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

SOIL BORING LOG

Date 9/21/09

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 N40° 48 31.9, Longitude W89° 34 14.5

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

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

BORING NO. B-1 W side of N Abut
Station 99+65
Offset 35.00ft RT
Ground Surface Elev. 475.40 ft

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

Groundwater Elev.:
First Encounter 459.4 ft ▼
Upon Completion N/A ft
After 24 Hrs. 464.7 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Pavement 8 inches thick	474.73				
Black LOAM (fill), trace gravel	473.90		7		
Loose Brown, Dry SANDY LOAM, trace gravel			3 2	2.0 P	17
Loose Brown, Dry SAND, trace gravel, organics	471.90 / 470.90	-5	3 2		6 A 12 B
Very Stiff Brown and Gray LOAM, trace gravel	468.40		1 2 3	2.0 P	18 A 21 B
Brown SAND, some gravel; 1" layer of brown SILT at 7 feet	466.90		2		
Stiff Brown and Gray LOAM, trace gravel		-10	1 2	1.8 P	20
▽	464.40				
Loose Brown and Gray, Moist LOAM, trace gravel			1 1 4	0.2 P	17
	461.40		1		
Medium Stiff to Very Soft Brown, Moist CLAY LOAM, some gravel		-15	1 1	0.8 P	26
Wet at 16 feet ▼			1 1 2	0.2 B	21
	455.90	-20	1 2 4		17 A 14 B
Loose Brown, Medium to Coarse, Wet SAND, trace gravel *(continued)*			1 2 3		15
	451.40		1		
Very Soft Brown and Gray, Wet CLAY LOAM		-25	1 1	0.2 P	17
	449.40		1		
Loose Brown, Coarse, Wet SAND; 4-inch Brown SILTY CLAY lens at 26.5'			5 4		12
	446.90		1		
Very Loose Brown, Fine to Medium, Wet SAND, trace gravel	445.90	-30	1 1		15
Medium Stiff to Soft Gray, Wet SILTY LOAM, trace gravel, coal; Drill Method switched to Mud Rotary at 30.0'					
Little Gravel at 33.5'			3		
4-inch Gray, SAND		-35	4 2	0.8 P	21
		-40	2 3	0.4 B	23

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 (%)
Medium Stiff to Soft Gray, Wet SILTY LOAM, trace gravel, coal *(continued)*					
4-inch Gray, Coarse SAND lens at 43.5'			6		
7-inch Gray, Fine SAND lens at 44.0'		-45	4 2	0.6 B	25
			3		
3-inch GRAVEL lens at 49.75'	425.40	-50	6 14	0.6 B	28 A 11 B
Very Dense Gray, Wet GRAVEL, trace sand					
			30		
		-55	50 22		7
	416.90		100/5.5"		
Hard Blue and Gray, Wet SILTY LOAM		-60		7.0 P	17
Hard Blue and Gray, Wet SILTY LOAM *(continued)*					
			100/5"		
		-65		5.5 P	18
			100/2.5"		
		-70			23
			100/2.5"		
		-75			28
			100/2"		
	395.40	-80			21

End of Boring

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