



Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 01/15/10

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 75 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 (%)	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T (%)
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BORING NO. <u>B-SP8</u> Station <u>31272+42</u> Offset <u>34.0 ft L</u> Ground Surface Elev. <u>423.5</u> ft					CRUSHED ROCK - 12 inches ----- 422.5				
	FILL: Brown, clay (A-7)	2 3	1.9 B	37	----- 402.3	2 1 2			
					Groundwater Elev.: First Encounter <u>405.5</u> ft ∇ Upon Completion _____ ft After _____ Hrs. _____ ft				
					SANDY SILT: Brown and gray (A-4) (continued) ----- 400.5				
					SAND: Brown, fine sand (A-3) Hydrometer and sieve analysis conducted on sample from 21.25 to 22.5 feet Some clay				
					SANDY SILT: Gray (A-4) ----- 398.0	1 2 3		0.5 P	31
					SAND: Gray, fine (A-3) ----- 409.8	8 10 10			
					CLAY: Gray (A-7) ----- 413.0	4 8 8			
					Brown				
					Gray and brown				
					----- 406.0	10 8 7			
					SILTY SAND: Brown (A-2) Atterberg Limits (18.5-20.0 ft): Liquid Limit = 29, Plastic Limit = 28, Plasticity Index = 1				
					----- 404.8				
					----- 383.5	4 7 8			

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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BORING NO. <u>B-SP9</u> Station <u>31272+40</u> Offset <u>0.0 ft R</u> Ground Surface Elev. <u>417.8</u> ft					FILL: Gray, clay, some sand, some rock (A-7) ----- 416.8				
	FILL: Brown, sandy silt (A-4)	4 5	3.1 B	22	----- 416.0				
					FILL: Gray and brown, clay (A-7) ----- 396.0				
					CLAYEY SILT: Gray, some sand (A-4) ----- 394.8				
					SAND: Brown, fine (A-3) ----- 392.3	1 3 4		1.9 B	30
					SAND: Gray, fine, some silt (A-2) ----- 409.8	1 3 4		2.3 B	32
					Brown				
					Gray				
					Brown				
					Some clayey silt				
					----- 402.3	2 3 4		2.1 B	34
					SAND: Brown, fine (A-3) ----- 401.3				
					CLAYEY SILT: Brown and gray, some sand (A-4) Hydrometer and sieve analysis conducted on sample from 16.5 to 17.5 feet				
					----- 399.8				
					SAND: Brown, fine (A-3) ----- 380.8	1 1 1		<0.25 P	28
					SAND: Gray, fine to medium, trace coarse sand (A-3) ----- 383.5				
					----- 383.5	4 8 12			

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LAST SAVED = 3/16/2010 11:42:01 PM
PEN TABLE = V8.tbl
PLOT DRIVER = TR-Xe-6204-To-File.plt

FILE NAME = \\29266001\9056201\cad\t\plans\085_087\087-Sht-OSS-BLog.dgn	USER NAME = sdonahue	DESIGNED -	REVISED -
PLOT SCALE = 50.0023' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/16/2010 11:42:01 PM	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**SIGN STRUCTURE PLANS
BORING LOGS**

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 137
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	