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 6/21/2012
LOGGED BY MD
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 CME Automatic
STRUCT. NO. ---
Station: ---
BORING NO. CB-09
Station: 1463+71 I-57
Offset: 15.7' Left
Ground Surface Elev. 758.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 6.0'
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				CLAY–gray–stiff (A–6) 737.6
	AS	1.0P	15	
	2		101	
	2			SAND–gray–medium dense (A–3)
	3	1.9B	24	
				735.1
	1		89	SILTY LOAM–gray–loose (A–4)
–5	3			
	4	1.1B	27	
752.6				
	2		110	GRAVEL–gray–medium dense (A–1)
	4			730.6
	5	1.8B	20	
	4		112	
	6			CLAY–gray–
–10	9	3.1B	19	medium stiff to stiff (A–6)
	4		111	
	7			
	11	3.25B	19	
	5		120	
	9			
–15	12	3.5B	15	
	4		115	
	6			
	9	3.5B	17	
740.1				
	6			End Of Boring @ –40.0'
	6			Hollow Stem Augers To –10.0'
	9	1.0P	23	Rotary Drilling To Completion
–20				CME Automatic Hammer
				718.1
	4		110	
	5			
–30	2	1.0P	17	
	2		116	
	4			
–35	7	0.9B	17	
	4			
–40	7	1.1B	20	

CLAY–dark brown & gray–stiff (A–6) Fill

CLAY to CLAY LOAM–brown & gray–stiff to very stiff (A–6)

CLAY to CLAY LOAM–gray–stiff to very stiff (A–6)

CLAY–gray–stiff (A–6)

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 CME Automatic
STRUCT. NO. ---
Station: ---
BORING NO. CB-10
Station: 1463+64 I-57
Offset: 81.9' Left
Ground Surface Elev. 755.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 745.5
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				6.0" SAND & GRAVEL (Fill) 755.0
	AS	2.0P	19	
	1			
	1			CLAY LOAM–dark brown, gray & black–very stiff to hard (A–6) Fill
	2	3.0P	20	
	1		110	
–5	3			
	5	4.1B	19	
750.0				
	11			SANDY CLAY LOAM–dark brown & gray–loose to medium dense (Fill)
	16			
	11	–	9	
	4			
–10	4			
	1	–	9	
745.0				
	2		105	CLAY–brown & gray–stiff to very stiff (A–6)
	1			
	3	1.3B	22	
	5		113	
	6			
–15	10	2.6B	18	
740.0				
	4		115	CLAY to CLAY LOAM–gray–medium stiff to very stiff (A–6)
	4			
	6	2.1B	17	
	3		112	
–20	3	1.3B	18	
	4		116	
	5			
–25	3	0.9B	18	
	2		118	
	4			
–30	3	1.5B	19	
	2		111	
	4			
–35	4	1.9B	16	
	3		116	
	4			
–40	3	1.7B	17	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	4		116	CLAY to CLAY LOAM–gray–medium stiff to very stiff (A–6)
	5			
	6	1.6B	17	
	2		116	
	2			
	3	0.9B	18	
	2		118	
	2			
	3	0.6B	19	
	2		111	
	2			
	3	1.5B	19	
	3		118	
	4			
	4	1.9B	16	
	3		116	
	4			
	6			
	9	1.7B	17	

End Of Boring @ –40.0'
Hollow Stem Augers To –10.0'
Rotary Drilling To Completion
CME Automatic Hammer
715.5

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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1/31/2014

FILE NAME =	USER NAME =	DESIGNED - OPS	REVISED ⚠ 1/6/2014 S.P.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 099-0608
TYLIN INTERNATIONAL		CHECKED - SP	REVISED		SHEET NO. SC-10 OF SC-10 SHEETS
	PLOT SCALE =	DRAWN - OPS	REVISED		
	PLOT DATE =	CHECKED - SP	REVISED		

⚠ Entire Sheet Revised

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	382
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		