

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SOIL BORING LOG

Date 5/31/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert, IL 72 over ditch .1 m. E. of Goldmine Road LOGGED BY J. Strating

SECTION _____ LOCATION Shannon Wp. - 16 SW, SEC., TWP. 25N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO. 008-1080 Station _____

BORING NO. B-2c Station +28 E of Cully CL
Offset 10.00R S CL
Ground Surface Elev. 100.0 ft

DEPTH (ft)	DESCRIPTION	U (tsf)	M (tsf)	DEPTH (ft)	U (tsf)	M (tsf)
0	Surface Water Elev. <u>92.8</u> ft			0		
0	Stream Bed Elev. <u>92.7</u> ft			0		
0	Groundwater Elev.: First Encounter <u>73.5</u> ft			0		
0	Upon Completion _____ ft			0		
0	After _____ Hrs.			0		
0	MEDIUM black SILTY CLAY LOAM	0.5 P	18	2		
0				4	1.9 B	15
97.50				8		
0	MEDIUM black SILTY CLAY LOAM	1 3 4	1.0 B	28		
96.00				3		
0				5	1.7 B	28
0				11		
0	MEDIUM black SILTY LOAM	1 3 4	0.8 P	25		
93.50				1		
0				3		
0	STIFF tan/gray SILTY CLAY LOAM	4 5	1.3 B	26		
91.00				3		
0				3		
0	MEDIUM tan/gray SILTY LOAM	2 2 4	0.6 B	24		
88.50				7		
0				10		
0	MEDIUM tan SILTY LOAM TILL	2 3 5	0.7 B	13		
86.00				12		
0				9		
0	SOFT tan SILTY LOAM TILL with SAND lens	2 3 4	0.3 B	14		
83.50				7		
0				8	1.5 P	29
0				3		
0	STIFF tan SILTY CLAY with CHERT	4 5 8	1.8 P	17		
81.00				5		
0				7		
0				9		

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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0	Stream Bed Elev. <u>92.7</u> ft			0		
0	Groundwater Elev.: First Encounter <u>73.5</u> ft			0		
0	Upon Completion _____ ft			0		
0	After _____ Hrs.			0		
0	DENSE tan weathered LIMESTONE			14		
0				15		
0				16		
0	End of Boring					

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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)

DESIGNED	ASP
CHECKED	WSP
DRAWN	BGC
CHECKED	ASP

EXAMINED	200
PASSED	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG
F.A.P. 545 (IL. RTE. 72)
SECTION 114T-1
CARROLL COUNTY
STATION 322+38.25
STRUCTURE NO. 008-1091