


BORING LOGS



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

SOIL BORING LOG

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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 _____


BORING NO. B-2a
Station 15' N.
Offset 11.00ft CL West Side
Ground Surface Elev. 99.70 ft

Description	D E P T H S	B L O W S	U C S	M O I S T U R E	Soil Description			
					(ft)	(/6")	(tsf)	(%)
Asphalt								
MEDIUM tan dry SAND							6.0	
SOFT gray SILTY LOAM	97.20	1						
		1	0.3	31.0				
	95.70	2	B					
STIFF black SILTY CLAY LOAM with 12% ORGANICS		1						
		2	1.2	45.0				
	93.20	4	P					
MEDIUM gray SILTY CLAY		1						
		2	0.5	19.0				
	90.70	4	B					
STIFF gray SILTY CLAY TILL		2						
		3	1.4	28.0				
	88.20	5	B					
STIFF gray tan SILTY CLAY LOAM		3						
		4	1.2	28.0				
	85.70	5	B					
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						
		3	0.9	17.0				
	80.70	5	B					

Surface Water Elev. 97.10 ft
Stream Bed Elev. 96.00 ft
Groundwater Elev.:
First Encounter None ft
Upon Completion 79.7 ft
After _____ Hrs. _____ ft

BBS, from 137 (Rev. 8-99)

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)



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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 _____

BORING NO. B-2b
Station 21' N.
Offset 11.00ft West CL
Ground Surface Elev. 99.80 ft

Description	D E P T H S	B L O W S	U C S	M O I S T U R E	Soil Description			
					(ft)	(/6")	(tsf)	(%)
Asphalt								
MEDIUM tan dry SAND								
VERY SOFT gray SILTY LOAM	97.30	1						
		1	0.2	31.0				
	95.80	2	P					
SOFT gray SILTY LOAM		1						
		2	0.4	32.0				
	93.30	2	P					
SOFT gray SILTY LOAM		1						
		2	0.4	32.0				
	90.80	3	B					
MEDIUM dark gray SILTY CLAY LOAM		1						
		2	0.7	35.0				
	88.30	3	B					
MEDIUM gray SILTY CLAY LOAM		1						
		1	0.5	30.0				
	85.80	3	B					
MEDIUM gray SILTY CLAY LOAM with fine SAND lens		1						
		2	0.8	26.0				
	83.30	2	B					
MEDIUM tan SILTY CLAY with LIMESTONE fragments		0						
		2	0.6	18.0				
	80.80	4	B					
STIFF gray SILTY CLAY LOAM TILL		5						
		6	1.9	15.0				
	78.30	9	B					

Surface Water Elev. 93.60 ft
Stream Bed Elev. 93.20 ft
Groundwater Elev.:
First Encounter 72.3 ft
Upon Completion 77.3 ft
After _____ Hrs. _____ ft

BBS, from 137 (Rev. 8-99)

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)