

BORING LOG SB-9 (Page 2)

**Kaskaskia Engineering Group, LLC**

**SOIL BORING LOG** Page 2 of 2

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

DEPTHS	SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED CLASSIFICATION
427.0	SILTY CLAY: Brown (A-7) (continued)						
427.0	SILT: Brown (A-4)						
6		3	0.8	25			
8		2.7					
11		3	0.8	25			
416.8	CLAY: Gray, some sand (A-7)						
4		2.2	21				
8		3	1.5	25			
412.0	SILTY SAND: Grayish brown and dark brown, fine, trace to some organics, trace gravel (A-2)						
4		0.1	24				
11		14					
399.8	WEATHERED LIMESTONE: Gray						
50/11	End of Boring						

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)

BORING LOG SB-10 (Page 1)

**Kaskaskia Engineering Group, LLC**

**SOIL BORING LOG** Page 1 of 2

Date 5/19/11

ROUTE FAP 103 DESCRIPTION L 15 over I. 13 (Freeburg Avenue) and CN-IC RR LOGGED BY KEG

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

COUNTY St. Clair DRILLING METHOD CME 55 w/HSA HAMMER TYPE Automatic

DEPTHS	SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED CLASSIFICATION
454.5	TOPSOIL -2 inches						
3	SILT: Brown, with coal seam, trace organics (A-4)						
6		3	1.9	22			
452.3	CLAYEY SILT: Brown (A-4)						
4		1.8	21				
5		3	1.9	25			
459.8	CLAY: Brown and reddish brown, trace organics (A-7)						
1		1.4	28				
3		3	1.4	21			
457.3	SILTY CLAY: Gray, with iron stains and nodules, trace roots (A-6)						
1		1.0	28				
454.8	CLAY: Reddish brown (A-7)						
1		1.3	26				
2		1.3	25				
452.0	SILTY CLAY: Brown (A-6)						
1		1.7	24				
3		4					
429.8	SILTY CLAY: Gray (A-6)						
1		1.3	23				
444.8	End of Boring						

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ROUTE FAP 103 DESCRIPTION L 15 over I. 13 (Freeburg Avenue) and CN-IC RR LOGGED BY KEG

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

COUNTY St. Clair DRILLING METHOD CME 55 w/HSA HAMMER TYPE Automatic

DEPTHS	SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED CLASSIFICATION
439.8	CLAY: Gray (A-7)						
2		2.2	32				
3		4	1.2	25			
419.3	SILTY CLAY: Gray, trace fine sand (A-6)						
1		1.9	21				
414.8	SILTY SAND: Dark gray (A-3)						
4		3	23				
10		3	23				
10		5					
399.8	WEATHERED LIMESTONE						
387.8	End of Boring						

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)

FILE NAME = 082W312\_76884\_005\_Borings\_logs2.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 2  
STRUCTURE NO. 082-W312**

SHEET NO. 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	238
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				