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-099**
Station: 598+53 Harlem Avenue
Offset: 21.0' Right
Ground Surface Elev. 757.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 752.8 ▼
Upon Completion 749.8 ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	29
		3		*107*
		4		
		7	5.0B	19
CLAY–brown & gray–hard (A–6)		4		*110*
		8	4.0S●	
	–5	9	11.3%	20
		6		*110*
		9		
		10	4.9B	19
CLAY LOAM–brown & gray–stiff (A–4/A–6)		4	1.5P	19
Clayey SAND & GRAVEL–brown & gray–medium dense (A–2)		5		
	–10	5		
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

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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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 ____

STRUCT. NO. –
Station: –
BORING NO. **RB-100**
Station: 601+58 Harlem Avenue
Offset: 25.5' Left
Ground Surface Elev. 755.3

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 (%)
TOPSOIL–black		AS	–	32
		2		
		3		
		4	3.25P	34
SILTY CLAY–brown & gray–medium stiff (A–6) Wet		3		*91*
		2		
	–5	3	0.6B	28
CLAY–brown & gray–hard (A–6)		5		*117*
		9		
		12	7.7B	16
CLAY–gray–very stiff (A–6)		6		*110*
		8		
	–10	14	3.25B	18
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

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