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SOIL BORING LOG

DATE 3/29/2012

LOGGED BY MD

GSI JOB No. 10196

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

ROUTE F.A.I. RTE. 57 DESCRIPTION J-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-05**

Station: 114+82 Ramp A

Offset: 71.0' Left

Ground Surface Elev. 752.8

DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	Surface Water Elev. n/a				DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. n/a							
Groundwater Elevation:											
First Encounter 726.3											
Upon Completion 723.8											
After Hrs.											
TOPSOIL--black											
	AS	-	24					4			119
	3							8			
	4							8	2.4B		16
	5	-	24								
	749.8										
CLAY--gray--stiff to very stiff (A-6)											
	2		10B					5			120
	2							6			
	-5	4	2.4B					-25	9	4.0B	15
CLAY--brown & gray--very stiff to hard (A-6)											
	4							3			10B
	8							4			
	13	4.5P	16					7	1.5B		20
	744.8										
CLAY--gray--hard (A-6)											
	5		11B					6			12B
	10							7			
	-10	11	4.6B					8	1.3B		11
	742.3										
End Of Boring @ -30.0' Hollow Stem Augers CME Automatic Hammer											
SILTY CLAY--gray--stiff (A-6)											
	2										
	3										
	6	1.75P	17								
	739.8										
CLAY--gray--stiff to very stiff (A-6)											
	3		11B								
	5										
	-15	5	1.0B					-35			
	2		12B								
	5										
	8	2.9B	14								
	3		11B								
	5										
	-20	7	2.7B					-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 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-06**

Station: 114+51 Ramp A

Offset: 30.5' Right

Ground Surface Elev. 753.2

DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	Surface Water Elev. n/a				DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. n/a							
Groundwater Elevation:											
First Encounter 741.7											
Upon Completion 744.2											
After Hrs.											
CLAY--gray--stiff to very stiff (A-6) 732.7											
TOPSOIL--black											
	AS	-	34					2			126
	2		8B					4			
	4							6	2.0B		13
	7	2.9B	28					6	2.0B		13
	750.2										
CLAY LOAM--gray--stiff to very stiff (A-6)											
	2		10B					3			114
	3							6			
	-5	3	1.9B					-25	8	1.25B	17
SILTY CLAY--dark brown & gray--stiff (A-6)											
	2		10B					5			12B
	4							6			
	5	1.25B	23					8	2.7B		14
	745.2										
CLAY--brown & gray--hard (A-6)											
	2		11B					3			12B
	6							3			
	-10	9	4.4B					5	1.5B		14
	742.7										
End Of Boring @ -30.0' Hollow Stem Augers CME Automatic Hammer											
CLAY--gray--stiff to very stiff (A-6)											
	2										
	4										
	5	1.0P	22								
	2		11B								
	3										
	-15	4	1.0B					-35			
	2		12B								
	4										
	7	3.6B	15								
	3		11B								
	5										
	-20	8	2.4B					-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.

FILE NAME : TYLIN INTERNATIONAL	USER NAME :	DESIGNED - DPS	REVISED Δ 1/6/2014 S.P.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 099-0609	F.A.I. RTE. 57	SECTION 99-1HB-R1	COUNTY WILL	TOTAL SHEETS 679	SHEET NO. 389
	PLOT SCALE :	DRAWN - DPS	REVISED			CONTRACT NO. 60L69				
	PLOT DATE :	CHECKED - SP	REVISED			ILLINOIS FED. AID PROJECT				
	SHEET NO. 5D-7 OF 5D-7 SHEETS									

Δ Entire Sheet Revised

4-36-35 PM 1/3/2014