STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



Name SASOILSIGINT FILESIMACOUPINIOS9-0512 IL 111 OVER OTTER CREEK itude 39*20.361N Longitude 90*02.185W Datum NAD83 Job Number D-96-009-08

Brown and Grey Wet SAND LOAM Free Water

SOIL BORING LOG

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Date __7/16/09

ROUTE	FAP 608 DESCRIPTION				IL 111 Over Otter Creek				LOGGED BYM. Tappan				
SECTION _	122B-2	LC	CATI	ON _	SW 1/-	4, SEC	. 6, TWP . 10 N, RNG . 8	W, 3 PM					
COUNTY _	Macoupin	_ DRILLIN	G ME	THOD			HSA	HAMMER	TYPE		140‡	# Auto	
STRUCT. NO	059-001 ² 0. 059-051 ²		D	В	U	М	Surface Water Elev.	507.9	ft	D	В	U	M

STRUCT. NO. 059-0512 Pr Station 762+23	D E P	B L O	U C s	M O I	Surface Water Elev. 507.9 Stream Bed Elev. 506.4		D E P	B L O	U C S	M O I
BORING NO. NA	Т	W		S	Groundwater Elev.:		T	W		s
Station 761+35	Н	S	Qu	Т	∑First Encounter508.1		Н	S	Qu	Т
Offset 14.0ft LT Ground Surface Elev. 525.6 ft	(ft)	/6"	(tsf)	(%)	▼Upon Completion Washed ▼After Hrs. Plugged		(ft)	/6"	(tsf)	(%)
Brown and Grey Moist CLAY LOAM (Fill)	_				Brown and Grey Wet SAND LOAM (continued)					
		1						0		
		2	0.9	14	With Brown Dirty 4" Sand Seam			0	0.0	22
		2	В					0	В	
					Deals Constitution Maint Clu TV	502.60				
		0			Dark Grey Very Moist SILTY CLAY LOAM		-	0		
		2	1.0	10	1		-	0	0.3	23
	-5	2	S-13				-25	1	В	
		1			Constitution Majorial CARA	499.60	\dashv	0		
Brown		2	0.8	14	Grey Very Moist LOAM		+	0	0.1	26
BIOWII		2	S-10	1-7				1	В	
517.60						497.60				
Grey Moist SILTY CLAY LOAM					Grey Medium SAND					*
		0	0.5		Gradation NA-1			0		
		0	0.5 B	23			_	1		
	10						-30			
							\exists			
		W								
		0	0.1	25						
		Н	В		Grey Medium to Coarse Very Dirty	493.10	-			
					SAND with some Pea Gravel		-			

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 T206) BBS, from 137 (Rev. 8-99)

0.0 25 Washed

Gradation NA-2

Moist CLAY

0 0.0 20 Olive Brown and Blue Grey

Washed

488.10

4 2.4

н в

O 0.0 25 H B

- o

0 0.0 1 B



SOIL BORING LOG

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Date __7/16/09

ROUTEFAP 608 DESCRIPTION				IL 111 Over Otter Creek			LOGGED BY M. Tappan			
SECTION 122B-2 LOCATION _SW 1/4, SEC. 6, TWP. 10 N, RNG. 8 W, 3 PM										
COUNTY Macoupin DRILLING	3 ME	THOD		HSA H	AMMER TYPE	IER TYPE140# Auto				
059-0011 Ex 059-0512 Pr Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion	506.4 ft 508.1 ft Vashed ft	D B E L P O T W H S	U C S Qu	M O I S T	
Ground Surface Elev. 525.6 ft Moist CLAY (continued)	(ft)	/6	(tsf)	(%)	▼After Hrs. F Moist Clayey SHALE (con	Plugged It	(ft) /6"	(tsf)	(%)	
		2			Very Dark Grey Fissile Calcareous Shale Auger Refusal Boring Completed				11	
Brown Moist Clay with Angular Limestone Clasts	-45	5 6	2.1 S-13	18			-65			
Olive Brown and Grey Moist		2	1.9	20						
Shaley Clay	50	7	B	20						
Moist Clayey SHALE Olive Grey	_	13 29 71		12						
	-55	2								
Very Dark Grey Moist Very Poorly Indurated Clayey Shale	-60	9 18		19			-80			

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BORING LOGS-1 STRUCTURE NO. 059-0512



SHEET NO.21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.						
608	122B-2	MACOUPIN	53	39						
		CONTRACT	NO. 72	353						
ILLINOIS FED. AID PROJECT										