Illinois Department of Transportation
Division of Highways
Geotech Engineering & Testing, Inc.

SOIL BORING LOG

Date 11/29/10

ROUTE FAS 1388 (IL 8) DESCRIPTION IL 8 Over Kickapoo Creek LOGGED BY C. Farmer

SECTION (Z-1D-BR-1) BR LOCATION SE 1/4, SEC. 24, TWP. 9N, RNG. 6E, 4th PM, Latitude Longitude

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 072-0047
Station 792+64.23

BORING NO. AE
Station 802+67.18
Offset 30.0 ft LT
Ground Surface Elev. 510.24 ft

Surface Water Elev. 489.04 ft
Stream Bed Elev. 488.00 ft

Groundwater Elev.:
First Encounter 485.2 ft ▼
Upon Completion 485.2 ft ▽
After 24 Hrs. 487.9 ft ▼

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown silty TOPSOIL w/ rock, stiff, low to medium plasticity	509.24		3		
			7	1.6	17
			5		
Soft to Stiff, Dark Brown to Black, Moist, SILTY CLAY					
			4		
			6	1.6	23
			6	B	
		-5			
			1		
			2	0.9	21
			2	B	
			1		
			2	0.2	23
			3	B	
	500.24	-10			
Firm, Dark Brown Black, Moist, SILTY CLAY w/ Sand			1		
			3	0.7	23
			2	B	
	497.74				
Soft, Dark Brown to Black, Moist, SILTY CLAY			1		
			1	0.0	18
			2	B	
	495.24	-15			
Soft, Dark Brown to Black, Moist, SILTY CLAY w/ Sand			1		
			2		23
			2		
			2		
			2		19
			2		
	490.24	-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Firm, Dark Brown to Black, Very Moist, SILTY CLAY			2		
			2	0.6	19
			4	B	
		▼			
			1		
			1	0.1	14
			3	B	
	485.24 ▼	-25			
Very Stiff, Brown, Very Moist to Saturated, SANDY CLAY LOAM w/ Gravel			1		
			50		9
			50		
	480.24	-30			
Loose to Dense, Tan Brown, Very Moist to Saturated, Coarse SAND			3		
			4		
			5		
		-35			
			12		
			15		
			21		
		-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, form 137 (Rev. 8-99)

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose to Dense, Tan Brown, Very Moist to Saturated, Coarse SAND *(continued)*	469.24		12		
			22		
			32		
Stiff to Hard, Dark Gray to Black, moist, CLAY SHALE					
		-45			
			50/0.3		
			50/0.3		
	460.24	-50			
End of Boring					
		-55			
		-60			

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