Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 10/5/09

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′ 41.9″

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

STRUCT. NO. 055-0012 (EX)
Station

BORING NO. SE
Station 80+16
Offset 30 ft Rt
Ground Surface Elev. 694.77 ft

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

Groundwater Elev.:
First Encounter 651.3 ft ▼
Upon Completion 651.3 ft ▽
After 24 Hrs. 683.5 ft ▽

Description	DEPTH (ft)	BLOWS (/6″)	UCS Qu (tsf)	MOIST (%)
GRASS COVER & TOPSOIL 693.8				
FILL: Crushed rock & Brown, sandy clay (A-6)		9		
		6 6	-	4
Poor recovery - coarse, limestone rock		3		
		2 2	-	22
689.3	-5			
CLAY: Brown (A-7)		2		
		3 4	0.9 B	21
		2		
		3 5	1.3 B	21
684.3	-10			
SILTY CLAY: Brown and grayish brown (A-6) ▽		1		
		3 3	0.7 B	19
681.8				
CLAY: Brown, some sand, trace fine gravel (A-7)		2		
		4 6	1.1 B	15
Becomes grayish brown		3		
		7 8	3.6 B	13
		4		
		5 7	2.2 B	12
	-20			
CLAY: Brown, some sand, trace fine gravel (A-7) (continued)		2		
		3 5	1.8 B	15
		2		
		5 6	1.8 B	13
	-25			
		WH		
		2 4	0.3 P	18
		4		
		3 5	2.2 B	16
	-30			
		4		
		7 10	2.2 B	14
	-35			
		1		
		3 6	1.8 B	13
	-40			

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	DEPTH (ft)	BLOWS (/6″)	UCS Qu (tsf)	MOIST (%)
CLAY: Brown, some sand, trace fine gravel (A-7) (continued)				
▽▼		4		
		3 4	-	21
	-45			
		2		
		5 7	1.5 B	15
644.8	-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)
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