



Illinois Department of Transportation

Division of Highways  
SCI Engineering

SOIL BORING LOG

Date 02/17/10

ROUTE FAI 270 / IL Rte 3 DESCRIPTION Overhead Sign Foundation LOGGED BY SCI/BCR

SECTION 60-2RS-3 LOCATION Granite City, S1/2, SEC. 29, TWP. 4N, RNG. 9W

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

STRUCT. NO. Ex. 8S0605003R008.6	DEPT	BLOW	UCS	M O I S T	Surface Water Elev. _____ ft	DEPT	BLOW	UCS	M O I S T
Station 1370+15	H	S	Qu	T	Stream Bed Elev. _____ ft	H	S	Qu	T
BORING NO. B-SP13					Groundwater Elev.:				
Station 1370+24					First Encounter 403.3 ft ▼				
Offset 5.0 ft L					Upon Completion _____ ft				
Ground Surface Elev. 415.3 ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	(ft)	(/6")	(tsf)	(%)

FILL: Brown, silt, trace rock (A-4)					CLAY: Gray (A-7) (continued)	394.8			
	2			21	SAND: Gray, fine (A-3)		7		
Last N-value of SPT test not performed - concrete obstruction. Boring drilled directly east of storm sewer.	14	0.8					10		
	-	P					8		
FILL: Brown and gray, clay (A-7)									
	1						1		
	2	1.6		33			4		
	3	B					8		
	-5								
CLAY: Gray and brown (A-7)									
	1						7		
	1	1.0		46			11		
	2	B					17		
SILT: Brown and gray (A-4)									
	1						3		
	1	<0.25		30			5		
	2	P					14		
	-10								
Becomes gray									
	1						1		
	1	<0.25		39			1		
	1	0.3		30			4		
	3	P							
	-15								
SAND: Gray, fine (A-3)									
	1								
	1	0.4		64					
	1	B							
CLAY: Gray (A-7)									
	1								
SAND: Gray, fine (A-2)									
	1			56			5		
	1	0.4					16		
	4	B					24		
	-20								

Boring terminated at 40.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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SECTION 60-2RS-3 LOCATION Granite City, S1/2, SEC. 29, TWP. 4N, RNG. 9W

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

STRUCT. NO. Ex. 8C061270R002.7	DEPT	BLOW	UCS	M O I S T	Surface Water Elev. _____ ft	DEPT	BLOW	UCS	M O I S T
Station 235+25	H	S	Qu	T	Stream Bed Elev. _____ ft	H	S	Qu	T
BORING NO. B-SP14					Groundwater Elev.:				
Station 235+55					First Encounter 403.0 ft ▼				
Offset 70.0 ft R					Upon Completion Not observed ft				
Ground Surface Elev. 435.0 ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	(ft)	(/6")	(tsf)	(%)

FILL: Dark brown, sandy silt, some rock (A-4)					FILL: Gray, sandy silt (A-4)	414.5			
Becomes brown, no rock							4		
	1			18			11	1.0	
	3	1.0					12	S/10	
	3	P							
					Some clay	412.0			
					CLAY: Gray, some sand (A-7)		2		
FILL: Brown, silty clay (A-6)							4	1.0	31
	2	1.0					5	B	
	3	B							
	-5								
FILL: Brown, sandy silt (A-4)					No sand		1		
							2	1.4	31
	4						4	B	
	5	1.1							
	6	S/10							
	-10								
FILL: Brown and gray, clay (A-7)							2		
	1						3	1.4	49
	3	1.2					3	S/15	
	3	S/15							
	-10								
	1				SAND: Brown, fine, some silt (A-2)	404.0			
	3	1.3							
	3	S/15							
Becomes gray and brown							2		
	1						2		
	3	1.4					6		
	5	S/15							
	-15								
	2								
	4	2.1							
	6	B			SAND: Brown, fine (A-3)	398.0			
FILL: Gray, silty sand (A-2)									
	4						1		
	8						6		
	6						9		
	-20								

Boring terminated at 40.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

LAST SAVED = 3/16/2010  
PEN TABLE = V8.tbl  
PLOT DRIVER = TR: Xerox6294-To-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
1:\0906620\0906620\cad\plans\085_087\087-Sht-OSS-BLog.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0023 / IN.		CHECKED -	REVISED -
PLOT DATE = 3/16/2010 11:42:05 PM		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



SIGN STRUCTURE PLANS  
BORING LOGS

SCALE: NONE	SHEET NO. 6 OF 6 SHEETS	STA. TO STA.	F.A.I. RTE: 270	SECTION: 60-2RS-3	COUNTY: MADISON	TOTAL SHEETS: 231	SHEET NO.: 141
						CONTRACT NO. 76D87	
ILLINOIS FED. AID PROJECT							