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-1b
Station +20 N
Offset 12.00ft W CL
Ground Surface Elev. 99.50 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 93.00 ft

Groundwater Elev.:
First Encounter 83.0 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM					
				0.5 P	26.0
	97.00				
STIFF brown SILTY LOAM			2		
			3	1.0 P	24.0
	95.50		4		
		-5			
MEDIUM brown SILTY LOAM			1		
			1	0.6 B	37.0
	93.00		3		
STIFF gray LOAM			1		
			1	1.7 B	16.0
	90.50		4		
		-10			
MEDIUM gray SILTY CLAY with TILL			2		
			2	0.8 B	16.0
	88.00		4		
MEDIUM gray fine moist SAND with SILTY CLAY lens			2		
			4	0.8 B	23.0
	85.50		4		
		-15			
STIFF gray SILTY CLAY			3		
			5	1.5 P	25.0
	83.00 ▼		6		
STIFF gray SILTY CLAY			3		
			6	1.8 P	26.0
	80.50		6		
		-20			
STIFF gray SILTY CLAY with TILL			1		
			2	1.7 B	14.0
	78.00		5		
STIFF gray SILTY CLAY with TILL			3		
			5	1.8 B	13.0
	75.50		8		
		-25			
STIFF gray SILTY CLAY with TILL			5		
			7	1.8 B	11.0
	73.00		8		
STIFF gray SILTY CLAY with TILL			3		
			5	1.2 B	14.0
	70.50		6		
		-30			
STIFF gray SILTY CLAY with TILL			2		
			5	1.4 B	13.0
	68.00		6		
STIFF gray SILTY CLAY with TILL			3		
			5	1.2 B	13.0
	65.50		7		
		-35			
STIFF gray SILTY CLAY with TILL			3		
			4	1.7 B	13.0
	63.00		8		
STIFF gray SILTY CLAY with TILL			3		
			6	1.7 B	9.0
	60.50		9		
		-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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Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILT CLAY with TILL			3		
			4	1.7 B	11.0
	58.00		7		
End of Boring					
		-45			
		-50			
		-55			
		-60			

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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 10:31:26 2008
FILE NAME = e:\projects\p200187\d00187logs.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = cushmanbw