


BORING LOGS



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

SOIL BORING LOG

Page 1 of 1
Date 7/25/06

ROUTE IL 73 DESCRIPTION P92-029-07 culvert, .1 m. N. of Mound Road LOGGED BY W. Garza


SECTION _____ LOCATION Kent Twp. - 16 SW, SEC. , TWP. 27N, RNG. 6E

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

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T U R E %	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:		D E P T H S	B L O W S	U C S Qu	M O I S T U R E %	
					ft		ft		ft						(ft)
Asphalt									No Recovery			3			
MEDIUM tan dry SAND				6.0			78.20					4			
									STIFF gray SILTY CLAY LOAM TILL with weathered LIMESTONE fragments			9			
SOFT gray SILTY LOAM		1										5			
	97.20											13	1.9	12.0	
		1	0.3	31.0								13	S		
	95.70	2	B				75.20								
STIFF black SILTY CLAY LOAM with 12% ORGANICS									STIFF gray SILTY CLAY LOAM TILL			10			
		1										10	1.3	18.0	
	93.20	4	P	45.0			73.20					10	B		
MEDIUM gray SILTY CLAY									STIFF gray SILTY CLAY			2			
		1										3	1.3	27.0	
	90.70	4	B	19.0			70.20					6	B		
STIFF gray SILTY CLAY TILL									DENSE tan weathered LIMESTONE			1			
		2										3			
	88.20	5	B	28.0			68.20		End of Boring			34			
STIFF gray tan SILTY CLAY LOAM															
		3													
	85.70	5	B	28.0											
MEDIUM gray SANDY LOAM															
		4													
		3	0.5	23.0											
	82.70	4	P												
MEDIUM tan SILTY CLAY LOAM TILL with weathered LIMESTONE fragments															
		2													
	80.70	5	B	17.0											

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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Page 1 of 1
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ROUTE IL 73 DESCRIPTION P92-029-07 culvert, .15 m. N. of Mound Road LOGGED BY W. Garza

SECTION _____ LOCATION Kent Twp. - 16 SW, SEC. , TWP. 27N, RNG. 6E

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

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T U R E %	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:		D E P T H S	B L O W S	U C S Qu	M O I S T U R E %	
					ft		ft		ft						(ft)
Asphalt															
MEDIUM tan dry SAND							78.30		STIFF gray SILTY CLAY			3			
												3	1.2	25.0	
VERY SOFT gray SILTY LOAM												6	B		
	97.30	1							SOFT gray SILTY LOAM			2			
		1	0.2	31.0								3	0.4	27.0	
	95.80	2	P				75.80					5	B		
SOFT gray SILTY LOAM									VERY SOFT gray SILTY LOAM			1			
		1										3	0.2	26.0	
	93.30	2	P	32.0			72.80					4	P		
MEDIUM dark gray SILTY CLAY LOAM									VERY DENSE tan weathered LIMESTONE			100/2"			
		1													
	90.80	3	B	35.0			70.80		End of Boring						
MEDIUM gray SILTY CLAY LOAM															
		1													
	88.30	3	B	30.0											
MEDIUM gray SILTY CLAY LOAM with fine SAND lens															
		1													
	85.80	2	B	26.0											
MEDIUM tan SILTY CLAY with LIMESTONE fragments															
		0													
	83.30	4	B	18.0											
STIFF gray SILTY CLAY LOAM TILL															
		5													
	80.80	9	B	15.0											

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)