



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 3

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. Exlst. 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

DEPTH (ft)	BLOWS	UNCONSOLIDATED	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UNCONSOLIDATED	MOISTURE (%)
476.07				Grey Fine-Medium SAND and GRAVEL (continued)	456.07			
	9					1		
	9		12	Brown Medium-Coarse SAND and GRAVEL		2		17
	7					5		
-45					-65			
471.07				Grey CLAY	451.07			
	3					8		
	4	0.6	26	Grey GRAVELS (limestone) and Coarse SAND		26		12
	4	B				42		
-50					-70			
	3					11		
	5	2.5	30			11		10
	6	B				13		
-55					-75			
	4					14		
	6	2.9	26			14		13
	8	B				29		
-60					-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)



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DEPTH (ft)	BLOWS	UNCONSOLIDATED	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UNCONSOLIDATED	MOISTURE (%)
				Grey GRAVELS (limestone) and Coarse SAND (continued)				
						11		
						14		15
						13		
-85					-85			
						12		
						13		3
						14		
-90					-90			
						3		
						10		17
						27		
-95					-95			
						9		
						100		14
						95'		
420.17				AUGER REFUSAL @ 98.9'	420.17			
				End of Boring				
-100					-100			

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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 = dheberling	DESIGNED - BRD/FLL	REVISED -
FILE NAME = 0550083-68482.dgn	CHECKED - SDS/JHP	REVISED -
PLOT DATE = 12/21/2010	DRAWN - DLH	REVISED -
PLOT TIME = 10:31:30 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. 37 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
542	105BR-1	MCDONOUGH	117	77
CONTRACT NO. 68482				
ILLINOIS FED. AID PROJECT				