Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Page 1 of 1

Date 01/15/10

ROUTE FAI 270 / IL Rte 3 DESCRIPTION Mast Arm 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 _____

BORING NO. B-SP3
Station 1352+45
Offset 50.0 ft L
Ground Surface Elev. 418.1 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 410.1 ft ▼
Upon Completion _____ - ft
After - Hrs. _____ - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT - 12 inches				
417.1				
FILL: Gray, silty clay (A-7)		3		
		3	1.8	33
Hydrometer and sieve analysis conducted on sample from 1 to 2.5 feet		6	B	
415.1				
CLAY: Gray (A-7)		3		
		5	2.3	26
	-5	7	B	
412.6				
SILTY CLAY: Brown, trace sand (A-6)		2		
		2	0.6	32
		3	B	
410.1 ▼				
SAND: Brown, fine, some silt (A-2)		2		
		1		
	-10	2		
407.6				
SILT: Brown, some sand (A-4)		WH		
Hydrometer and sieve analysis conducted on sample from 11 to 12.5 feet		WH	<0.25	34
		1	P	
405.1				
CLAY: Gray and brown (A-7)		WH		
403.9		3	<0.25	35
SAND: Brown, fine (A-3)	-15	5	P	
		3		
		6		
		5		
		3		
		5		
398.1	-20	11		

Boring terminated at 20.0 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 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-SP4
Station 1353+03
Offset 75.0 ft R
Ground Surface Elev. 414.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 406.5 ft ▼
Upon Completion _____ - ft
After - Hrs. _____ - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Brown (A-7)		1		
		3	1.3	32
		3	P	
		1		
		3	1.7	39
	-5	4	S/15	
409.0				
SILTY CLAY: Brown and gray (A-6)		WH		
		2	<0.25	35
		2	P	
406.5 ▼				
SAND: Brown, fine (A-3)		1		
		4		
	-10	3		
		1		
Some silt		3		
		5		
Fine to medium		WH		
Hydrometer and sieve analysis conducted on sample from 13.5 to 15 feet		1		
	-15	1		
		2		
		4		
		7		
		2		
		4		
394.5	-20	4		

Boring terminated at 20.0 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-Xerox6204-To-File.plt

FILE NAME = u:\0906800\0906601\Cad\T_Plans\061_D876D87-Sht-TS-BLog.dgn	USER NAME = sdonahue	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0023 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2010 11:41:55 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC. ENGINEERS

TRAFFIC SIGNAL DETAILS
IL 3 AT PROPOSED RAMP P5LT
MAST ARM BORING LOGS

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	78
		CONTRACT NO. 76D87		
	ILLINOIS FED. AID PROJECT			