

BORING LOG SB-9 (Page 1)

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Kaskaskia
Engineering Group, LLC

SOIL BORING LOG

Date 6/10/10

ROUTE FAP 103 DESCRIPTION L 15 Bridge over I. 13 (Old Freeburg Rd) & ICG Railroad LOGGED BY KEG

SECTION 27-1-VHB-1 LOCATION Belleville, Illinois

COUNTY St. Clair DRILLING METHOD CME 550 w/HSA & Mud Rotary HAMMER TYPE Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	ft	D	B	U	M	
082-0051/0052	710+78	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O	
BORING NO.	Station	P	L	S	I	Groundwater Elev.:	ft	P	L	S	I	
SB-9	710+78	T	O	Q	T	First Encounter	ft	T	O	Q	T	
Offset	Ground Surface Elev.	H	S	Qu	T	Upon Completion	ft	H	S	Qu	T	
13.0 ft LL	468.76	(ft)	(/ft)	(tsf)	(%)	After	ft	(ft)	(/ft)	(tsf)	(%)	
TOPSOIL - 12 inches						468.76						
FILL: Brown, clayey silt, trace crushed rock (A-4)						457.5	2					
							3			1.0	21	
							2			6	B	
FILL: Brown, silty clay (A-7)						455.8						
							1			5		
							2	0.8	26	8	0.8	21
							4			7	B	
SILTY CLAY: Brown and gray (A-6)						453.3						
							2			3		
							2	1.2	29	7		
							3			9		
Becomes gray and brown						440.8						
							1			2		
							1	0.3	28	3	2.2	23
							2			6	B	
Becomes brown												
							2					
							2	1.2	26			
							3					
SILTY CLAY: Brown (A-7)						455.8						
							2			3		
							3	0.7	25	6	2.8	22
							3			7	B	
Becomes greenish gray												
							3					
							4	0.7	24			
							5					
SILTY CLAY: Brown and grayish brown (A-6)						450.8						
							2			3		
							3	0.3	23	5	1.8	22
							4			11	B	

The Unclassified 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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SB-9	710+78	T	O	Q	T	First Encounter	ft	T	O	Q	T	
Offset	Ground Surface Elev.	H	S	Qu	T	Upon Completion	ft	H	S	Qu	T	
13.0 ft LL	468.76	(ft)	(/ft)	(tsf)	(%)	After	ft	(ft)	(/ft)	(tsf)	(%)	
SILTY CLAY: Brown (A-7) (continued)						427.0						
							6			3		
							8	2.7	26	3	0.8	25
							11			3	B	
SILT: Brown (A-4)												
Becomes dark brown and clayey												
							5			1		
							7	2.3	24	2	0.7	24
							9			3	B	
Becomes greenish gray												
SANDY CLAY: Brown, trace gravel (A-6)						397.8						
CLAY: Gray, some sand (A-7)						416.8						
							4			2		
							6	2.2	21	4	1.5	25
							8			23	P	
SILTY SAND: Grayish brown and dark brown, fine, trace to some organics, trace gravel (A-2)						412.0						
							4					
							11	0.1	24			
							14					
WEATHERED LIMESTONE: Gray (End of Boring)						389.8						
										50/11	24	

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BBS, form 137 (Rev. 8-99)

FILE NAME = 082W313_76884_004_Borings_Log1.dgn



USER NAME = Scott Whitney	DESIGNED - PMM	REVISED -
PLOT SCALE = 0:2.0000 ' / IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 10/18/2011	DRAWN - SAW	REVISED -
	CHECKED - PMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1
STRUCTURE NO. 082-W313
SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	244
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				