

BORING LOG SB-2 (Page 2)

Kaskaskia Engineering Group, LLC Page 2 of 2
SOIL BORING LOG Date 8/15/10
 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

DEPTH (ft)	LOG	DEPTH (ft)	LOG
Surface Water Elev. _____ ft		Surface Water Elev. _____ ft	
Stream Bed Elev. _____ ft		Stream Bed Elev. _____ ft	
Groundwater Elev.: _____ ft		Groundwater Elev.: _____ ft	
First Encounter _____ ft		First Encounter _____ ft	
Upon Completion _____ ft		Upon Completion _____ ft	
After _____ Hrs.		After _____ Hrs.	
Ground Surface Elev. 464.97 ft (ft) (ft) (tsf) (%)		Ground Surface Elev. _____ ft (ft) (ft) (tsf) (%)	
CLAY: Gray, trace sand (A-7) (continued)		CLAY: Gray, trace sand (A-7) (continued)	
Becomes greenish gray and bluish gray	4 6 2.5 21 7 B	Trace to some sand and trace gravel	7 9 2.0 21 12 B
Becomes grayish brown, trace to some sand, trace organics and gravel	3 4 1.5 23 5 B	Becomes tan, some sand, trace shale fragments	399.1 399.0
LIVESTONE	399.1 399.0	LIVESTONE	399.1 399.0
End of Boring		End of Boring	
Becomes grayish brown, no sand and gravel	1 2 0.7 23 4 B	Becomes greenish gray	3 4 0.7 23 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)

BORING LOG SB-3 (Page 1)

Kaskaskia Engineering Group, LLC Page 1 of 2
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 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

DEPTH (ft)	LOG	DEPTH (ft)	LOG
Surface Water Elev. _____ ft		Surface Water Elev. _____ ft	
Stream Bed Elev. _____ ft		Stream Bed Elev. _____ ft	
Groundwater Elev.: _____ ft		Groundwater Elev.: _____ ft	
First Encounter _____ ft		First Encounter _____ ft	
Upon Completion _____ ft		Upon Completion _____ ft	
After _____ Hrs.		After _____ Hrs.	
Ground Surface Elev. 467.57 ft (ft) (ft) (tsf) (%)		Ground Surface Elev. _____ ft (ft) (ft) (tsf) (%)	
NO RECOVERY	3 2 3	SILTY CLAY: Gray, trace sand (A-7) (continued)	1 2 0.8 22 3 B
FILL: Brown, silty clay, trace cinders (A-7)	2 1 1.0 25 1 P	SANDY CLAY: Gray (A-6)	2 3 0.8 22 4 B
No cinders	1 2 0.4 27 1 B	CLAY: Brown (A-7)	WH WH 0.9 22 3 B
FILL: Brown, silty clay, trace crushed rock (A-6)	1 1 - 28 1	Becomes greenish gray and bluish gray, trace to some sand	2 3 1.1 22 6 B
Mud rotary drilling started at approximately 30 feet.	WH WH - 26 1	Becomes gray and brown, no sand	3 3 1.0 24 5 B
SILTY CLAY: Gray and brown (A-6)	2 2 1.4 25 2 B	CLAY: Bluish gray (A-7)	3 4 1.0 23 4 B
CLAYEY SILT: Grayish brown (A-4)	2 2 1.4 26 2 B		
SILTY CLAY: Gray, trace sand (A-7)	2 2 1.4 25 3 B		

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Surface Water Elev. _____ ft		Surface Water Elev. _____ ft	
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Groundwater Elev.: _____ ft		Groundwater Elev.: _____ ft	
First Encounter _____ ft		First Encounter _____ ft	
Upon Completion _____ ft		Upon Completion _____ ft	
After _____ Hrs.		After _____ Hrs.	
Ground Surface Elev. 467.57 ft (ft) (ft) (tsf) (%)		Ground Surface Elev. _____ ft (ft) (ft) (tsf) (%)	
CLAY: Brown (A-7) (continued)		CLAY: Bluish gray (A-7) (continued)	
SANDY CLAY: Dark gray, trace gravel (A-6)	11 7 1.8 18 8 B		3 4 1.1 25 3 B
CLAY: Brown, some sand, trace gravel (A-7)	3 4 1.1 21 6 B	Becomes gray and greenish gray	50.2 - 23
SANDY CLAY: Gray, some organics (A-6)	1 2 0.6 53 2 B	LIVESTONE	397.6 397.2 397.1
CLAY: Bluish gray (A-7)	3 4 0.5 24 3 B	End of Boring	

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FILE NAME = 082W311_76884_005_BoringLog2.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-W311

SHEET NO. 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	233
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				