Kaskaskia Engineering Group, LLC

SOIL BORING LOG

Page 3 of 3

Date 5/17/11

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

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

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

STRUCT. NO. 082-0051/0052
Station

BORING NO. SB-13
Station 703+42.56
Offset 0.3 ft RT
Ground Surface Elev. 492.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 439.1 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Gray and brown (A-7) *(continued)* Becomes brown, trace gravel				
	407.6	9		
		14		30
CLAYEY SHALE	-85	14		
	405.1			
End of Boring		21		
		41		20
		50/1		
	-90			
	-95			
	-100			

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)

Kaskaskia Engineering Group, LLC

SOIL BORING LOG

Page 1 of 1

Date 5/16/11

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

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

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

STRUCT. NO. 082-0051/0052
Station

BORING NO. SB-14
Station 700+04.74
Offset 47.7 ft LT
Ground Surface Elev. 487.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT - 8 inches	487.1			
SILTY CLAY: Gray (A-6)		3		
		3	1.7	21
	485.2	5	S	
SILTY CLAY: Gray (A-6 (17))		4		
	482.7	4	3.3	19
	-5	5	S	
CLAY: Bluish gray (A-7)		2		
		4	2.1	21
	480.2	7	S	
SILTY CLAY: Dark gray (A-6)		3		
		3	3.3	21
	477.7	5	S	
End of Boring	-10			
	-15			
	-20			

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)

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Date 5/16/11

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

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

STRUCT. NO. 082-0051/0052
Station

BORING NO. SB-15
Station 678+61.43
Offset 0.6 ft LT
Ground Surface Elev. 469.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILT: Brown (A-4)		2		
		6	4.5	17
	466.9	7	S	
SILTY CLAY: Dark gray (A-6)		3		
		3	3.0	23
	464.4	5	S	
SILTY CLAY: Gray (A-6 (15))	-5	4		
		5	1.1	22
	461.9	4	S	
CLAY: Dark gray (A-7)		2		
		2	1.0	26
	459.4	2	S	
End of Boring	-10			
	-15			
	-20			

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 = 082017-0118-76884-061-Boring Logs.dgn

STV

USER NAME = brazzara	DESIGNED - RAB	REVISED - ---
	CHECKED - JAN	REVISED - ---
PLOT SCALE = 2±0.0000 '±' / IN.	DRAWN - RAB	REVISED - ---
PLOT DATE = 10/19/2011	CHECKED - JAN	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 082-0117 (E.B.) & 082-0118 (W.B.)
SHEET NO. S-61 OF S-62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	176
		CONTRACT NO. 76884		
	ILLINOIS FED. AID PROJECT			