STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3
Date 1/8/08

ROUTE FAP 304 DESCRIPTION IL 96 over Fox Creek LOGGED BY E. Stewart
SECTION 5A-BR LOCATION SW 1/4, 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. SB 1
Station 475+50
Offset 10.00ft LT
Ground Surface Elev. 512.01 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 (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
				Suspended Augers using Caissons – No Samples Taken			
-5				-25			
-10				-30			
-15				-35			
493.0 Ground Level -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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SOIL BORING LOG

Page 2 of 3
Date 1/8/08

ROUTE FAP 304 DESCRIPTION IL 96 over Fox Creek LOGGED BY E. Stewart
SECTION 5A-BR LOCATION SW 1/4, 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. SB 1
Station 475+50
Offset 10.00ft LT
Ground Surface Elev. 512.01 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 (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Suspended Augers using Caissons – No Samples Taken (continued)				Suspended Augers using Caissons – No Samples Taken (continued)			
-45				-65			
-50				444.0 Borehole continued with rock coring. -70			
-55				-75			
-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)

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ROCK BORING LOG

Page 3 of 3
Date 1/8/08

ROUTE FAP 304 DESCRIPTION IL 96 over Fox Creek LOGGED BY E. Stewart
SECTION 5A-BR LOCATION SW 1/4, SEC. 2, TWP. 9S, RNG. 3W, 4 PM
COUNTY Calhoun CORING METHOD

STRUCT. NO. 007-0013 (E) / 007-0028 (P)
Station 475+15
CORING BARREL TYPE & SIZE NX
Core Diameter 2 in
Top of Rock Elev. 444.01 ft
Begin Core Elev. 444.01 ft
BORING NO. SB 1
Station 475+50
Offset 10.00ft LT
Ground Surface Elev. 512.01 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
444.01 Shaley LIMESTONE		64	35	9.58	585.576
					814.464
-70		64	35	10.5	
					821.952
		64	35	12.13	1116.36
		64	35	5.63	
		64	35	8.33	
		64	35	10.52	
		64	35	8.63	
437.01 -75 END OF BORING AND ROCK CORE					
-80					
-85					

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED:	IDOT	DRAWN:	SJS
CHECKED:	DCD	CHECKED:	DCD

SOIL BORINGS (2 OF 3)
ILLINOIS 96 OVER
FOX CREEK
STRUCTURE NO. 007-0028

SHEET 21 OF 22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	304	5A-BR	CALHOUN	60	44
		STA. 475+19.62	CONTRACT NO. 76886		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FILE: J:\JDQ\10164 IL-DBVV#9 IL 96 Fox Creek-FINAL\I-FoxCreek\20borings.dgn
USER: DCD
DATE: 11/26/2008 10:41:09