BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 6/28/06

ROUTE IL 251 DESCRIPTION P92-001-07 Box culvert on IL 251, 0.5 m. S. of Cottage Hill Road LOGGED BY P. Drezen

SECTION LOCATION Brooklyn Twp. - 32 E, SEC. , TWP. 37N, RNG. 1E

COUNTY Lee DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 052-1079
Station

BORING NO. B-2b
Station +10 S
Offset 12.00ft E CL
Ground Surface Elev. 100.00 ft

Surface Water Elev. ft
Stream Bed Elev. 93.00 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
brown SANDY LOAM					15.0
	97.50		1		
MEDIUM black SILTY CLAY LOAM			2	0.7	32.0
	96.00		3	B	
		-5			
MEDIUM black SILTY CLAY LOAM			1		
			2	0.8	30.0
	93.50		3	B	
MEDIUM gray LOAM TILL			2		
			3	1.0	19.0
	91.00		4	B	
		-10			
LOOSE gray moist dirty SAND			2		
			3	0.7	26.0
	88.50		4		
MEDIUM gray SILTY CLAY			3		
			6	0.5	19.0
	86.00		8	P	
		-15			
VERY SOFT gray SILTY CLAY			4		
			3	0.2	22.0
	83.50		6	B	
VERY STIFF gray SILTY CLAY			2		
			5	2.1	24.0
	81.00		5	B	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY with TILL			2		
			4	1.0	14.0
	78.50		6	B	
MEDIUM gray SILTY CLAY with TILL			5		
			6	0.8	15.0
	76.00		8	P	
		-25			
MEDIUM gray SILTY CLAY with TILL			4		
			4	0.9	13.0
	73.50		7	B	
SOFT gray SILTY CLAY with TILL			2		
			3	0.5	15.0
	71.00		5	B	
		-30			
MEDIUM gray SILTY CLAY with TILL			3		
			4	0.8	16.0
	68.50		5		
MEDIUM gray LOAM with TILL			3		
			3	0.9	13.0
	66.00		5	B	
		-35			
STIFF gray SILTY CLAY with TILL			3		
			4	1.7	13.0
	63.50		6	B	
MEDIUM gray LOAM with TILL			8		
			9	0.5	14.0
	61.00		11	P	
		-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)

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First Encounter ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray LOAM with TILL			5		
			8	1.7	12.0
	58.50		8	B	
End of Boring					
		-45			
		-50			
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

BORING LOGS

PLOT DATE = Tue Feb 26 18:31:27 2008
FILE NAME = c:\projects\p2001077\d001077logs.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = cuahernbx