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 4/6/2012
LOGGED BY MD
GSI JOB No. 10196

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

STRUCT. NO. –
Station: –
BORING NO. **RB-061**
Station: 523+06 Ramp E
Offset: 12.1' Left
Ground Surface Elev. 765.3

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black (Fill)	AS	–	22				
	3		*100*				
	2						
CLAY–dark brown, gray & black–stiff to very stiff (A–6) Fill	3	2.1B	22				
	1		*88*				
	2						
–5	5	1.4B	24	–25			
	3						
TOPSOIL–black	5						
	5	–	30				
	2		*103*				
SILTY CLAY–brown & gray–stiff (A–6)	4						
–10	4	1.8B	21	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–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
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-062**
Station: 526+00 Ramp E
Offset: 4.0' Right
Ground Surface Elev. 763.9

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL with Stone–black (Fill)	AS	–	12				
	3						
	4						
	4	4.5P	18				
CLAY LOAM–dark brown & gray–stiff to hard (A–6) Fill	3		*112*				
	2						
–5	4	2.7B	19	–25			
	3		*104*				
	3						
	6	1.9B	23				
SILTY CLAY–brown & gray–stiff (A–6) Wet	2		*100*				
	2						
–10	3	1.6B	26	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–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

TYLIN INTERNATIONAL	USER NAME –	DESIGNED – DPS	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE –	DRAWN – DPS	REVISED –			57	99-1HB-R1	WILL	679	660
	PLOT DATE –	CHECKED – JF	REVISED –					CONTRACT NO. 60L69		
		DATE – 05/10/2013	REVISED –		SCALE: N.T.S. | SHEET 21 OF 40 SHEETS | STA. TO STA.			ILLINOIS FED. AID PROJECT		

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