

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Missile Department of Transportation

SOIL BORING LOG

Page 1 of 2 Date 8/20/00

ROUTE FA 312 DESCRIPTION IL Route 3 over Horse Creek LOGGED BY Larry Ford

SECTION 71-BR LOCATION SEC., TWP., RANG., PM

COUNTY Randolph DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 079-0043 Station 1128+90

BORING NO. #2 S. Abut. Station 1128+90 Offset 9.00ft Ground Surface Elev. 407.4 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	UNIFIED SOIL CLASSIFICATION	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	STRENGTH
0	4 1/2" ASPHALT & 12" CONCRETE							
0.2	Gray Silty Clay LOAM			CL	0.2	51.0	30	
0.8	Gray LOAM			ML	1	0.6	23	
1.4	Gray SAND (Gradation)			SM	2	5.0	23	
2.0	Brown & Gray Silty CLAY w/Limestone Gravel			CL	6	NC	24	
2.6	Brown & Gray Weathered SHALE			ML	16	0.7	21	
3.2	Gray Silty Clay LOAM			CL	50	S/15		
3.8	Gray SILT LOAM			ML	11			
4.4	Gray SILT			ML	2	NC	11	
5.0	Gray SILT LOAM			ML	3	1.0	11	
5.6	Gray SILT LOAM			ML	4	S/10	11	
6.2	Gray SILT LOAM			ML	0	0.2	29	
6.8	Gray SILT LOAM			ML	0	0.2	29	
7.4	Gray SILT			ML	0	0.2	28	
8.0	Gray SILT			ML	0	0.2	28	

Borehole continued with rock coring.

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)

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ROCK BORING LOG

Page 2 of 2 Date 8/20/00

ROUTE FA 312 DESCRIPTION IL Route 3 over Horse Creek LOGGED BY Larry Ford

SECTION 71-BR LOCATION SEC., TWP., RANG., PM

COUNTY Randolph CORING METHOD

STRUCT. NO. 079-0043 Station 1128+90

BORING NO. #2 S. Abut. Station 1128+90 Offset 9.00ft Ground Surface Elev. 407.4 ft

DEPTH (ft)	ROCK DESCRIPTION	DRILLING METHOD	HAMMER TYPE	UNIFIED SOIL CLASSIFICATION	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	STRENGTH
0	Broken Weathered LIMESTONE							
0.2	Broken Weathered LIMESTONE							
0.8	Gray LIMESTONE							
1.4	Gray LIMESTONE							
2.0	Gray SHALE							
2.6	Gray LIMESTONE							
3.2	Gray LIMESTONE (Used Tri-Cone Bit)							
3.8	Gray LIMESTONE							
4.4	END OF BORING							

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BORING LOGS
F.A.P. RT. 312 - SEC. 71BR
RANDOLPH COUNTY
STATION 1128+90
STRUCTURE NO. 079-0048