Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/18/06

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. 3 (Pier 5)
Station 760+46 (EX)
Offset 30.20 ft Rt
Ground Surface Elev. 511.35 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 492.2 ft ▼
Upon Completion N/A ft
After 24 Hrs. 507.9 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey Coarse SAND and GRAVEL (continued)					
			9		
			6		18
		-85	9		
		-90			
	417.85				
Grey Hard LIMESTONE	417.81		100 @0.5'		
End of Boring		-95			
		-100			

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)

Illinois Department of Transportation
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SOIL BORING LOG

Date 4/20/06

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. 4 (N. Abut)
Station 761+21 (EX)
Offset 28.00 ft Rt
Ground Surface Elev. 519.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 503.1 ft ▼
Upon Completion N/A ft
After 24 Hrs. 513.6 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown CLAY			2		
			3	1.7	21
			3	B	
		-5			
	513.57 ▽				
Grey SILTY CLAY			1		
			2	0.8	22
			1	P	
	511.07				
Grey, Brown CLAY			3		
			4	3.7	17
			6	B	
		-10			
			1		
			3	1.2	24
			3	B	
	506.07				
Grey, Brown SILTY CLAY			1		
			2	0.5	26
			2		
		-15			
	503.57				
Grey, Brown CLAY	▼		2		
			2	1.2	25
			3	B	
			1		
			3	1.4	26
			4	B	
		-20			
Grey, Brown CLAY (Continued)	498.57				
Grey, Brown SILTY CLAY			2		
			1	0.5	25
			2	B	
			1		
			2	0.4	27
			2	B	
		-25			
			1		
			2	0.3	26
			3	P	
	491.07				
Grey Fine SAND			1		
			1		24
			2		
		-30			
			3		
			4		22
			4		
			3		
			6		22
			8		
		-35			
	481.07				
Grey Fine-Medium SAND and GRAVEL			1		
			6		18
			5		
		-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)

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