Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/8/04

ROUTE I-80 DESCRIPTION I-80 over Hennepin Canal, 1 mile West of IL 40 LOGGED BY C. Jenkins

SECTION (06-2)BR-3, 4 LOCATION Concord Twp. - 9 NW, SW, SEC. , TWP. 16N, RNG. 7E

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

STRUCT. NO. 006-0011
Station 426+69.5

BORING NO. 5
Station 425+68
Offset 38.50ft Lt CL EB
Ground Surface Elev. 642.00 ft

Surface Water Elev. 632.00 ft
Stream Bed Elev. 628.00 ft

Groundwater Elev.:
First Encounter 626.5 ft ▼
Upon Completion Wash ft
After 24.0 Hrs. 621.0 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SANDY LOAM with 10% ORGANICS				0.7 P	18.0
	639.00				
STIFF pink/brown SILTY LOAM TILL			2		
			4	1.1 S	12.0
	637.50		5		
		-5			
MEDIUM brown SANDY LOAM TILL			3		
			2	0.8 P	15.0
	635.00		3		
MEDIUM pink/brown SANDY LOAM TILL with SAND lenses			2		
			3	0.9 P	14.0
	632.50		5		
		-10			
STIFF black SANDY LOAM TILL			5		
			5	1.8 P	16.0
			6		
	629.50				
LOOSE gray SAND & GRAVEL			2		
			4		
	627.50		4		
		-15			
VERY LOOSE gray fine SAND			1		
			0		
	625.00		2		
No Sample			3		
			3		
			5		
		-20			
No Sample *(continued)*	621.50				
MEDIUM gray SILT with 17% ORGANICS			1		
			0	1.0 B	69.0
			1		
	619.50				
No Sample			2		
			2		
			4		
	617.00	-25			
MEDIUM gray SILT with 13% ORGANICS			0		
			1	0.7 B	43.0
	615.00		1		
SOFT gray SILT with 15% ORGANICS			1		
			2	0.4 P	49.0
			3		
	612.00	-30			
LOOSE gray SAND & GRAVEL			1		
			3		
	610.00		9		
VERY DENSE gray SAND & GRAVEL			25		
			24		
	607.50		27		
		-35			
MEDIUM gray SAND & GRAVEL			8		
			10		
	605.00		12		
Wash DENSE tan SAND & GRAVEL			9		
			15		
	602.50		18		
		-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, form 137 (Rev. 8-99)

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash DENSE gray well-cemented SAND & GRAVEL			20		
			20		
			17		
	600.00				
	597.50				
		-45			
Wash MEDIUM tan SAND & GRAVEL			5		
			5		
			11		
	595.00				
	592.50				
		-50			
MEDIUM tan SAND & GRAVEL			7		
			11		
	590.00		14		
	587.00	-55			
Wash VERY STIFF brown SILTY CLAY TILL			8		
			17	3.5 B	11.0
			16		
	584.50				
7/9/04 Wash MEDIUM tan fine grained SAND			7		
			9		
	582.50		10		
		-60			
Wash MEDIUM tan fine SAND			2		
			6		
	580.00		14		
	577.50				
		-65			
Wash MEDIUM tan SAND with some GRAVEL			2		
			7		
	575.00		14		
	572.00	-70			
Wash VERY STIFF brown SILTY CLAY TILL			4		
			6	3.1 B	13.0
	570.00		8		
Wash MEDIUM brown SILTY CLAY TILL with SAND lenses			6		
			4	1.5 S	13.0
			8		
	567.00	-75			
MEDIUM tan SAND with a SILT lens			5		
			8		
	565.00		10		
Wash DENSE tan and gray SAND & GRAVEL			6		
			13		
	562.50		20		
End of Boring		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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