



Illinois Department  
of Transportation  
Division of Highways  
SCI Engineering, Inc.  
FAP 665 (IL 116) & FAP

# SOIL BORING LOG

Page 1 of 1

Date 1/8/09

ROUTE 534 (IL 94) DESCRIPTION Culvert Boring LOGGED BY SCI  
SECTION (136, 137)W&RS-3; 136R; 109BR-2 LOCATION Media Township; NE 1/4, SEC. 16, TWP. 9N, RNG. 4W,  
COUNTY Henderson DRILLING METHOD CME 45 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T U R E	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
BORING NO. 40 Station 153+46 Offset 55 ft Lt Ground Surface Elev. 658.3 ft					Groundwater Elev.: First Encounter Not observed ft Upon Completion Not observed ft After _____ Hrs. Backfilled ft
SILTY CLAY LOAM: Dark brown (A-6)					
657.3					
SILTY CLAY LOAM: Dark brown (A-7-6)	1				
	2	2.0	28		
	3	B			
Becomes grayish brown and dark brown	2				
	3	1.3	24		
Becomes grayish brown	-5	3	B		
652.8					
CLAY LOAM: Brown and grayish brown, trace fine and coarse gravel (A-7)	2				
	3	1.5	17		
	3	P			
650.3					
SHALEY CLAY: Brown (A-7)	6				
	7	2.5	19		
	-10	12	S		
647.8					
CLAYEY SHALE: Gray	4				
	14	4.5	11		
	27	P			
	5				
	15	4.5	13		
	-15	28	P		
	17				
	30	4.5	11		
	42	P			
	23				
	100	4.5	11		
	-20	P			
638.3					

End of Boring at 20.0 ft.  
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)  
AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-99)



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STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T U R E	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
BORING NO. 41 Station 153+62 Offset 43 ft Rt Ground Surface Elev. 664.7 ft					Groundwater Elev.: First Encounter Not observed ft Upon Completion 652.7 ft After _____ Hrs. Backfilled ft
CLAY: Brown (A-7)					
	2				
	3	1.1	26		
	3	B			
661.7					
SILTY CLAY LOAM: Dark brown (A-7)	1				
	2	0.4	32		
	-5	2	B		
659.2					
CLAY: Dark brown and brown (A-7)	2				
	2	1.4	23		
	3	B			
656.7					
CLAY LOAM: Gray and brown (A-7)	2				
	3	1.4	20		
	-10	3	B		
Becomes brown and gray, trace fine gravel	2				
	2	3.1	16		
	6	B			
	2				
	5	2.6	15		
	-15	6	B		
649.7					
End of Boring at 15.0 ft.					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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