					

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)

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DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	GROUNDWATER ELEV. (ft)	TESTS	REMARKS
0	Surface Water Elev. 609.5 ft				
0	Stream Bed Elev. 608.0 ft				
0	Groundwater Elev. 610.8 ft				
0	First Encounter Upon Completion 594.5 ft				
0	After 24 Hrs. 595.4 ft				
46	Gray SHALEY SILT				
80					
9.0					
40@3					
37					
40					
3.5					
11.0					
46					
575.8					
585.8					
594.8					
19	Gray MEDIUM SAND				
23					
14.0					
23	SHALEY SILT @ 46.4'				
38					
End of Boring					
-50					
-60					

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COUNTY TAZEWELL DRILLING METHOD HSA HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0088(exist.)  
Station 319+90  
BORING NO. 2 (W. Abut)  
Station 320+37  
Offset 14.40ft Rt  
Ground Surface Elev. 629.8 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	GROUNDWATER ELEV. (ft)	TESTS	REMARKS
0	Surface Water Elev. 609.5 ft				
0	Stream Bed Elev. 608.0 ft				
0	Groundwater Elev. 608.0 ft				
0	First Encounter Upon Completion 608.0 ft				
0	After 24 Hrs. 595.9 ft				
0	Ground Surface Elev. 629.8 ft				
2	Brown SILTY CLAY LOAM				
0.5					
14.0					
2					
3					
24.0					
626.3					
2	Brown SILTY LOAM				
1.0					
23.0					
2					
3					
24.0					
623.8					
1	Brown CLAY LOAM				
0.7					
24.0					
1					
4					
21.0					
22.0					
2					
3					
17.0					
3					
19.0					
10					
30					
598.8					
618.8					
3	Lt. Brown/Lt. Gray SILTY LOAM				
5					
1.5					
24.0					
7					
16					
598.8					
616.3					
2	Gray SILT				
0.7					
27.0					
3					
19					
4.5					
9.0					
39					
593.8					
613.8					
2	Dk. Gray to Gray SILTY CLAY				
0.6					
25.0					
3					
4					
8.0					
1					
3					
1.2					
27.0					
3					
40					
591.3					
26					
9.0					
40					

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0	Surface Water Elev. 609.5 ft				
0	Stream Bed Elev. 608.0 ft				
0	Groundwater Elev. 608.0 ft				
0	First Encounter Upon Completion 608.0 ft				
0	After 24 Hrs. 595.9 ft				
0	Ground Surface Elev. 629.8 ft				
47	Gray CLAY LOAM TILL (continued)				
588.8					
47	Gray SILTY SHALE				
0.0@4					
8.0					
45					
0.0@4					
8.0					
585.5					
45					
0.0@4					
8.0					
End of Boring					
-45					
-60					

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BORING LOGS  
F.A.U. 6769 - SECTION (8B)BR-4  
TAZEWELL COUNTY  
STATION 319+71  
STRUCTURE NO. 090-0173