Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Date 9/23/09

ROUTE FAU 64 (IL 29) DESCRIPTION IL 29 Over Boyd's Hollow LOGGED BY MAG

SECTION (10B) BR LOCATION Medina Road District, SEC. 34, TWP. 10N, RNG. 8E, 4th PM,
Latitude N40º 48 31.6, Longitude W89º 34 13.6

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 072-0072 existing 072-0226 proposed
Station 99+96

BORING NO. B-3 E side of N Abut
Station 99+65
Offset 36.00ft LT
Ground Surface Elev. 475.20 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 464.50 ft

Groundwater Elev.:
First Encounter 461.7 ft
Upon Completion N/A ft
After 20 Hrs. 463.7 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Pavement 6 inches thick with 6 inches of aggregate base course	474.20				
			5		
Dark Brown SILTY CLAY LOAM (fill), trace gravel, organics			3	0.5	17
			3	S	
			2		
			3	1.2	20
		-5	4	S	
	469.20				
Medium Stiff Brown, Moist SILTY CLAY, trace gravel			1		
			1		16 A
			1		20 B
			1		
			1	0.8	12
2-inch Brown, Coase, SAND lens at 9.5'		-10	3	P	
	464.20				
Soft to Very Soft Brown and Gray, Moist SILTY LOAM, trace gravel, organics			1		
			1	0.4	24
			2	B	
			WH		
4-inch Fine to Medium SAND lens at 14'			WH	0.5	25
		-15	WH	P	
			WH		
			WH	0.2	24
			WH	B	
			WH		
			WH	0.4	26
		-20	WH	B	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft to Very Soft Brown and Gray, Moist SILTY LOAM, trace gravel, organics *(continued)*			2		
8-inch Brown, Fine to Medium, SAND lense at 21.5'			2		19
			2		
			2		
			2	0.6	29
		-25	3	B	
			WH		
			WH	0.1	20
8-inch Brown, Fine to Medium, SAND lense at 27'			1	B	
			WH		
			WH	0.1	22
		-30	WH	B	
Drill Method switched to Mud Rotary at 30.0'					
			1		
			3		18
		-35	2		
	436.70				
Very Soft Gray, Moist SILTY LOAM, trace gravel			3		
			2	0.2	19
		-40	3	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)

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Soft Gray, Moist SILTY LOAM, trace gravel *(continued)*					
			2		13
		-45	2		
			4		
Trace Organics at 49'			2	0.3	26
		-50	4	B	
	421.70				
Dense Gray, Medium to Coarse, Moist SAND and gravel			21		
			15		10
		-55	17		
	416.70				
Hard Blue and Gray, Dry SILTY LOAM			100/4"		
					15
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Blue and Gray, Dry SILTY LOAM *(continued)*					
			100/2"		
		-65			19
			100/2"		
					18
	405.20	-70			
End of Boring					
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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