



Illinois Department of Transportation  
Division of Highways  
Kaskaskia Engineering Group, LLC

### SOIL BORING LOG

Date 2/18/10

ROUTE FAP 534 (IL 94/IL 116) DESCRIPTION IL 94 over Ellison Creek LOGGED BY KEG  
SECTION 109BR-1 LOCATION Media TWP, NW 1/4, Sec 18, T9N, R4W and NE 1/4 Sec 13, T9N, R5W  
COUNTY Henderson DRILLING METHOD CME 55LC w/ HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	SOIL DESCRIPTION				D E P T H	B L O W S	U C S Qu	M O I S T
					(ft)	(/6")	(tsf)	(%)				
036-0004					Surface Water Elev. _____ ft							
					Stream Bed Elev. _____ ft							
AN-BH#2					Groundwater Elev.:							
269+65					First Encounter 579.0 ft							
12.0 ft Lt					Upon Completion _____ ft							
599.98					After _____ Hrs. _____ ft							
599.31					ASPHALT - 8 Inches				579.48			
598.98					CRUSHED ROCK - 4 Inches							
		9			FILL: Brown, sandy clay loam, trace asphalt (A-6)							
		5	1.5	20								
		6	P									
		5			No asphalt							
		4	1.2	19								
		-5	B									
		3			Becomes gray							
		3	0.9	25								
		4	B									
		3										
		3	1.6	22								
		-10	B									
589.48					FILL: Gray, silty clay (A-7)							
		3										
		3	1.3	24								
		4	P									
		3										
		3	0.9	28								
		-15	B									
584.48					SILTY CLAY LOAM: Brown (A-6)							
		1										
		2	0.4	25								
		3	B									
581.48					SANDY CLAY LOAM: Grayish brown (A-4)							
		1										
		1	NC	23								
		-20										

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, form 137 (Rev. 8-99)



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269+65					First Encounter 579.0 ft							
12.0 ft Lt					Upon Completion _____ ft							
599.98					After _____ Hrs. _____ ft							
					CLAY LOAM: Gray, trace fine gravel (A-7) (continued)							
		4										
		5	1.7	19								
		-45	B									
		6										
		6	1.3	23								
		-50	B									
		5										
		5	2.1	21								
		-55	B									
		8										
		8	1.9	30								
		-60	S									

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