

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2
Date 4/9/09

ROUTE F.A.P. Route 745 DESCRIPTION IL 104 over GRINDSTONE CREEK LOGGED BY M. TAPPAN

SECTION 107B-1 LOCATION NW 14, SEC. 8, TWP. 3 S, RING. 5 W, 4 PM

COUNTY Adams DRILLING METHOD HSA HAMMER TYPE 140# AUTO

STRUCT. NO. 001-0507
Station 1246+88.00

BORING NO. B-WA
Station 1246+39
Offset 15.0ft LT.
Ground Surface Elev. 683.3 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
P	L	C	O	Stream Bed Elev.	P	L	C	O
T	O	S	S	Groundwater Elev.:	T	O	S	S
H	H	W	Q	First Encounter	H	H	W	Q
S	S	S	T	Upon Completion	S	S	S	T
				After Hrs.				
(ft)	(in)	(%)	(%)	PLUGGED ft	(ft)	(in)	(%)	(%)
				Brown & Grey Very Moist CLAY (continued) Free H2O	3	B		
				Very Dark Gray to Black Moist Very Poorly Indurated CLAYEY SHALE	8		15	
679.30				Brown Moist Medium SAND (Fill)	7		10	
				Black Moist Fleasie Lignitic Shale	25			
674.30				Brown Moist SILTY CLAY Till (Fill)	4			
				Gray Poorly Indurated CLAYEY SHALE	33		10	
				Rock in Sample - V. Poor Recovery	15			
669.30				Brown Very Moist LOAM	7			
				Olive Brown and Blue Gray Moist Fleasie CLAYEY SHALE	54		12	
666.30				Brown Very Wet SAND				
664.30				Brown & Grey Very Moist CLAY	10			
					82		11	

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, form 137 (Rev. 8-99)

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T	O	S	S	Groundwater Elev.:	T	O	S	S
H	H	W	Q	First Encounter	H	H	W	Q
S	S	S	T	Upon Completion	S	S	S	T
				After Hrs.				
(ft)	(in)	(%)	(%)	PLUGGED ft	(ft)	(in)	(%)	(%)
				Lt. Blue Gray Moist CLAYEY SHALE	28			

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STRUCT. NO. 001-0507
Station 1246+88.00

BORING NO. B-EA
Station 1247+34
Offset 15.0ft RT.
Ground Surface Elev. 683.6 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
P	L	C	O	Stream Bed Elev.	P	L	C	O
T	O	S	S	Groundwater Elev.:	T	O	S	S
H	H	W	Q	First Encounter	H	H	W	Q
S	S	S	T	Upon Completion	S	S	S	T
				After Hrs.				
(ft)	(in)	(%)	(%)	PLUGGED ft	(ft)	(in)	(%)	(%)
				Brown Moist SILTY CLAY (Fill)	3	B		
				Gray & Brown Moist SANDY CLAY (continued)	8			
				Brown FINE SAND Free H2O	2			
				Rock in Sample, Poor Recovery	13			
679.60				Brown Moist Med. SANDY GRAVEL (Fill) w/Gray Shale Clasts	5			
				Very Dark Gray to Black Moist Lignitic CLAYEY SHALE	20			
677.60				Brown Moist SANDY LOAM				
				Gray Moist Poorly Indurated CLAYEY SHALE	12			
				Gray & Brown CLAY (Fill)	10			
				Broken Concrete, Poor Recovery				
670.10				Tan & Gray Moist SILTY LOAM (Fill)	4			
				Olive Brown & Blue Gray Moist Fleasie CLAYEY SHALE	11			
667.60				Brown & Grey Moist SANDY LOAM				
				Gray & Brown Moist SANDY CLAY	16			
665.10				Gray & Brown Moist SANDY CLAY	20			
				Lt. Blue Gray Moist CLAYEY	12			

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T	O	S	S	Groundwater Elev.:	T	O	S	S
H	H	W	Q	First Encounter	H	H	W	Q
S	S	S	T	Upon Completion	S	S	S	T
				After Hrs.				
(ft)	(in)	(%)	(%)	PLUGGED ft	(ft)	(in)	(%)	(%)
				SHALE CLAYEY SHALE (continued)	28			

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BORING LOGS
STRUCTURE NO. 001-0507

SHEET NO. 21	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	745	107B-1	ADAMS	86	55
21 SHEETS	CONTRACT NO. 72B98				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					