



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Date 10/15/03

ROUTE FAP 42 DESCRIPTION IL 127 over Coon Creek LOGGED BY Mark Schreder  
SECTION 2BR LOCATION NW 14, SE 14, SEC. 31, TWP. 1N, RNG. 2W, 3 PM  
COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO.	Station	DEPTH (ft)	SOIL	UCS (tsf)	Failure Mode	SPT (blows)
095-0024	486+70	Surface Water Elev. _____ ft				
		Stream Bed Elev. _____ ft				
1	60.00ft Left	Groundwater Elev.: _____ ft				
		First Encounter _____ ft				
		Upon Completion _____ ft				
		After _____ Hrs. _____ ft				
		Ground Surface Elev. 423.1 ft				
		Brown Silty CLAY				
		401.6				
		Gray Silty CLAY (continued)				
		8 2.6 24				
		10 S20				
		Gray Silty CLAY				
		4				
		6 2.3 24				
		9 S20				
		-5				
		2				
		5 1.6 27				
		6 S20				
		2				
		3 2.2 29				
		3 S20				
		413.6				
		Brown Clay LOAM				
		-10				
		1				
		2 0.8 22				
		3 S20				
		393.6				
		Gray Fine to Medium SAND				
		See Gradation @ 30 ft				
		15 15				
		46 NC				
		391.1				
		410.6				
		Brown Silty Clay LOAM				
		2				
		3 1.2 21				
		4 S20				
		408.6				
		Brown Fine to Coarse SAND with some Gravel				
		See Gradation @ 15 ft				
		-15				
		4				
		10 18				
		14 NC				
		406.1				
		Gray Silty CLAY				
		4				
		6 2.7 24				
		10 S20				
		-20				
		4				

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)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Date 10/16/03

ROUTE FAP 42 DESCRIPTION IL 127 over Coon Creek LOGGED BY Mark Schreder  
SECTION 2BR LOCATION NW 14, SE 14, SEC. 31, TWP. 1N, RNG. 2W, 3 PM  
COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO.	Station	DEPTH (ft)	SOIL	UCS (tsf)	Failure Mode	SPT (blows)
095-0024	487+86	Surface Water Elev. _____ ft				
		Stream Bed Elev. _____ ft				
2	42.00ft Right	Groundwater Elev.: _____ ft				
		First Encounter _____ ft				
		Upon Completion _____ ft				
		After _____ Hrs. _____ ft				
		Ground Surface Elev. 430.1 ft				
		Brown Silty LOAM				
		1				
		2 0.5 22				
		2 S20				
		-5				
		1				
		1 0.4 27				
		2 S20				
		423.1				
		Brown Silty Clay LOAM				
		1				
		2 0.6 28				
		2 S20				
		420.6				
		Gray Fine to Medium SAND				
		See Gradation @ 10 ft				
		-10				
		2				
		2 20				
		4 NC				
		418.1				
		Brown Sandy LOAM				
		See Gradation @ 12.5 ft				
		4				
		6 21				
		7 NC				
		416.6				
		Brown Sandy Clay LOAM				
		See Gradation @ 15 ft				
		-15				
		4				
		8 1.5 18				
		10 S10				
		395.6				
		LIMESTONE				
		502"				
		394.1				
		End of Boring				
		412.6				
		6				
		4 NC				
		19				
		5				
		2.0 19				
		S20				
		Gray Silty CLAY				
		5				
		2.0 19				
		S20				
		-20				
		4				

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)

DESIGNED Ruben V. Boehler  
CHECKED Tim S. Howard  
DRAWN Nicole L. Darling  
CHECKED Michael D. Cummins

**BORING LOGS**

IL ROUTE 127 OVER TRIBUTARY TO CROOKED CREEK  
F.A.P. ROUTE 42 SECTION 2BR  
WASHINGTON COUNTY  
STA. 487+25  
S.N. 095-0076

CUMMINS ENGINEERING CORPORATION

JOB #: 2158  
FILE: 2158BORING  
DATE: 11/16/04