

Contract # 97351



Illinois Department of Transportation  
Division of Highway  
Shirley Geotechnical, Inc.

SOIL BORING LOG

Page 2 of 2

Date 1/24/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Gelb  
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W  
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION
						Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
						Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After 1 Days _____ ft
BORING NO. 2	Station 36+25	Offset 0.00ft				Ground Surface Elev. 471.02 ft
						Interlayered Dark Olive-Gray Sandy SHALE & SILTSTONE (continued)
						Gray & Dark Brown 42.5 to 47.5 Feet
		15	50/5"	2.9	12.6	
						Dark Olive-Gray SHALE
		423.52				
						Dark Olive-Gray SHALE
		19	50/5"		11.3	
						End of Boring
		417.12	50/5"		5.7	

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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						Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
						Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After 1 Days _____ ft
BORING NO. 3	Station 37+15	Offset 0.00ft				Ground Surface Elev. 469.44 ft
						Brown SILTY CLAY LOAM, Trace Gravel, FILL
		467.69				
						Dark Brown SILTY CLAY LOAM, Trace Gravel, FILL
		6		4.9	13.5	
						Dark Brown SILTY LOAM
		445.69				
						Dark Gray CLAY LOAM
		445.52		4.3	16.5	
						Gray SILTY CLAY
		444.69				
						Dark Gray SILTY LOAM
		443.94				
						Gray-Brown SILTY CLAY, with Limestone Fragments, Roots, Possible FILL
		2		3.8	19.8	
						Gray-Brown SILTY CLAY LOAM, Trace Gravel
		461.44				
						-2 Inch Sandstone Seam at 9.3 Feet
		10		6.0	13.3	
						-Hard Drilling 9.0 to 9.5 Feet
		11				
						-Trace Sandstone at 12.0 Feet
		9		7.3	15.6	
						Gray Shaley CLAY, with Thin Sand Seams
		456.44				
						Gray-Brown SILTY CLAY
		4		6.7	17.0	
						Interlayered Olive-Gray Sandy SHALE & SILTSTONE
		11		5.7	17.1	
						Interlayered Olive-Gray Sandy SHALE & SILTSTONE
		431.94				
						-1-1/2" Piece of Limestone at 19.5
		7			15.9	
		10				

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						Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
						Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After 1 Days _____ ft
BORING NO. 3	Station 37+15	Offset 0.00ft				Ground Surface Elev. 469.44 ft
						Interlayered Olive-Gray Sandy SHALE & SILTSTONE (continued)
						Gray SHALE
		426.94				
						Gray SHALE
		50/5"			8.3	
						End of Boring
		420.54	50/5"		7.4	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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DESIGNED	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.



Hoelscher Engineering, P.C.

11 Executive Drive Suite 12  
Fairview Heights, Illinois 62208  
(618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SOIL BORING LOGS SHEET 2  
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)  
F.A.U. 8959 SECTION 05-00016-03-BR  
MADISON COUNTY  
STATION 36+23.37  
STRUCTURE NO. 060-6851