
 <p>Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amberl-Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838</p>		<h3>SOIL BORING LOG</h3>		PAGE 1 of 2 DATE 12/16/2011 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		Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i>					
BORING NO. BR-05 Station: 16030+33 Offset: 30.9' Right Ground Surface Elev. 757.2		Groundwater Elevation: First Encounter <i>Dry To -10.0'</i> Upon Completion <i>n/a</i> After _____ Hrs.					
DEPT H	BLOW S	UCS Qu	MOIST (%)	DEPT H	BLOW S	UCS Qu	MOIST (%)
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
SAND, GRAVEL & STONE-black (Fill) 756.3		AS - 6					
CLAY LOAM-dark brown, gray & black-very stiff (A-6) Fill 754.2		3 5 6 3.5P 17		CLAY TO CLAY LOAM-gray-stiff to very stiff (A-6)		5 5 6 1.2B 16	
SANDY CLAY LOAM-brown & gray-stiff (A-6) Possible Fill 751.7		4 4 -5 4 1.4B 19				4 6 -25 5 1.8B 16	
CLAYEY SAND & GRAVEL-brown & gray-loose (A-2) Possible Fill 749.2		3 4 5 NP 18				4 4 5 2.3B 14	
SANDY LOAM-gray-medium dense (A-2) 746.7		5 5 -10 6 NP 21		SANDY LOAM-gray-dense (A-2)		11 26 -30 28 NP 15	
CLAY TO CLAY LOAM-gray-stiff to very stiff (A-6)		3 4 4 1.0P 15				725.2	
		6 6 -15 6 2.4B 17		CLAY LOAM-gray-hard (A-6)		10 15 17 10.1S 11	
		4 4 5 1.9B 17				720.2	
		4 5 -20 6 1.3B 18		SANDY LOAM-gray-dense (A-2)		15 22 -40 26 NP 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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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		Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i>					
BORING NO. BR-05 Station: 16030+33 Offset: 30.9' Right Ground Surface Elev. 757.2		Groundwater Elevation: First Encounter <i>Dry To -10.0'</i> Upon Completion <i>n/a</i> After _____ Hrs.					
DEPT H	BLOW S	UCS Qu	MOIST (%)	DEPT H	BLOW S	UCS Qu	MOIST (%)
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
SANDY LOAM-gray-dense (A-2)				CLAY LOAM-gray-stiff to very stiff (A-6)			
		21 24 -45 27 NP 16				8 8 -65 7 1.5B 12	
710.2				690.2			
SILTY CLAY LOAM-gray-very dense (A-4)		23 50/5" -50 4.5+P 16		SILTY CLAY LOAM-gray-stiff (A-4/A-6)		7 8 -70 8 1.25P 14	
705.2				685.2			
SILTY SAND & GRAVEL-gray-medium dense (A-2)		8 9 -55 11 NP 15		SANDY LOAM-gray-dense (A-2)		15 18 -75 19 NP 9	
700.2							
CLAY LOAM-gray-stiff to very stiff (A-6)		7 7 -60 10 2.5B 13		End Of Boring @ -80.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' Of 4.0" Casing Used CME Automatic Hammer		21 18 677.2 -80 23 NP 11	

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