



SOIL BORING LOG

Page 1 of 2
Date 5/18/11

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-11
Station 709+76.68
Offset 59.1 ft RT
Ground Surface Elev. 465.03 ft

DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)
8	14		10	FILL: Crushed rock and asphalt millings, trace clay	1	2		20
24					4			
3	3			No recovery FILL: Rock, with gray silt	6	11	4.4	21
3	3				13	S		
1	2	1.2	29	Top 1 inch - crushed rock fill CLAY: Gray and brown (A-7)	3	5	1.6	22
3	3	S			5	S		
6	5			CLAYEY SILT: Gray (A-4)	6	5	1.8	20
10					6	S		
2	2	0.4	26	Becomes brown	5	7	2.2	18
2	2	S			9	S		
1	2	0.9	24	SILT CLAY: Brown (A-6)	4	3	0.9	24
3	3	S			4	S		
1	2	1.2	22	Becomes brown and gray	3	5	2.8	22
2	2	S			8	S		

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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BORING NO. SB-11
Station 709+76.68
Offset 59.1 ft RT
Ground Surface Elev. 465.03 ft

DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)
1	2			SILT: Dark gray (A-4)	4	4		
2	4				6	S		
6	11	4.4	21	SILT CLAY: Dark brown and gray (A-6) (continued)	4	4		
13	S				6	S		
4	5			CLAY: Greenish gray (A-7)	4	4		
5	5				6	S		
4	4			With weathered limestone	4	4		
5	5				6	S		
4	3	0.9	24	SILT CLAY: Dark brown and gray (A-6)	4	4		
3	3	S			6	S		
4	3			End of Boring	44	50/5*		19
4	3				19			

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

STRUCT. NO. 082-0051/0052
Station _____
BORING NO. SB-12
Station 708+77.39
Offset 1.6 ft LT
Ground Surface Elev. 465.95 ft

DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)
8	9			TOPSOIL - 4 inches	1	2		
13	7				2	1		
5	5			FILL: Crushed rock and millings, trace clay	1	1		
7	7				1	1		
5	5			FILL: Dark gray silt, trace crushed rock (A-4)	2	1		
7	7				1	1		
4	4			FILL: Gray clayey silt, trace organics (A-4)	1	1		
5	5				2	2		
4	4			SILT CLAY: Gray (A-6)	1	1		
6	6				2	2		
1	1			SANDY CLAY: Gray (A-6)	1	1		
2	2				2	2		
1	1			Trace gravel	1	1		
2	2				2	2		
1	1			SILT: Dark brown, with fine sand (A-4)	1	1		
3	3				3	3		
1	1			Trace iron stains and fine sand	1	1		
2	2				2	2		

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BBS, form 137 (Rev. 8-99)

FILE NAME = 0820119-0120-76884-048-Bor-nlg-log.dgn



USER NAME = brazzera	DESIGNED - MJK	REVISED - -
PLOT SCALE = 2:0.0000 '1' / IN.	CHECKED - JAN	REVISED - -
PLOT DATE = 10/19/2011	DRAWN - MJK	REVISED - -
	CHECKED - JAN	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 082-0119 (E.B.) & 082-0120 (W.B.)

SHEET NO. 5-48 OF 5-51 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	225
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				