Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/15/06

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. 1 (Pier 3)
Station 759+07 (EX)
Offset 32.70 ft Rt
Ground Surface Elev. 513.87 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 498.9 ft ▼
Upon Completion N/A ft
After 24 Hrs. 506.6 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dk. Brown/ Brown SILTY CLAY			1		
			1		14
			2		
	509.87				
Brown CLAY			1		
		-5	1	2.3	19
			3	P	
			1		
		▽	2	1.5	25
			2	P	
			1		
		-10	2	1.1	28
			2	B	
	502.37				
Gray SILTY CLAY			H		
			1	0.4	33
			1	B	
			H		
		▼-15	1	0.9	34
			1	B	
			1		
			1	0.7	34
			2	B	
	494.87				
Gray SILTY CLAY LOAM			1		
		-20	1	0.5	28
Gray SILTY CLAY LOAM (continued)			2	B	
			1		
			2	0.9	30
			1	B	
wood			2		
		-25	2		
			3		
			H		
			H	0.6	24
			2	B	
1" sand seam			1		
		-30	1	0.6	27
			2	B	
			H		
			1	0.6	27
			3	B	
	479.87				
Brown Cse GRAVEL w/ SAND	479.12		3		11
Gray/Brown SANDY CLAY LOAM		-35	2	0.8	21
			2	P	
	477.37				
Gray SANDY LOAM			2		
			2		22
			3		
	474.87				
Gray CLAY	474.37		2	1.1	23
Brown Cse SAND & GRAVEL		-40	5	B	16

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 (%)
Brown Cse SAND & GRAVEL (continued)			6		
			4		
			3		10
			4		
			2		
		-45	2		13
			4		
			5		
		-50	5		19
			6		
	459.87				
Gray SILTY CLAY			4		
		-55	5	4.5	25
			7	B	
	454.87				
Gray Cse SAND & GRAVEL			11		
		-60	25		15
Gray Cse SAND & GRAVEL (continued)			40		
			2		
		-65	30		11
			36		
			14		
		-70	7		12
			10		
	440.87				
LIMESTONE very hard drilling; auger refusal	440.75		100 @1.5"		
End of Boring		-75			
		-80			

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)

USER NAME = dhaberling	DESIGNED - BRD/FLL	REVISED -	
FILE NAME = 0550083-68482.dgn	CHECKED - SDS/JHP	REVISED -	
PLOT DATE = 12/21/2010	DRAWN - DLH	REVISED -	
PLOT TIME = 10:31:23 AM	CHECKED - CWC/SDS	REVISED -	

WHKS & co. ENGINEERING
7018 KINGSMILL CT., SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 055-0083

SHEET NO. 33 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
542	105BR-1	McDONOUGH	117	73
		CONTRACT NO. 68482		
		ILLINOIS FED. AID PROJECT		