



Illinois Department
of Transportation
Division of Highways
District 8

SOIL BORING LOG

Page 1 of 2

Date 12/18/12

ROUTE RT 48 DESCRIPTION IL 48 over Bear Creek LOGGED BY M. Tappan

SECTION 4 (I); 136B-1 LOCATION SE 1/4, SEC. 33, TWP. 12N, RNG. 3W, 3 PM

COUNTY Christian Co. DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 011-0514
Station 627+01
BORING NO. 1 S. Abut
Station 625+86
Offset 14.0R LT
Ground Surface Elev. 605.9 ft

Surface Water Elev. 584.0 ft
Stream Bed Elev. 583.0 ft
Groundwater Elev.:
First Encounter 577.9 ft
Upon Completion Washed ft
After Hrs. Plugged ft

DEPTH (ft)	BULGE (in)	U.C.S. (tsf)	M.O.S. (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	U.C.S. (tsf)	M.O.S. (%)
0				Brown Moist SILTY CLAY (Fill)	0	2	B	
1					0			
2	.90	20		Dark Gray Moist SILTY CLAY (continued)	1	.50	33	
3	B			Dark Gray Very Moist SILTY CLAY	2	B		
4					1			
5				Very Dark Gray Moist SILTY CLAY	1	.80	31	
6	.70	18			2	B		
7					0			
8				Olive Brown and Gray Moist SILTY CLAY (Fill)	1	.80	29	
9	.70	13			1	B		
10					0			
11				Olive Gray Moist CLAY LOAM (Fill)	0			
12	2.2	23		Brown and Light Gray Moist SILTY CLAY LOAM to LOAM	2	.80	23	
13	B				2	B		
14					0			
15				Olive Gray Moist SILTY CLAY (Fill)	0			
16	1.6	25		Gray Fine Dirty SAND	2			
17	B				4			
18					0			
19				Light Brown and Gray Moist SILTY CLAY (Fill)	0			
20	1.4	26		Gray Fine SAND to Gray Medium SANDY GRAVEL	4			
21	B				6			
22					0			
23					26			
24				Dark Gray Moist SILTY CLAY	43			12
25	.80	34		Light Blue Gray Moist Fissile Clayey SHALE Washed	57			
26	B				5"			
27					12			
28				Dark Gray Moist Fissile Clayey SHALE	65			10
29	.80	36			40			
30	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator, E-Estimated) Abbreviations W.O.H - Sampler Advanced by Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SOI\SIGNET\FILES\CHRISTIAN\011-0514\BEAR CREEK\DRILLING\DATA\TEMP\1.DAT Date Printed: 3/13/13
Latitude: 36.263871N Longitude: 89.255489W Datum: NAD83 Job Number: D-95-603-05



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0				Light Blue Gray Moist Fissile Clayey SHALE Washed (continued)	35			
1					1"			
2				Gray Dry Fissile Micaceous Clayey Shale	15			
3					100			13
4				Boring Completed	3"			
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Note:
S. Abut. in Boring Logs refers to W. Abut. in plans.



USER NAME = *OPERATOR*	DESIGNED - TJZ	REVISED
FILE NAME = 0110514-72A61.dgn	CHECKED - CWC	REVISED
PLOT SCALE = 0:2.0000" = 1'-0"	DRAWN - DLH	REVISED
PLOT DATE = 8/16/2013	CHECKED - TJZ	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 011-0514

SHEET NO. 22 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(4)I; 136B-1	CHRISTIAN	97	62
•	75 (IL 27) & 714 (IL 48)	CONTRACT NO. 72A61		

ILLINOIS FED. AID PROJECT