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 12/13/2011
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-01**
Station: 16029+35
Offset: 6.6' Left
Ground Surface Elev. 777.3

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 (%)
5.0" ASPHALT, 7.0" CRUSHED STONE	776.3		AS	–	3
CLAY LOAM– brown & gray–stiff to hard (A–6) Fill			7		
			5		
			4	3.0P	16
			3		
			3		
		–5	4	4.5P	14
			2		*112*
			2		
			4	1.5B	17
			2		
			3		
		–10	4	1.0P	18
			4		*110*
			4		
			5	2.5B	17
			3		*120*
			4		
		–15	5	4.7B	14
			3		*107*
			3		
			4	1.8B	20
			2		*105*
			3		
		–20	3	1.6B	20
CLAY LOAM– brown & gray–stiff to hard (A–6) Fill			3		*107*
			3		
			4	2.2B	18
			3		*105*
			3		
		–25	3	1.2B	20
	751.8				
SANDY CLAY LOAM– brown & gray–loose (A–2) Possible Fill			2		
			3		
			3	NP	25
	749.3				
CLAY LOAM– gray–stiff to very stiff (A–6)			3		*118*
			3		
		–30	5	1.25B	16
			5		*117*
			7		
		–35	8	3.0B	16
			5		*117*
			6		
		–40	7	2.0P	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 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-01**
Station: 16029+35
Offset: 6.6' Left
Ground Surface Elev. 777.3

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 (%)
CLAY LOAM– gray–stiff to very stiff (A–6)					
			6		*121*
			6		
		–45	8	2.3B	15
			4		*119*
			5		
		–50	5	1.7B	16
	725.3				
SILTY CLAY LOAM– gray–dense to very dense (A–4/A–6)			20		
			15		
		–55	16	4.5+P	15
			20		*110*
			31		
		–60	32	2.7B	19
SILTY CLAY LOAM– gray–dense to very dense (A–4/A–6)					
	715.3				
SILTY LOAM TO LOAM–gray–dense (A–4)			16		
			21		
		–65	30	NP	18
	710.3				
CLAY LOAM–gray–stiff (A–6)			5		*117*
			5		
		–70	7	1.0B	13
	705.3				
SANDY LOAM– gray–medium dense (A–2)			6		
			7		
		–75	10	NP	22
	700.3				
CLAY LOAM–gray–stiff (A–6)			5		*122*
			6		
	697.3	–80	6	1.4B	12

End Of Boring @ –80.0'
Hollow Stem Augers To –10.0'
Rotary Drilling To Completion
10.0' Of 4.0"ø Casing Used
CME Automatic Hammer

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