

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 10/10/07

ROUTE FAP 304 DESCRIPTION IL 96 over Fox Creek LOGGED BY E. Stewart

SECTION 5A-BR LOCATION SW 14, SEC. 2, TWP. 9S, RNG. 3W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 007-0013 (E) / 007-0028 (P)
Station 475+15

BORING NO. E. Abut.
Station 476+00
Offset 19.50ft RT
Ground Surface Elev. 510.5 ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
7				Light Brown Silty CLAY	5				Light Brown Silty CLAY (continued)
9	0.62	16			7	1.63	24		
7	B20				7	B20			
3					2				
2	0.36	8			2	1.20	24		
4	S20				4	B20			
505.5	-5				485.5	-25			
9				Dark Brown and Gray Silty CLAY	6				Light Gray with Brown Speckled CLAY
14	0.41	31			5	1.87	26		
19	S10				4	B20			
503.0					4				
5				Dark Brown Silty CLAY	7	1.63	27		
4	0.12	23			24	B20			
4	S5				6				
500.5	-10				10	2.66	20		
10				Dark Brown Clay LOAM	11	B10			
12	0.59	24			50				
12	B20				6				
498.0					10	2.66	20		
8				Gravelly SAND	11	B10			
11				See Gradation @ 12.5 ft	9	NC			
9	NC				456.5	6			
495.5	-15				6	0.59	45		
13				Gravelly Clay TILL	13	B20			
21	0.62	14		A-6(4)	56				
21	S15			See Classification @ 16 ft	3	B20			
493.0					453.0				
8				Light Brown Silty CLAY	502"				
4	1.11	21			56				
4	B20			Light Brown CLAY with Gravel	7	1.76	27		
4	B20				7	B20			
-20					-40				

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, from 137 (Rev. 8-99)



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5				Light Brown CLAY with Gravel (continued)	450.0				Weathered SHALE with Clay (continued)
467.0					450.0				END OF BORING
5				Light Green Silty CLAY	9	2.57	17		
16	S10				16				
465					6				
10	2.66	20			11	B10			
50					6				
456.5	6			Light Brown CLAY	3	B20			
56					453.0				
453.0					502"				
56				Weathered SHALE with Clay	56				
-60					-80				

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, from 137 (Rev. 8-99)

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: <u>IDOT</u>	DRAWN: <u>SJS</u>
CHECKED: <u>DCD</u>	CHECKED: <u>DCD</u>

SOIL BORINGS (1 OF 3)
ILLINOIS 96 OVER
FOX CREEK
STRUCTURE NO. 007-0028

SHEET 20 OF 22	F.A.P. RTE. 304	SECTION 5A-BR	COUNTY CALHOUN	TOTAL SHEETS 60	SHEET NO. 43
CONTRACT NO. 76886		ILLINOIS FED. AID PROJECT			

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