STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 662	(V,T)B-2	MACOUPIN	68	50A
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

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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 / 3	1.4 B	14
	588.40	-5			
Grey Moist SILT LOAM			1 / 2 / 2	0.5 B	15
	586.90	-10			
Grey V. Moist SAND LOAM to SAND			1 / 2 / 2	0.7 B	16
	584.90	-15			
Grey V. Moist Fine to Medium Grained Dirty SAND			1 / 2 / 2	0.9 B	16
		-20			
Grey V. Moist LOAM to SAND LOAM			1 / 2 / 3	1.0 S-S	22
	581.90	-25			
Free Water Sampler Advanced by Weight of Hammer			0 / 0 / 0	0.2 B	27
Grey Moist CLAY LOAM (Till)			0 / 1 / 1	0.5 B	15
	576.90	-30			
Grey Moist CLAY LOAM (Till)			1 / 2 / 4	1.2 B	16
	573.40	-35			
Grey Moist CLAY LOAM (Till)			1 / 2 / 3	1.1 B	23
	571.40	-40			
Grey Medium to Coarse Grained SANDY GRAVEL			1 / 2 / 4	1.2 B	22

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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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) (continued)			2 / 3 / 6	2.2 B	19
Olive Brown		-45			
Grey and Olive Brown			4 / 6 / 11	4.7 B	18
		-50			
Grey			7 / 6 / 9	2.6 B	15
		-55			
Olive Brown and Grey			4 / 8 / 12	5.2 B	14
		-60			
Grey Moist CLAY LOAM (Till) (continued)			3 / 5 / 11	3.8 B	14
		-65			
		-70			
Grey Medium to Coarse Grained SANDY GRAVEL			2 / 16 / 17		
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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First Encounter 580.9 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Medium to Coarse Grained SANDY GRAVEL (continued)			11 / 16 / 19		
Washed		-85			
Olive Grey Moist LOAM	514.90		6 / 6 / 6	2.2 B	22
Washed		-90			
Blue Grey Moist Micaceous Clayey SHALE	511.40		41 / 100 / 3"		12
Boring Completed	507.90	-95			
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