Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 2/16/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-097**
Station: 592+50 Harlem Avenue
Offset: 17.5' Right
Ground Surface Elev. 757.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 754.6
Upon Completion 750.6
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	29
		3		*90*
SILTY CLAY–dark brown & gray–soft (A–6) Wet		4		
		5	0.4B	29
		3		
		4		
CLAY–brown & gray–stiff to very stiff (A–6)	–5	7	1.75P	18
		4		*110*
		8		
		10	3.7B	20
CLAY–gray–hard (A–6)		6		*113*
		7		
	–10	10	4.2B	17
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-098**
Station: 595+89 Harlem Avenue
Offset: 38.7' Left
Ground Surface Elev. 754.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		AS	–	52
TOPSOIL–black		3		*83*
		3		
		4	1.2B	38
		3		*104*
		3		
CLAY–brown & gray–stiff to very stiff (A–6)	–5	6	1.7B	23
		3		*106*
		4		
		7	2.75B	22
CLAY–gray–very stiff (A–6)		3		*110*
		5		
	–10	7	3.0B	20
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
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NR–No Recovery

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11/2/2012