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

SOIL BORING LOG

PAGE 1 of 2
DATE 12/12/2011
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. 05 & 08, TWP. 34 N., RNG. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. 099-0526
Station: 16030+55.78
BORING NO. **BR-06**
Station: 16031+87
Offset: 6.5' Right
Ground Surface Elev. 776.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter *Dry To -10.0'*
Upon Completion n/a
After ____ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
3.0" ASPHALT, 14.0" CRUSHED STONE	775.1		AS	–	3
CLAY LOAM– brown & gray–stiff to hard (A–6) Fill			9		
			6 5	4.5P	14
			2		*114*
		–5	3 4	5.8B	14
			2		*111*
			3 3	1.2B	17
			5		*118*
		–10	5 6	5.8B	13
			6		*117*
			5 4	3.1B	16
			2		
		–15	3 4	2.0P	24
			8		*113*
			7 8	3.4B	15
SANDY CLAY–brown–stiff (A–6) Fill	758.5		5		
		–20	5 6	1.25P	19

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY–brown–stiff (A–6) Fill	756.0				
SILTY CLAY–dark brown, gray & black–very stiff (A–6)			4		*101*
			5 5	2.0B	23
SANDY LOAM–brown–loose (A–2)	753.5		2		
		–25	3 3	NP	26
CLAY LOAM– gray–stiff to very stiff (A–6)	751.0		4		
			4 4	1.25P	17
			4		*112*
		–30	5 6	0.8B	17
		–35	12 22 13	3.5P	16
SILT–gray–dense (A–4)	739.5				
		–40	15 16 15	NP	19

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 I-57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 05 & 08, TWP. 34 N., RNG. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD 3.25" Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. 099-0526
Station: 16030+55.78
BORING NO. **BR-06**
Station: 16031+87
Offset: 6.5' Right
Ground Surface Elev. 776.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter *Dry To -10.0'*
Upon Completion n/a
After ____ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILT–gray–dense (A–4)	734.5				
CLAY LOAM–gray–very stiff (A–6)			10		*114*
		–45	12 13	2.8B	18
			8		*108*
		–50	11 15	2.3B	19
SANDY LOAM– gray–dense to very dense (A–2)	724.5				
			12		
		–55	22 30	NP	19
			50/5"		
		–60		NP	18

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY LOAM– gray–dense to very dense (A–2)	714.5				
SILT–gray–very dense (A–4)			31		
		–65	50/2"	NP	19
CLAY LOAM–gray–stiff (A–6)	709.5				
			4		*121*
		–70	5 7	1.5B	13
			7		
		–75	8 10	1.0P	15
SILTY LOAM–gray–dense (A–4)	699.5				
End Of Boring @ –80.0'			11		
Hollow Stem Augers To –10.0'					
Rotary Drilling To Completion			21		
10.0' Of 4.0"ø Casing Used					
CME Automatic Hammer	696.5	–80	23	NP	21

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