68379

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
380	*	KNOX	35	16A
* D4 CULVERT EXT/REPAIR 2006				

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 2/1506

ROUTE FAS Route 380 (IL 8) DESCRIPTION Boring for proposed sheet pile at culvert LOGGED BY JAR

SECTION D4 Culv. Ext/Repair 2006 LOCATION LOCATION 1, SEC., TWP., RNG.

COUNTY Knox DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. 193555
Station 1935+55
Offset 14.00ft RT
Ground Surface Elev. 572.50 ft

Surface Water Elev. 559.00 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 557.1 ft
Upon Completion 560.3 ft
After 24 Hrs. 561.7 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder gravel & bituminous			
571.00			
Brown SILTY CLAY LOAM	2		
	3	2.0	22.0
	2	P	
568.50			
Brown CLAY LOAM	1		
-5	2	1.3	29.0
	2	B	
	1		
	2	0.6	27.0
	2	B	
563.50			
Brown, Gray SILTY LOAM	1		
-10	1	0.6	36.0
	2	B	
561.00			
Dark Gray SILTY CLAY LOAM	1		
	2	1.1	32.0
	2	B	
	1		
-15	2	1.2	47.0
	5	B	
0.5" layer of wet sand and gravel			
556.00			
Dark Gray SILTY LOAM	2		
	2	1.1	28.0
	4	S	
553.50			
Dark Brown PEAT	2		
-20	2	1.2	60.0
Dark Brown PEAT (continued)	3	S	
	2		
	2	1.5	76.0
	4	P	
	2		
-25	3	2.0	99.0
	5	P	
	2		
	3	1.5	61.0
	5	P	
	1		
organic silt/silty loam			
543.50			
Dark Gray silty SAND(Loam)	2	<.25	28.0
-30	5	P	
10' sand blow in @ 30.5'			
sand & gravel @ 30.5' 542.00			
End of Boring			
-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)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOG