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' 24.6", Longitude W90° 52' 43.5"

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

STRUCT. NO. 055-0012 (EX)
Station
BORING NO. SW
Station 79+07
Offset 65 ft Rt
Ground Surface Elev. 687.47 ft

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

Groundwater Elev.:
First Encounter 677.5 ft ▼
Upon Completion 679.5 ft ▽
After 24 Hrs. 682.2 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRASS COVER & TOPSOIL	686.5				
FILL: Brown, clay (A-7)	685.5		2		
FILL: Dark brown, silty clay, trace organics (A-6)			2 3	2.0 P	23
			3		
		-5	2 2	0.0 P	26
▽	681.0		WH		
SAND: Dark brown, fine to medium, some silt, clay (A-2)	679.5▽		1 1	-	25
SANDY CLAY: Dark gray, trace fine gravel (A-6)			1		
		▼-10	2 1	-	23
	676.5				
CLAY: Grayish brown, some sand, trace fine gravel, black shale (A-7)			2		
			2 3	-	16
			4		
		-15	5 7	1.6 B	16
			3		
			4 7	1.8 B	14
			3		
		-20	5 10	2.1 B	14
CLAY: Grayish brown, some sand, trace fine gravel, black shale (A-7) (continued)			2		
		-25	5 7	2.2 B	14
			3		
		-30	4 7	1.5 B	15
			2		
		-35	5 7	1.8 B	14
			2		
		-40	5 8	1.5 B	15
Becomes grayish brown and gray			2		
		-45	5 7	1.7 B	16
			2		
		-50	5 11	2.2 B	14
CLAY: Grayish brown, some sand, trace fine gravel, black shale (A-7) (continued)	645.7				
SANDY CLAY: Grayish brown (A-6)			3		
	643.0		5	-	14
SAND: Grayish brown, some silt, clay (A-2)					
	640.5				
SAND: Grayish brown, fine to medium (A-3)			-		
			-	-	19
	637.5	-50	-		
Boring Terminated at 50.0 ft.		-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)

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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. 13 OF 14 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	(118B)BR-1	MCDONOUGH	43	26
		CONTRACT NO. 68662		
		ILLINOIS FED. AID PROJECT		