STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 770	*	MOULTRIE	46	33
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 9
9 SHEETS

Contract #74183 *(116BR)B-1 & (116BR)BR

Illinois Department of Transportation
Division of Highways
District 7 – Materials

SOIL BORING LOG

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Date 5/30/07

ROUTE FAP 770 (IL 128) DESCRIPTION Moultrie/Shelby Co Line, Brush Creek LOGGED BY E. Sandschafer
SECTION (116BR)B-1 & (116BR)BR LOCATION NW 1/4, SEC. 30, TWP. 14 N, RNG. 4 E, 3 PM
COUNTY Moultrie DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 070-0018
Station 843+77.4
BORING NO. 2
Station 844+26
Offset 9.00ft Lt
Ground Surface Elev. 673.38 ft

Surface Water Elev. 665.04 ft
Stream Bed Elev. 663.12 ft
Groundwater Elev.:
First Encounter 637.4 ft
Upon Completion 648.1 ft
After 168 Hrs. 665.9 ft

DEPTH	BLOWS	UCS Qu	MOIST	DEPTH	BLOWS	UCS Qu	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
7" asphalt on 9.5" concrete pavement. 671.98				Hard, damp, gray, CLAY LOAM TILL. (continued)	12	4.1	10
					13	B	
Stiff, damp, dark gray, CLAY w/ trace SM.	1				5		
	3	1.2	24		10	4.0	10
	4	B			12	B	
	0				4		
-5	2	1.1	26	-25	7	2.3	11
	3	B			9	B	
666.38							
Medium to soft, damp, dark gray, SILTY CLAY.	0				3		
	1	0.5	22		5	1.8	12
	2	B			7	B	
	1			-30	4		
-10	2	0.7	27		5	1.0	12
	2	PP			6	B	
	0						
660.38	2	0.3	15				
Brown, wet, SANDY LOAM. 659.98	2	B					
CLAY LOAM TILL.				638.88			
658.48	3			Medium, very damp, gray, SILTY CLAY LOAM TILL.	0		
-15				-35			
Very stiff, damp, gray, LOAM TILL.	7	3.5	10		2	0.4	15
	10	B			5	B	
656.38							
Hard, damp, gray, CLAY LOAM TILL.	6						
	10	4.2	10				
	12	B					
-20	7			-40	2		

Logfile # 18 dtg 4/4/08 eh. Logfile # 19 dtg 3/5/08 eh. dtg Date: WED. AM

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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Page 2 of 2

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DEPTH	BLOWS	UCS Qu	MOIST	DEPTH	BLOWS	UCS Qu	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Medium to stiff, damp, gray, CLAY LOAM TILL. (continued)	4	1.0	14	Very dense, moist, gray, SANDSTONE. (continued) 642.88	50/4"		
	4	B			50/2"		
				Extent of exploration.			
				Benchmark: Local Station 844+00 centerline = 673.46' elevation. Provided by Program Development.			
628.88							
Medium, very damp, gray, SANDY LOAM TILL.	1						
-65				-65			
	4	0.6	15				
	5	B					
623.88							
Medium, damp, gray, SANDY LOAM.	4			-70			
	13	0.4	13				
	14	S					
-55				-75			
613.88	49			-80			

Logfile # 18 dtg 4/4/08 eh. Logfile # 19 dtg 3/5/08 eh. dtg Date: WED. AM

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BORING LOGS
F.A.P. RTE. 770 -
SEC. (116BR)B-1 & (116BR)BR
MOULTRIE COUNTY
STATION 843+77.40
STRUCTURE NO. 070-2019

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