Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 042409

ROUTE FAI 70 (I-70) DESCRIPTION Sign Truss Boring – Ramp 3 @ Sta. 2+65.30'R, Approx. 45 feet SW of existing sign on structure. LOGGED BY SCI

SECTION 60-(5,6,7)RS, 60-(6,7)BR LOCATION Collinsville; NE 1/4, SEC. 29, TWP. 3N, RNG. 8W

COUNTY Madison DRILLING METHOD CME 45HSA HAMMER TYPE Automatic

STRUCT. NO. 8S0601055L011.2 (existing)
Station 511+03

BORING NO. B-1
Station 510+58
Offset 95 ft Lt
Ground Surface Elev. 95.4 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

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

DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
FILL: Brown, low plastic sandy silt (A-4)				FILL: Grayish brown, low plastic silt (A-4) (continued) 74.9			
	3				2		
	3	1.3	18	SILTY CLAY: Brown, low plastic, some sand (A-6)	4	1.9	23
92.4	3	B			6	B	
FILL: Brown and gray, low plastic silt (A-4)				SILT: Reddish brown, low plastic (A-4) 72.4			
	6				1		
	9	2.4	19		2	0.7	14
-5	10	S/10		-25	2	S/10	
	5				2		
	8	1.6	16		3	1.3	11
	9	S/5			2	P	
	5				1		
	12	4.7	15	With brown, low plastic silty clay deposit from about 29 to 29.5 feet.	3	1.0	20
-10	19	S/10		-30	3	S/5	
Becomes reddish brown	5						
	9	1.8	21				
	11	S/15					
Becomes grayish brown and brown	5			Becomes clayey	2		
	12	2.0	17		2	1.0	25
-15	17	S/10		-35	4	S/15	
Becomes brown and gray	11						
78.4	17	4.5	16				
FILL: Dark brown, low plastic sandy clay (A-6)	14	P					
	15			Temporary benchmark (TBM) – chiseled square on SE pier of existing sign truss. Assumed TBM at El. 100.0.	1		
76.4	21	4.5	13		3	0.7	25
-20	14	P		55.4 -40	4	S/15	

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. BRS form 137 (Rev. 8-99)

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SOIL BORING LOG

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Date 042409

ROUTE FAI 70 (I-70) DESCRIPTION Sign Truss Boring – Approx. 79 feet SW of existing sign on structure. LOGGED BY SCI

SECTION 60-(5,6,7)RS, 60-(6,7)BR LOCATION Collinsville; NE 1/4, SEC. 29, TWP. 3N, RNG. 8W

COUNTY Madison DRILLING METHOD CME 45HSA HAMMER TYPE Automatic

STRUCT. NO. 8S0601055L011.4 (existing)
Station 537+45

BORING NO. B-2
Station 536+70
Offset 55 ft Lt
Ground Surface Elev. 102.1 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 81.1 ft ▼
Upon Completion Collapse 20 ft
After – Hrs. – ft

DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
FILL: Brown, low plastic silt, some gravel (A-4)				SILT: Grayish brown, low plastic (A-4) (continued)			
	6			SPT sampler and sample wet	1		
100.1	8	4.5	15		2	0.3	29
FILL: Brown, low plastic silt (A-4)	4	P			2	P	
	3				2		
	4	0.9	20		3	0.5	26
-5	5	S/10		-25	3	P	
96.6							
FILL: Grayish brown and brown, low plastic sandy silt (A-4) and Brown, low plastic sandy clay (A-6) mixture	3			Becomes dark brown	1		
	6	1.5	15		2	0.5	30
	7	S/10			2	B	
	4			Becomes grayish brown	1		
92.6	9	3.0	15		1	0.6	33
FILL: Brown, sand, fine to medium, trace to some silt, clay (A-2) 91.6	12	S/10		-30	2	B	
FILL: Reddish brown, low plastic sandy clay	2						
90.4	2	2.6	11				
(A-6)	1	S/5		70.1			
FILL: Brown, low plastic silt, some sand 89.1				SILTY CLAY: Grayish brown, low plastic with gray, high plastic clay deposit from about 34 to 34.5 feet. (A-6)			
(A-4)							
SILT: Grayish brown, low plastic (A-4)	2				1		
	3	0.5	30		2	0.5	31
-15	3	B		-35	2	P	
Becomes brown and gray and clayey	2						
	1	<0.25	28	65.1			
Sample wet	2	P		CLAYEY SILT: Grayish brown, low plastic (A-4)			
				Temporary benchmark (TBM) – chiseled square on SE pier of existing sign truss. Assumed TBM at El. 100.0.	1		
Sample wet	1				2	0.3	29
	1	0.3	28		2	P	
-20	3	P		62.1 -40			

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. BRS form 137 (Rev. 8-99)

FILE NAME = c:\pw_work\PWIDOT\KEPLARCL\d0133015\d07c56-sht-blog.dgn	USER NAME = keplarcl	DESIGNED - ___	REVISED - ___	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS**
		DRAWN - ___	REVISED - ___		
	PLOT SCALE = 1.2000 ' / IN.	CHECKED - ___	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____
	PLOT DATE = 10/13/2009	DATE - _____	REVISED - ___		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	Madison	185	165
		CONTRACT NO. 76C56		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		