

Illinois Department of Transportation
Division of Highways
District - Materials

SOIL BORING LOG

Page 1 of 2
Date 8/14/03

ROUTE FAU 9588 DESCRIPTION FAU 9588 over Pond Creek Tributary LOGGED BY Bryan Keller
SECTION 390(B-1) LOCATION 0.75 mi. E. of Herrin, SEC. 20, TWP. 8 S, RNG. 2 E, 3 PM
COUNTY Williamson DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 100-0080
Station 35+90.00

BORING NO. 1-S
Station 35+80
Offset 4.00ft Rt
Ground Surface Elev. 389.3 ft

Description	D E P T H (ft)	B L O W S (6")	U C S (tsf)	M O I S T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After 20 Hrs. _____ ft	D E P T H (ft)	B L O W S (6")	U C S (tsf)	M O I S T (%)
Very soft, moist, grey, Silty Loam A-4	1	0.2	30		384.8			1	1.4	27	
Very soft, very moist, brown mottled grey, Silty Clay Loam A-6	1	0.2	32		364.8			1	1.2	31	
Soft, very moist, brown mottled grey, Silty Clay to Silty Clay Loam A-6	1	0.4	30		362.3			1	1.6	31	
Stiff, moist to very moist, brown mottled grey, Silty clay A7-6	2	1.6	26		359.8			2	2.9	21	
Stiff, moist, brown, Silty Clay Loam A-6	2	1.2	27		357.3			2	1.4	29	
Stiff, moist, brown, Silty Clay A-6	2	1.2	32		354.8			5	6.4	15	
Stiff, moist, brown, Silty Clay A-6	1	1.9	32		352.3			1			
	2	S						4			
	2	S						7			
	20	WH						349.3	40	7	

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, form 137 (Rev. 8-99)

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Hard, dry, grey, Clay Shale	1009"				384.0						
Hard, dry, grey, Clay Shale	1001"										
Hard, dry, grey, Clay Shale	1008"										
Bottom of hole = 50.5 ft.											
Free water observed at 22.0 ft.											
Elevation referenced to CL SN 100-3008 at W abut: Elevation = 399.8 ft.											
To convert "N" values to "N60" values, multiply by 1.25											

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