Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

Date 1/8/09

FAP 665 (IL 116) & FAP (136, 137)W&RS-3; 136R;

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

SECTION 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

BORING NO. 42
Station 154+79
Offset 14 ft Lt
Ground Surface Elev. 671.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Not observed ft
Upon Completion Not observed ft
After Hrs. Backfilled ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRUSHED ROCK & BROWN AND DARK BROWN SILTY CLAY LOAM (A-6)	670.3				
FILL: Dark brown silty clay (A-6)	668.8		3		
			3	0.8	25
			3	P	
FILL: Brown silty clay (A-7)	665.3		2		
			2	0.7	27
			2	B	
		-5	2		
			2	2.0	22
			3	B	
FILL: Gray clay (A-7)	661.8		1		
			2	1.2	22
			3	B	
			WH		
			2	1.1	28
			2	B	
			1		
		-10	2	2.3	27
			5	B	
FILL: Dark brown silty clay loam, some organics (A-6)	661.3		1		
SILTY CLAY: Dark brown (A-6)			2	0.3	36
			2	P	
			1		
			1	<0.25	24
			2	P	
CLAY: Dark brown (A-7)	658.3		1		
SHALEY CLAY: Brown (A-7)	657.6		3	5.0	20
		-15	5	S	
Becomes brown and gray			3		
Observed downstream along stream bed and bank	655.8		12	7.2	15
CLAYEY SHALE: Gray			19		
			19		
			25	8.7	10
			43	S	
			31		
			45	4.5	10
			65	P	
		-20	36		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAYEY SHALE: Gray (continued)			100	4.5	10
				P	
			21		
			100	4.5	10
				P	
End of Boring at 22.2 ft.	649.6				
		-25			
		-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)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

Date 12/12/08

FAP 665 (IL 116) & FAP (136, 137)W&RS-3; 136R;

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

SECTION 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

BORING NO. 43
Station 155+41
Offset 13 ft Rt
Ground Surface Elev. 672.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Not observed ft
Upon Completion Not observed ft
After - Hrs. Backfilled ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Brown silty clay (A-6)					
			2		
No recovery - auger cuttings collected and hand penetrometer test performed on disturbed sample.			2	1.0	21
			2	P	
FILL: Brown clay (A-7) and Brown, grayish brown, and reddish brown silty clay (A-6) mixture	669.3				
			2		
			2	2.0	22
		-5	3	P	
SILTY LOAM: Grayish brown (A-4)	666.0		1		
			2	0.5	29
			2	B	
SILTY CLAY: Brown (possible fill) (A-6)	664.3				
			1		
			2	1.0	30
		-10	3	B	
SILTY CLAY LOAM: Brown (A-7)	661.8				
			1		
			1	0.5	23
CLAY: Gray and brown (A-7)	660.3		2	B	
SHALEY CLAY: Gray and brown (A-7)	659.3				
			2		
			4	2.6	16
		-15	12	B	
CLAYEY SHALE: Gray	656.8				
			7		
			12	10.5	13
			19	S	
			10		
			28	4.5	11
		-20	43	P	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAYEY SHALE: Gray (continued)					
			20		
			50	4.5	10
			50/3"	P	
			31		
			50/5"	4.5	11
	647.7		50/2"	P	
End of Boring at 24.6 ft.		-25			
		-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)

FILE NAME = miscsheets.dgn	USER NAME = ghidinsam	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(136,137)W&RS-3;136R;109BR-2	HENDERSON		161

CONTRACT NO. 88773

ILLINOIS FED. AID PROJECT