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

SOIL BORING LOG

Date 2/19,22/2010

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 NE1/4 Sec 13, T9N, R5W

COUNTY Henderson DRILLING METHOD CME 55LC w/ HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 036-0004
Station

BORING NO. APS-BH#3
Station 270+96
Offset 53.0 ft Rt
Ground Surface Elev. 595.57 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 584.6 ft ▼
Upon Completion - ft
After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY LOAM: Grayish brown, with brown, fine sand deposits (A-6)					
			4		
			7	1.7	27
		-85	12	B	
	507.57				
CLAYEY SHALE: Brown					
			50/4"		
			50/3"	NC	15
		-90			
			38		
			50	NC	16
		-95			
Becomes dark brown	496.57		50/3"	NC	20
End of Boring		-100	50/2"		

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)

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

SOIL BORING LOG

Date 2/23/10

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 NE1/4 Sec 13, T9N, R5W

COUNTY Henderson DRILLING METHOD CME 55LC w/ HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 036-0004
Station

BORING NO. AS-BH#4
Station 271+29
Offset 11.5 ft Lt
Ground Surface Elev. 600.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 581.5 ft ▼
Upon Completion - ft
After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT - 8 inches	599.37				
CRUSHED ROCK - 4 inches	599.04				
FILL: Dark brown, silty clay loam (A-6)			8		
			5	1.3	25
			6	P	
	597.04				
FILL: Gray, clay (A-7)			4		
			3	1.9	22
		-5	5	B	
	594.54				
FILL: Gray and brown, sandy clay loam (A-6)			2		
			1	0.5	25
			3	B	
	592.04				
FILL: Dark brown, silty clay loam (A-6)			1		
			3	0.7	30
		-10	3	B	
	589.54				
SILTY CLAY: Gray (A-6)			WH		
			2	0.7	30
			2	B	
			2		
			2	0.5	29
		-15	3	P	
			2		
			1	0.8	22
			2	B	
	582.04				
SANDY CLAY LOAM: Gray (A-6) ▼			2		
			1	0.2	35
		-20	1	B	
SANDY CLAY LOAM: Gray (A-6) (continued)			WH		
			1	0.2	28
			1	B	
	577.04				
SAND: Brown, fine (A-3)			2		
			3	NC	
		-25	4		
			1		
			2	NC	
			4		
			3		
			8	NC	
		-30	11		
	566.54				
CLAY LOAM: Grayish brown, trace fine gravel (A-7)			4		
			6	2.8	18
		-35	8	B	
			6		
			5	2.5	17
		-40	8	B	

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)