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 (%)
Brown, Grey CLAY			1		
			1	1.3	25
		-5	2	P	
			H		
			1	1.1	25
			2	B	
			1		
			3	1.2	23
		-10	3	B	
			1		
			3	1.8	24
			5	B	
Brown, Grey SILTY CLAY	497.85		1		
			2	0.3	25
		-15	2	B	
			1		
			1	0.3	25
			2	B	
			1		
			2	0.6	23
		-20	2	B	
Brown, Grey SILTY CLAY (continued)	490.35				
Brown, Grey SILTY LOAM			H		
			1	0.2	23
			2	B	
3" wet sand	487.85				
Grey Fine-Medium SAND			1		
			3		21
		-25	4		
Grey Fine SAND well sorted	485.35		H		
			2		
			2		
			H		
			3		
		-30	4		
Grey Medium-Coarse SAND and GRAVEL	480.35		1		
			3		18
			5		
			H		
			2		15
		-35	3		
			4		
			7		4
		-40	8		

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 (%)
Grey Medium-Coarse SAND and GRAVEL (continued)	467.85				
Grey SILTY CLAY/ CLAY			3		
			4	2.9	28
		-45	6	B	
			3		
			5	2.9	28
		-50	5	B	
			3		
			5	2.3	29
		-55	5	B	
	452.85		8		
Grey Coarse SAND and GRAVEL			22		12
		-60	40		
Grey Coarse SAND and GRAVEL (continued)					
			3		
			5		16
		-65	12		
			12		
			15		13
		-70	30		
			15		
			10		17
		-75	14		
		-80			

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