STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 662	(V,T)B-2	MACOUPIN	66	46
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
20 SHEETS

Contract #72993

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
IDOT – District 6

Page 1 of 3

Date 9/3/03

ROUTE FAP 662 (IL 4) DESCRIPTION over Honey Creek LOGGED BY M. Tappan

SECTION (V,T)BR-1 LOCATION NE 14, SEC. 24, TWP. 9 N, RNG. 7 W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 059-0008 Ex 059-0504 Pr
Station 447+04

BORING NO. 3 N. Abut
Station 446+29
Offset 13.0ft Rt
Ground Surface Elev. 602.4 ft

Surface Water Elev. 582.6 ft
Stream Bed Elev. 581.5 ft

Groundwater Elev.:
First Encounter 580.9 ft
Upon Completion Washed ft
After Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Grey Moist CLAY LOAM (Fill)			1		
			2	1.4	14
		-5	3	B	
			0		
			1	0.5	15
			2	B	
			0		
			1	0.7	16
		-10	2	B	
			0		
			1	0.8	16
			2	B	
	588.40		1		
Grey Moist SILT LOAM			2	1.0	22
		-15	5	B	
	586.90				
Grey V. Moist SAND LOAM to SAND			0		
			0	0.3	20
	584.90		2	S-5	
Grey V. Moist Fine to Medium Grained Dirty SAND					
			0		
			1		
		-20	2		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
	581.90				
Grey V. Moist LOAM to SAND LOAM			0		
Free Water			0	0.2	27
Sampler Advanced by Weight of Hammer			0	B	
			0		
			1		
		-25	1		
	576.90				
Grey Moist CLAY LOAM (Till)			1		
			2	1.5	17
			4	B	
			1		
			2	1.2	16
		-30	4	B	
			2		
			4		
		-35	3		
			4		
		-40	5	1.2	22
			4	B	

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, form 137 (Rev. 8-99)

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Page 2 of 3

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) (continued)					
			2		
Olive Brown			3	2.2	19
		-45	6	B	
			4		
Grey and Olive Brown			6	4.7	18
		-50	11	B	
			7		
Grey			6	2.5	15
		-55	8	B	
			4		
Olive Brown and Grey			8	5.2	14
		-60	12	B	

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) (continued)					
		-65	3		
			8	3.8	14
		-70	11	B	
		-75			
	524.40				
Grey Medium to Coarse Grained SANDY GRAVEL			2		
			16		
		-80	17		

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Page 3 of 3

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Medium to Coarse Grained SANDY GRAVEL (continued)					
			11		
Washed			16		
		-85	18		
	514.90				
Olive Grey Moist LOAM					
			6		
Washed			6	2.2	22
		-90	6	B	
	511.40				
Blue Grey Moist Micaceous Clayey SHALE					
			41		
	507.90		100		12
Boring Completed		-95	/3"		
Refer STA to cL of Existing Structure cL = 447+04 Increase to North					
Refer Elevation to BM#20A = 603.0'					
		-100			

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BORING LOGS
F.A.P. RT. 662 SECTION (V,T)B-2
MACOUPIN COUNTY
STATION 447+03.80
STRUCTURE NO. 059-0504