



Illinois Department
of Transportation

Division of Highways
SCI Engineering, Inc.

FAP 665 (IL 116) & FAP

SOIL BORING LOG

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Date 12/11/08

ROUTE 534 (IL 94) DESCRIPTION Culvert Boring LOGGED BY SCI

SECTION 109BR-2 LOCATION Media Township, NW 1/4, SEC. 16, TWP. 9N, RNG. 4W,

COUNTY Henderson DRILLING METHOD CME 45 w/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. 36
Station 124+03
Offset 11 ft Lt
Ground Surface Elev. 660.1 ft

D	B	U	M
E	L	C	O
P	O	S	I
T	W	S	S
H	S	Qu	T

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter Not observed ft
Upon Completion Not observed ft
After _____ Hrs. Backfilled ft

(ft)	(/6")	(tsf)	(%)
8	B		
4			
6	2.4	17	
7	B		
5			
6	2.6	18	
8	B		
2			
4	2.2	15	
9	B		
-45			
3			
4	1.9	17	
6	B		
4			
6	3.2	15	
10	B		
5			
11	5.9	12	
18	B		

CLAY LOAM: Brown and gray, trace fine gravel (A-7) (continued)
Becomes gray and grayish brown

610.6

End of Boring at 49.5 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)
AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-99)



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Date 12/18/08

ROUTE 534 (IL 94) DESCRIPTION Culvert Boring LOGGED BY SCI

SECTION 109BR-2 LOCATION Media Township, NW 1/4, SEC. 16, TWP. 9N, RNG. 4W,

COUNTY Henderson DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. 37
Station 124+55
Offset 85 ft Rt
Ground Surface Elev. 637.6 ft

D	B	U	M
E	L	C	O
P	O	S	I
T	W	S	S
H	S	Qu	T

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter Not observed ft
Upon Completion Not observed ft
After _____ Hrs. Backfilled ft

(ft)	(/6")	(tsf)	(%)
3			
3	-	21	
5			
3			
6	2.3	30	
-5	B		
3			
5	2.5	16	
7	B		
2			
5	2.9	17	
-10	B		
4			
8	3.8	16	
9	B		
4			
6	3.7	16	
-15	B		
2			
5	3.9	18	
8	B		
3			
4	3.0	16	
-20	B		

CLAY LOAM: Brown (A-7) --- 637.1
SANDY LOAM: Brown, trace fine gravel (A-2)

634.6

CLAY LOAM: Grayish brown, trace fine gravel (A-7)
Silt loam deposit

Becomes grayish brown and gray

Becomes gray and brown

Becomes less sandy

(ft)	(/6")	(tsf)	(%)
2			
4	3.1	18	
7	B		
2			
7	3.3	16	
10	B		

CLAY LOAM: Grayish brown, trace fine gravel (A-7) (continued)
Becomes grayish brown

612.6 -25

End of Boring at 25 ft.

-30

-35

-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)
AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-99)