SCI Engineering, Inc.
650 Pierce Boulevard
O'Fallon, Illinois 62269

SOIL BORING LOG

SCI No. 2004-3089.51
Page 1 of 1
Date 10/08/12

ROUTE FAP 312 **DESCRIPTION** Waterloo Bypass - Noise Wall Boring **LOGGED BY** SCI (JAS)

SECTION 68-WRS-1 **LOCATION** SW 1/4 of the SE 1/4, **SEC.** 25, **TWP.** 2S, **RNG.** 10W

COUNTY Monroe **DRILLING METHOD** CME 55 w/HSA **HAMMER TYPE** Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-215
Station 2036+60
Offset 53 ft RT
Ground Surface Elev. 636.1 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter NONE ft
Upon Completion NONE ft
After -- **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Dark brown, silty clay, trace crushed rock and asphalt [A-6]	635.6				
CLAY: Brown and gray, trace fine sand, roots, and iron nodules [A-7]			1 3 3	2.1 S/20	26
SILTY CLAY: Brown and gray, trace fine sand and iron nodules [A-4]	633.1				
		-5	2 2 4	1.0 S/15	25
			2 4 5	1.6 S/15	22
	626.1	-10	1 3 3	1.9 S/20	24
Boring terminated at 10.0 ft.		-15			
		-20			

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 68-WRS-1 **LOCATION** SW 1/4 of the SE 1/4, **SEC.** 25, **TWP.** 2S, **RNG.** 10W

COUNTY Monroe **DRILLING METHOD** CME 55 w/HSA **HAMMER TYPE** Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-216
Station 2037+31
Offset 46 ft RT
Ground Surface Elev. 636.7 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter NONE ft
Upon Completion NONE ft
After -- **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Dark brown, silty clay, trace crushed rock [A-6]	635.7				
SILTY CLAY: Brown and gray, trace fine sand [A-6]			2 2 4	1.1 S/15	27
SILT: Brown and gray, with fine sand [A-4]	633.7				
		-5	2 3 5	1.7 S/10	20
SILTY CLAY: Brown, trace fine sand, roots, iron stains, and sandstone fragments [A-6]	631.2		3 3 4	1.3 S/15	19
CLAY: Reddish brown and gray, trace sand, gravel, and shale fragments [A-7]	628.7	-10	3 4 6	2.6 S/15	26
			3 4 6	2.0 S/10	39
	621.7	-15	1 2 1	0.5 B	41
Boring terminated at 15.0 ft.		-20			

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 = 1/23/2013
PEN TABLE = VB:Half.tbl
PLOT DRIVER = pdfNOLAYERSbw.pltcfg

FILE NAME = I:\1001100_Phase II - 76817\Cad\S_Plans\Noisewall-76817.dgn	USER NAME = elagemann	DESIGNED E.M. Lagemann	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN E.M. Lagemann	REVISED -	
	PLOT SCALE = 0:2.0000 ':' / in.	CHECKED K.L. Hayes	REVISED -	
	PLOT DATE = 1/23/2013 12:01:27 PM	DATE 12/14/12	REVISED -	

HORNER & SHIFRIN, INC. ENGINEERS

BORING LOGS
NOISEWALL

SCALE: | SHEET NO. 7 OF 10 SHEETS | STA. 2032+00.00 TO STA. 2041+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68-WRS-1	MONROE	760	459

CONTRACT NO. 76817
ILLINOIS FED. AID PROJECT