STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 1 of 2

Date 11/8/05

ROUTE Il. 152 DESCRIPTION Il. 152 over Panther Creek LOGGED BY Bryan Keller

SECTION 104BC-DR LOCATION 1.6 mi. E. Il. 13, SEC. 16, TWP. 6S, RNG. 2W, 3 PM

COUNTY Perry DRILLING METHOD HAMMER TYPE

STRUCT. NO. 073-0024
Station 875+13.10

BORING NO. 3-S
Station 874+34
Offset 47.00ft (T.
Ground Surface Elev. 394.5 ft

Surface Water Elev. 382.7 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 367.5 ft
Upon Completion ft
After 24 Hrs. 370.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, damp to moist, brown mottled grey, Silty Clay A-6					
			2		
			5	3.3	14
			5	S	
	390.0				
Stiff, moist, brown, Silty Clay A-6		-5	2		
			3	1.6	23
			3	B	
			2		
			4	1.7	20
			5	S	
	385.0				
Stiff, moist, grey mottled brown, Silty Clay Loam A-6		-10	2		
			4	1.9	26
			3	S	
	382.5				
Stiff, very moist, brown mottled grey, Silty Clay A-6			2		
			3	1.3	27
			2	B	
	380.0				
Stiff, very moist, brown, Clay A7-6		-15	2		
			3	1.9	26
			3	B	
	377.5				
Very stiff, moist, brown, Clay A7-6			2		
			4	2.4	26
			6	S	
	375.0				
Stiff, moist, grey mottled brown,		-20	2		
Clay A7-6			4	1.4	26
			4	B	
			2		
			4	1.8	26
			5	S	
		-25	2		
Medium, very moist to moist, brown mottled grey, Clay A7-6			3	0.9	25
			3	S	
	367.5				
Stiff, very moist, grey mottled brown, Clay A7-6			1		
			4	1.7	25
			3	B	
	365.0				
Stiff, very moist, grey, Clay A7-6		-30	2		
			3	1.3	48
			4	S	
	362.5				
Medium, very moist, grey, Silty Clay A-6 with Sand Layers			1		
			2	0.6	37
			2	B	
		-35	WH		
			WH	0.6	34
			1	B	
	357.5				
Very soft, wet, grey, Silty Clay A-6 with Sand Layers			WH		
			WH	0.2	36
			1	B	
	355.0				
		-40	1		

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)

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 2 of 2

Date 11/8/05

ROUTE Il. 152 DESCRIPTION Il. 152 over Panther Creek LOGGED BY Bryan Keller

SECTION 104BC-DR LOCATION 1.6 mi. E. Il. 13, SEC. 16, TWP. 6S, RNG. 2W, 3 PM

COUNTY Perry DRILLING METHOD HAMMER TYPE

STRUCT. NO. 073-0024
Station 875+13.10

BORING NO. 3-S
Station 874+34
Offset 47.00ft (T.
Ground Surface Elev. 394.5 ft

Surface Water Elev. 382.7 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 367.5 ft
Upon Completion ft
After 24 Hrs. 370.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, very moist, grey, Clay to Silty Clay A7-6 (continued)			1	0.9	29
			1	B	
	350.0				
Very loose, wet, grey, fine Silty Sand 96% Sand 2% Silt 2% Clay		-45	WH		
			WH		22
			1		
	345.0				
Soft, very moist to wet, grey, Silty Clay A-6		-50	1		
			3	0.4	29
			3	B	
	340.0				
Loose, wet, grey, fine Silty Sand with Silty Clay Layers 89% Sand 6% Silt 5% Clay		-55	1		
			5		24
			4		
	335.0				
		-60	9		
Very stiff, moist, grey, Clay Loam A-6 with some Gravel (continued)			12	3.0	19
			10	B	
		-65	2		
			7	3.3	19
			9	B	
		-70	2		
	324.0		6		
Hard, dry, grey, Sandstone	323.5		100/6"		
Bottom of hole = 71.0 ft.					
Free water observed at 27.0 ft.					
Elevation referenced to Bk. E. Abut. Sta. 874+32 at Cr. Elev. 399.7 ft.					
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)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

SOIL BORING LOGS
STRUCTURE NO. 073-0037

SHEET NO. 25	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	865	16B-2	PERRY	47	47
25 SHEETS			CONTRACT NO. 78064		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		