



Illinois Department  
of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 4/27/06

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. Exst. 055-0010  
Station 758+83.50

BORING NO. 7 (S. Abut)  
Station 756+43 (EX)  
Offset 47.50 ft Lt  
Ground Surface Elev. 515.18 ft

DEPTH (ft)	BLOW COUNT (blows/6")	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After 24 Hrs. (ft)
0									
2		Grey Fine SAND (continued)							
4									
6									
492.18									
2		Brown, Grey SANDY LOAM							
1	2		23						
2	0.5		P						
509.68									
2		Brown, Grey SILTY CLAY							
1	<0.25		29						
2	P								
1									
1	0.4		32						
1	B								
10									
H									
1	0.4		35						
1	B								
502.18									
H		Grey CLAY w/ silt and sand seams & tr of organics							
1	0.6		30						
2	B								
499.68									
1		Grey SILTY CLAY							
1	0.4		28						
2	B								
497.18									
3		Grey Fine SAND							
4			25						
4									
20									

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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0									
2		Grey CLAY (continued)							
4									
6									
472.18									
4		Grey CLAY/SILTY CLAY							
7	2.1		24						
10	B								
8									
8									
10		1" clay seam							
65									
4									
5	4.1		27						
7	B								
20									
19		4" clay seam							
6									
20									
19									
445.18 -70									
H		Lt Grey LIMESTONE began hard drilling @ 70'							
100 @ 1"			5						
3									
4	2.1		30						
6	B								
440.68									
55		AUGER REFUSAL @ 74.5'							
75		End of Boring							
457.18									
6		Grey Medium-Coarse SAND and GRAVEL							
3			18						
5									
60									

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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 = 10:31:35 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. 40 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
542	105BR-1	MCDONOUGH	117	80
CONTRACT NO. 68482			ILLINOIS FED. AID PROJECT	