



# SOIL BORING LOG

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Date 9/8/10

ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 Ramp J over Ramp A LOGGED BY KEG

SECTION (X1-6-2)HB-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E

COUNTY Williamson DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 100-0098  
 Station \_\_\_\_\_  
 BORING NO. B-8  
 Station 9+23.76  
 Offset 4.6 ft Lt  
 Ground Surface Elev. 456.57 ft

DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)
455.6				Grass cover and topsoil				
453.6	7			FILL: Brown, silty clay (A-6)	7			
	6	4.5	20		11	3.9	16	
	5	P			15	S		
451.1				SILTY CLAY: Brown (A-6)				
	3				50/4"	-	7	
	3	0.9	21		50/2"			
	4	B						
438.6				CLAY: Brown and gray, some sand, trace coal (A-7)				
	3				50/5"			
	4	1.9	20		50/3"	-	6	
	5	B						
426.1				Becomes brown, no organics				
	3				41			
	4	2.0	20		50/5"	-	8	
	5	B						
423.6				Becomes brown and gray				
	2				40			
	3	1.1	19		44	-	9	
	3	S			50/5"			
422.8				Trace gravel				
	3				50/3"	-	11	
	4	2.2	19		50/0.5"			
	6	B						
441.1				SANDY CLAY: Brown, trace coal (A-6)				
	2							
	4	1.9	17					
	5	B						
438.6				CLAY: Brown and gray, some sand, trace coal (A-7)				
	2							
	3	2.1	18					
	6	B						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



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SECTION (X1-6-2)HB-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E

COUNTY Williamson DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 100-0098  
 Station \_\_\_\_\_  
 BORING NO. B-9  
 Station 10+27.53  
 Offset 4.2 ft Lt  
 Ground Surface Elev. 459.59 ft

DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)
458.6				Grass cover and topsoil				
456.8				FILL: Brown, silty clay (A-6)				
	8				3			
	8	4.5	12		8	3.1	17	
	7	P			5	B		
456.8				SANDY CLAY: Brown (A-6)				
	5				8			
	5	3.4	17		7	3.1	18	
	6	S			14	B		
451.6				Becomes brown and gray, trace coal				
	3				21			
	2	-	20		50/3"	-	16	
	3				50/2"			
444.1				CLAY: Brown, some sand (A-7)				
	5							
	5	1.6	16					
	7	B						
425.3				Becomes brown and gray, trace coal				
	3				40			
	4	2.2	18		50/3"	-	15	
	5	B						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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**EFK Moen, LLC**  
 Civil Engineering Design  
 331 Salem Place, Suite 225  
 Fairview Heights, IL 62208  
 Phone 618-206-4250

FILE NAME = 1000098-78182-031-Soil.Boring.Logs.dgn	USER NAME = je	DESIGNED - CTW	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS  
 STRUCTURE NO. 100-0098

SHEET NO. 31 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HB-2	WILLIAMSON	968	714
CONTRACT NO. 78182				

ILLINOIS FED. AID PROJECT