Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/26/06

ROUTE FAP 542 (IL 61) DESCRIPTION IL 61 over Lamoine R. 1mi. S. of Colmar LOGGED BY JAR

SECTION 105BR-1 LOCATION SW 1/4 of the SE 1/4, SEC. 18, TWP. 4N, RNG. 4W, 4TH PM

COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE AUTOMATIC

STRUCT. NO. Exist. 055-0010
Station 758+83.50

BORING NO. 6 (Pier 1)
Station 757+06 (EX)
Offset 27.50 ft Lt
Ground Surface Elev. 515.83 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 501.8 ft ▼
Upon Completion N/A ft
After 24 Hrs. 507.7 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY		H		
	-5	H 1	0.3 B	26
		H 2 1	0.2 B	26
506.83				
Brown Fine SAND		1		
	-10	2 2		22
504.33				
Brown, Grey SANDY CLAY		H		
		H 2	<0.25 P	32
501.83 ▼				
Brown SILTY CLAY		H		
	-15	1 1	<0.25 P	28
		1		
		1 1	0.5 P	26
496.83				
Greenish-Grey SANDY CLAY w/ traces of wood chips		1		
	-20	1	1.0	93
Greenish-Grey SANDY CLAY w/ traces of wood chips (continued)		2	P	
494.33				
Grey Medium-Coarse SAND and GRAVEL		1		
		3 2		15
		2		
	-25	3 5		45
489.33				
Grey CLAY		2		
		1 2	0.4 B	28
		H		
	-30	1 3	0.4 B	28
484.33				
Grey Medium-Coarse SAND and GRAVEL		H		
		2 6		17
		3		
	-35	3 3		24
476.83				
Grey CLAY		2		
	-40	5	3.3	30

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	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey CLAY (continued)		7	B	
		3		
	-45	7 9	5.4 B	25
		2		
	-50	3 5	2.3 B	28
		2		
	-55	6 7	2.9 B	28
456.83				
Grey Coarse SAND and GRAVEL		4		
	-60	14		13
Grey Coarse SAND and GRAVEL (continued)		19		
		10		
	-65	12 11		16
		5		
445.83	-70	45		10
Lt. Grey LIMESTONE		65Ø1"		
441.43		100		17
End of Boring	-75	Ø5"		
	-80			

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