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 3/29/2012
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 Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-049**
Station: 115+00 Ramp A
Offset: 8.0' Left
Ground Surface Elev. 753.6

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 (%)
TOPSOIL–black	AS	–	25
	2		*91*
	2		
	3	1.1B	22
CLAY–brown & gray–stiff to hard (A–6)	3		*114*
	4		
–5	4	2.7B	17
	3		*118*
	5		
	8	6.5B	16
CLAY–gray–very stiff (A–6)	5		
	5		
–10	7	2.0P	16
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–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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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-050**
Station: 118+08 Ramp A
Offset: 19.1' Left
Ground Surface Elev. 757.5

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 (%)
TOPSOIL–black	AS	–	23
	2		*111*
	4		
	7	3.6B	18
	5		*113*
	6		
CLAY–brown & gray–very stiff to hard (A–6)	9	5.6B	17
–5			
	6		*114*
	9		
	10	5.2B	17
	4		*110*
	6		
–10	8	2.4B	18
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–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
	PLOT SCALE =	DRAWN - DPS	REVISED -		SCALE: N.T.S. | SHEET 15 OF 40 SHEETS | STA. TO STA.
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE - 05/10/2013	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	654
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

P:\60420120 57 @ StuenkelRoadIC (Interchange)\C3 Stuenkel Boring Logs