

BORING LOG SB-12 (Page 1)

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Date 5/18/11

SOIL BORING LOG

ROUTE FAP 103 DESCRIPTION L 15 over L 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

STRUCT. NO. 082-0051/0052
Station _____

BORING NO. SB-12
Station 708+77.39
Offset 1.6 LLT
Ground Surface Elev. 465.95 ft

DEPTH (ft)	DESCRIPTION	BLU (ft)	UCS (tsf)	MOISTURE (%)
0-4	TOPSOIL - 4 inches FILL: Crushed rock and millings, trace clay	8	---	13
4-7	FILL: Dark gray silt, trace crushed rock (A-4)	5	---	22
7-11	FILL: Gray clayey silt, trace organics (A-4)	2	---	33
11-13	SILTY CLAY: Gray (A-6)	1	1.2	25
13-15	Trace gravel	3	---	---
15-17	WOH	2	1.3	25
17-19	Becomes gray and brown, trace fine sand	0.4	---	29
19-21	SILT: Dark brown, with fine sand (A-4)	1	1.3	25
21-24	Trace iron stains and fine sand	1.2	---	24
24-28	WOH	2	---	28

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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DEPTH (ft)	DESCRIPTION	BLU (ft)	UCS (tsf)	MOISTURE (%)
4-5	CLAYEY SILT: Gray, trace fine sand (A-4)	---	---	---
5-7	Trace fine sand	5	---	22
7-11	SILTY CLAY: Gray, trace sand and gravel (A-6)	6	1.4	21
11-13	Becomes greenish gray	1	---	22
13-15	CLAY: Gray, trace pebbles (A-7)	1	---	21
15-17	CLAYEY SHALE	---	---	---
17-19	Bottom 1 inch - limestone pieces	---	---	---
19-21	End of Boring	---	---	---
21-24	WOH	2	---	28
24-28	Becomes dark gray	---	---	---

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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_007_Bor-ncd.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 4
STRUCTURE NO. 082-W312
SHEET NO. 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	240
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				