Illinois Department of Transportation
Division of Highways
GSG CONSULTANTS INC.

SOIL BORING LOG

Page 1 of 2

Date 5/9/11

ROUTE FAI 74 DESCRIPTION FAI 55 Business (NB) over FAI 74 (EB) LOGGED BY RJC

SECTION (57-20HB-1)BR LOCATION South of Bloomington, SEC. 19, TWP. 23N, RNG. 2E, 3rd PM, Latitude , Longitude

COUNTY McLean DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 057-0059 existing 057-0251 proposed
Station 57+97.32

BORING NO. B-8 S. Abut
Station 59+03
Offset 5.60ft LT
Ground Surface Elev. 806.00 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 772.5 ft ▼
Upon Completion 751.0 ft ▽
After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown, Moist SILTY LOAM (Fill), little organics	805.00				15
Brown and Dark Brown, Moist SILTY LOAM (Fill), trace gravel, organics			6		
			6 7	4.3 P	14
	802.50				
Dark Brown, Moist SILTY LOAM (Fill), trace gravel			3		
			4 5	7.0 P	13
		-5			
			2		
			7 8	8.0 P	11
	797.50				
Dark Gray, Moist SILTY LOAM (Fill), trace gravel, organics			4		
			6 8	3.7 B	18
		-10			
			4		
			7 8	4.1 B	13
			3		
			4 6	4.3 P	23
		-15			
	789.70		6		
Brown, Moist SILTY LOAM (Fill), trace gravel	789.20		7 9	4.3 B	19
Brown and Gray, Moist SILTY LOAM (Fill), trace gravel					
			2		
	786.50				
			7 9	4.3 P	23
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown, Moist SILTY LOAM (Fill), trace gravel *(continued)*	784.50		2		
Brown and Gray, Moist SILTY LOAM (Fill), trace gravel			4 8	2.6 B	13
	782.00		2		
Hard Black and Dark Gray, Moist SILTY LOAM, trace organics			5 7	5.5 B	29
		-25			
	780.00				
Stiff to Very Stiff Brown and Gray, Moist SILTY LOAM			3		
			4 6	2.0 B	21
			2		
			2 4	1.2 B	20
		-30			
	772.50 ▼				
Very Stiff Brown, Wet SILTY LOAM			2		
			4 7	2.0 P	21
		-35			
	767.50				
Brown, Fine to Medium grain, Wet SAND, trace gravel	767.00		2		
	766.70		5 4	2.0 P	14
Very Stiff		-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 (%)
Gray, Wet SILTY LOAM, some gravel					
Gray, Wet SILTY LOAM, trace gravel *(continued)*					
			8		
			9 13		17
		-45			
	757.50				
			19		
Brown, Wet SILTY LOAM, some gravel	756.50		25 23	7.0 P	10
Dense Brown, Fine to Medium grain, Wet SAND, trace gravel		-50			
			14		
			20 23		12
		▽-55			
			3		
	746.50		7 13		11
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown, Fine to Medium grain, Wet GRAVEL, trace sand *(continued)*	745.00				
Hard Brown and Gray, Wet SILTY LOAM, trace gravel			35		
			27 36	8.0 P	9
	741.00	-65			
End of Boring					
		-70			
		-75			
		-80			

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