



Illinois Department  
of Transportation  
Division of Highways  
Illinois Department of Transportation

# SOIL BORING LOG

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Date 10/27/08

ROUTE FAP 685 DESCRIPTION IL Route 9 over Shaw Creek - Culvert & Side Slope LOGGED BY SCI  
SECTION 37 BR-1 LOCATION Approximately 0.8 mile east of IL 4; NW 1/4, Sec. 19, TWP, 7N, RNG. 1E  
COUNTY McDonough DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I	ft	P	O	S	I
Station	H	S	Qu	T	ft	H	S	Qu	T
Offset	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
					Stream Bed Elev.				
					Groundwater Elev.:				
					First Encounter	585.2			
					Upon Completion	600.2			
					After - Hrs.				
FILL: Cinders and sand, trace fine gravel	2				CLAY LOAM: Brown (A-7) (continued)		3	1.5	28
	5			9			4	B	
	2						2		
	3				Shelby tube obtained in offset boring (B-105ST - Sta. 577+76/13'Rt, El. 611.4) from 21 to 23 feet.	587.9	3	0.5	29
	608.9		0.8	25			2	B	
FILL: Brown silty clay loam (A-7)	2				SILTY LOAM: Brown (A-4)		4	0.3	26
	608.2		P				4	P	
FILL: Brown clay loam (A-7)	3		0.8	21			2		
			B				3	0.3	26
							5	P	
	605.2		0.6	28			1		
FILL: Brown and greenish gray silty clay loam (A-7)	2				SAND: Brown, fine (A-3)		3		20
			1.9	28			5		
			B				WH		
							2		22
			1.3	27			3		
	602.2		B		Tremie pipe used to wash hollow stem auger and to collect SPT sample below 28.5 feet.		4		
FILL: Greenish gray and brown clay (A-7)	2						5		
	601.2	-10	1.2	28			8		
			B				5		
FILL: Brown sandy clay loam (A-4)	2						7		
			0.6	19			9		
			B				5		
							6		
			0.8	20			10		
			B				6		
							8		
			0.6	25			13		
			B		End of Boring at 34.5 ft.				
	595.7								
SILTY CLAY: Dark brown (A-6)	2		0.4	23					
			B						
	594.2								
CLAY LOAM: Brown (A-7)	3		0.7	23					
			B						
			2.1	25					
			B						
	-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)

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME =	USER NAME = SEC	DESIGNED - ---	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT EXTENSION BORING LOGS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	DRAWN - SEC	CHECKED - ---	REVISED -			685	37BR-1	MCDONOUGH	138	43	
PLOT SCALE = NTS	DATE - 9/23/09	REVISOR -	REVISED -			CONTRACT NO. 68352		ILLINOIS FED. AID PROJECT			
PLOT DATE = 9/23/2009	DATE - 9/23/09	REVISOR -	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.		