Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 10/6/09

ROUTE FAP 685 DESCRIPTION IL 9 over Little Creek Structure Replacement (055-2008 Proposed) LOGGED BY KEG - IK

SECTION (118B)BR-1 LOCATION West of Blandinsville; W 1/2, SEC. 32, TWP. 7N, RNG. 4W, Latitude N40° 33' 25.3", Longitude W90° 52' 40.8"

COUNTY McDonough DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0012 (EX)
Station

BORING NO. NE
Station 80+60
Offset 65 ft Lt
Ground Surface Elev. 686.53 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft

Groundwater Elev.:
First Encounter 666.5 ft ▼
Upon Completion - ft
After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRASS COVER & TOPSOIL	685.5				
FILL: Dark brown, silty clay (A-6)			1		
			2	0.0	25
			2	P	
			WH		
			WH	<0.25	30
		-5	WH	P	
			WH		
	679.5		2	-	18
CLAY: Gray and brown, some sand, trace coarse gravel (A-7)			1		
Becomes brown and gray and grades to trace fine gravel			2		
			4	2.0	16
		-10	4	P	
Becomes gray			3		
			3	2.0	14
			3	P	
Becomes grayish brown			5		
			5	2.3	13
		-15	6	P	
			3		
			4	1.8	13
			6	B	
			4		
		▼-20	7	-	14
			8		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Gray and brown, some sand, trace coarse gravel (A-7) (continued)			2		
			5	1.8	14
			9	B	
No recovery			7		
			9	-	
		-25	13		
			2		
			4	0.7	14
			7	B	
			4		
			7	2.2	13
		-30	11	B	
			3		
			6	1.8	14
		-35	7	B	
			3		
	647.3		12	-	15
		-40	24		

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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After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILT: Gray (A-4) (continued)	644.7				
CLAY: Grayish brown, some sand, trace fine gravel (A-7)			6		
			9	3.6	18
	641.5	-45	14	B	
Boring terminated at 45.0 ft.					
		-50			
		-55			
		-60			

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)

FILE NAME = $FILEL$

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, Il 60187

USER NAME = $USER$	DESIGNED - PRD	REVISED -
	CHECKED - AWW	REVISED -
PLOT SCALE = 1:0.166667	DRAWN - DJW	REVISED -
PLOT DATE = 1/6/2011	CHECKED - AWW	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 055-2008
SHEET NO. 11 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	(118B)BR-1	MCDONOUGH	43	24
		CONTRACT NO. 68662		
		ILLINOIS FED. AID PROJECT		