STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 4	F(B-3)	MACOUPIN	27	22
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
6 SHEETS

Illinois Department of Transportation
Division of Highways
IDOT District 9

SOIL BORING LOG

Page 1 of 1

Date 8/27/03

ROUTE SBI 4 (Old IL 4) DESCRIPTION over Hurricane Creek LOGGED BY M. Tappan

SECTION F(B-3) LOCATION NW 1/4, SEC. 10, TWP. 10 N, RNG. 7 W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 059-0030 Ex / 059-2503
Station 10+00

BORING NO. 1 SW WW
Station 9+63
Offset 10.00ft Lt
Ground Surface Elev. 99.9 ft

Surface Water Elev. 90.7 ft
Stream Bed Elev. 90 ft

Groundwater Elev.:
First Encounter 78.4 ft
Upon Completion Dry ft
After Hrs. Plugged ft

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dark Gray Moist SILTY CLAY (Fill)			
	1		
-5	2 2	0.8 B	26
94.40			
Brown and Dark Grey Moist SILTY CLAY	1		
	2 3	1.1 B	24
92.40			
Grey and Brown Moist Weathered SILTY CLAY (Till)	1		
	2 4	1.2 B	17
-10			
89.40			
Grey Dry SANDY CLAY LOAM (Till)	5		
	11 16	5.3 S-10	9
	9		
Broken Sample	22 31	9.0 E	8
-15			
	11		
Broken Sample	32 68 /5"	+10 E	7
	12		
Broken Sample	33 67	+10 E	8
-20			

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Dry SANDY CLAY LOAM (Till) *(continued)*	/6"		
	9		
Broken Sample	41 59 /5"	+10 E	7
Free Water 77.40			
Boring Completed			
-25			
-30			
-35			
-40			

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)

BBS, from 137 (Rev. 8-99)

ROUTE SBI 4 (Old IL 4) DESCRIPTION over Hurricane Creek LOGGED BY M. Tappan

SECTION F(B-3) LOCATION NW 1/4, SEC. 10, TWP. 10 N, RNG. 7 W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 059-0030 Ex / 059-2503
Station 10+00

BORING NO. 2 NE WW
Station 10+33
Offset 9.00ft Rt
Ground Surface Elev. 99.7 ft

Surface Water Elev. 90.7 ft
Stream Bed Elev. 90 ft

Groundwater Elev.:
First Encounter 75.7 ft
Upon Completion 83.7 ft
After Hrs. Plugged ft

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dark Grey Moist SILTY CLAY (Fill)			
	1		
-5	2 3	1.7 S-10	20
94.20			
Brown and Grey Moist Weathered SILTY CLAY (Till)	1		
	2 4	1.8 B	20
	1		
	2 2	0.8 B	24
-10 89.20			
Grey and Brown Moist CLAY LOAM (Till)	1		
	9 12	3.7 S-10	10
86.70			
Grey Dry SANDY CLAY LOAM (Till)	7		
	24 27	8.7 S-5	7
-15			
	11		
Broken Sample	52 48 /5"	+10 E	9
	8		
Broken Sample	42 58	+10 E	7
-20			

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Dry SANDY CLAY LOAM (Till) *(continued)*	/6"		
77.20			
Grey Wet Coarse Grained SANDY GRAVEL	5		
Free Water 74.70 -25	25 47		
Boring Completed			
Refer STA, Elevation to cL of Existing Structure			
Assume cL = 10+00, 100.0'			
-30			
-35			
-40			

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)

BBS, from 137 (Rev. 8-99)

SOIL BORING 059-0030 IL 4 OVER HURRICANE CREEK.GPJ IL_DOT.GDT 8/19/03

DESIGNED	N. KAMPMAN
CHECKED	M. HOOK
DRAWN	N. KAMPMAN
CHECKED	M. HOOK

- 20

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

SOIL BORING LOGS
OLD IL 4 OVER HURRICANE CREEK
SBI ROUTE 4 SECTION F(B-3)
MACOUPIN COUNTY
STATION 2126+25.00
STRUCTURE 059-2503