BORING LOGS

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

SOIL BORING LOG

Page 1 of 2

Date 9/14/06

ROUTE FAP 316 DESCRIPTION P92-006-07 Box culvert on IL 26, .2 m. N. of Amboy Road LOGGED BY W. Garza

SECTION 102T LOCATION Marion Twp. - 21 NE, SEC. , TWP. 20N, RNG. 9E

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

STRUCT. NO. 052-1027
Station 457+04

BORING NO. B-1a
Station 456+98
Offset 14.00ft Lt CL
Ground Surface Elev. 99.60 ft

Surface Water Elev. 95.00 ft
Stream Bed Elev. 95.00 ft

Groundwater Elev.:
First Encounter 89.6 ft ▼
Upon Completion Dry ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Rock					
SOFT brown LOAM				0.3 P	12.0
MEDIUM brown SANDY LOAM	97.10		1		
			2	0.8 P	16.0
			3		
MEDIUM light gray SILTY CLAY LOAM	95.60	-5	1		
			2	0.6 P	22.0
			3		
LOOSE/MEDIUM light gray clean medium coarse SAND, moist	92.60		3		
			4		
			6		
MEDIUM light gray fine SAND	90.60	▼ -10	6		
			12		
			16		
MEDIUM olive-green dirty SAND with medium GRAVEL	88.10		1		
			5		
			9		
STIFF tan LOAM TILL	85.10	-15	1		
			3	1.4 B	14.0
			4		
STIFF tan/olive-green LOAM TILL	83.10		3		
			4	2.0 P	14.0
			8		
	80.60	-20			
VERY STIFF tan SILTY LOAM TILL			4		
			6	2.3 B	13.0
			8		
STIFF gray SANDY LOAM TILL	78.10		4		
			7	1.1 S	8.0
			7		
STIFF gray SANDY LOAM TILL with SAND lens	75.60	-25	4		
			6	1.8 S	12.0
			10		
VERY STIFF gray SILTY CLAY TILL	73.10		10		
			15	3.2 P	13.0
			15		
STIFF gray SANDY LOAM TILL	70.60	-30	2		
			8	1.3 S	12.0
			12		
VERY STIFF gray SILTY CLAY LOAM TILL	68.10		5		
			6	2.5 B	10.0
			10		
STIFF gray SANDY LOAM TILL	65.60	-35	10		
			13	1.6 B	9.0
			18		
VERY STIFF gray LOAM TILL	63.10		5		
			6	2.9 B	12.0
			11		
	60.60	-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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Stream Bed Elev. 95.00 ft

Groundwater Elev.:
First Encounter 89.6 ft ▼
Upon Completion Dry ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF gray SILTY CLAY LOAM TILL			6		
			9	2.5 B	13.0
			13		
End of Boring	58.10				
		-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 = Thu Jan 24 15:34:08 2008
FILE NAME = C:\Projects\p206507\d0507logs.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = hernandez