STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 5/4/00

ROUTE FAP 331 DESCRIPTION FAP 331 (IL 13) over Mud Creek LOGGED BY R. Moberly

SECTION (12-BY-1)-1 LOCATION Near Mid S 1/2, NW 1/4, SE 1/4, SE 1/4, SEC. 2, TWP. 9S, RNG. 2W, 3 PM

COUNTY Jackson DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 039-0014
Station 243+40.00

BORING NO. 2-S
Station 242+31
Offset 28.00ft Rt
Ground Surface Elev. 382.0 ft

Surface Water Elev. 347.9 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After 24 Hrs. 348.5 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Very stiff, moist, brown, Silty Clay A-6
	5			
	7	2.3	22	
	7	B		
-5	4			
	4	2.1	21	
	5	B		
375.0				
	2			Stiff, moist to very moist, grey and brown, Clay to Silty Clay A7-6
	3	1.2	33	
	4	B		
372.5				
-10	2			Medium, very moist, grey and brown, Silty Clay A-6
	3	0.9	23	
	4	B		
370.0				
	1			Medium, very moist, brown, Silty Clay to Silty Clay Loam A-6
	2	0.7	23	
	2	B		
367.5				
-15	2			Stiff, moist to very moist, brown, Silty Clay A-6
	3	1.2	23	
	4	B		
	1			
	3	1.2	24	
	3	B		
362.5				
-20	3			
	4	1.0	17	Stiff, damp to moist, grey, Silt Loam to Silty Clay Loam A-4 (continued)
	4	B		
360.0				
	1			Stiff, moist, brown, Silty Clay to Silty Clay Loam A-6
	3	1.4	24	
	5	B		
357.5				
-25	1			Medium to stiff, very moist, grey, Silty Clay A-6
	2	0.7	25	
	2	B		
	1			
	3	1.2	26	
	4	B		
352.5				
-30	1			Medium, very moist, grey, Silty Clay Loam A-4
	2	0.6	27	
	1	B		
350.0				
	WH			Very soft, very moist, grey, Silty Clay Loam A-4
	WH	0.2	26	
	WH	B		
347.5				
-35	WH			Soft, very moist, brown mottled grey, Silty Clay Loam A-4
	WH	0.4	27	
	2	B		
345.0				
	WH			Medium, very moist, brown and grey, Silty Clay Loam A-4 with Sand seams
	1	0.7	28	
	2	B		
342.5				
-40	WH			

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)

Illinois Department of Transportation
IDOT

SOIL BORING LOG

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DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
	WH	0.9	30	Medium, very moist, grey, Silty Clay A-6 (continued)
	WH	B		
340.0				
	1			Stiff, moist, brown, Clay to Silty Clay A7-6
	2	1.6	27	
	4	B		
-45	1			
	2	1.4	26	
	3	B		
332.0				
-50	1			Stiff, moist, brown, Clay A7-6
	3	1.6	20	
	4	B		
	3			
	4	1.9	26	
	5	B		
322.5				
-60	1			
	3	1.1	21	Stiff, moist, brown, Clay A7-6 with Sand seams (continued)
	5	B		
318.5				
	2			Loose, very moist, brown, Fine to Medium Sand
317.5				
-65	3	1.5	19	
	5	B		Stiff, moist, yellow brown, Clay A7-6 with Sand seams
313.0				
	1004"			Hard, dry, grey, Clay Shale
-70				Bottom of hole = 69.8 feet
				Free water observed at 33.5 feet
				Elevation referenced to 1954 plans
				To convert "N" values to "N60" values, multiply by 1.25
-75				
-80				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

BORING LOGS
STRUCTURE NO. 039-0070 (E.B.)

SHEET NO. 22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	331	(12-BY-1)-1	JACKSON	67	43
			CONTRACT NO. 98641		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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