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DATE 12/15/2011
LOGGED BY RT
GSI JOB No. 10196

SOIL BORING LOG

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

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
BORING NO. BR-02
Station: 16030+89
Offset: 42.3' Left
Ground Surface Elev. 758.1

DEPT H	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev.		DEPT H	BLOW S	UCS Qu	MOIST (%)
				(ft)	(/6")				
				n/a					
				n/a					
				756.1	WD				
				n/a					
11.0" CRUSHED STONE	757.2	AS	NP	7					
CLAYEY SAND & STONE- dark brown & black-medium dense (Fill)	755.1	5			4				
		6	NP	11	5	1.5P	17		
SANDY CLAY with GRAVEL-dark brown & gray-loose (A-6) Possible Fill	752.6	2			4		114		
		3			4				
		-5	4	1.25P	25		17		
SANDY CLAY LOAM-dark brown & gray-loose (A-2) Possible Fill		2			5		118		
		3			7				
		3	NP	24	8	2.3B	14		
		2			5		112		
		3			5				
		-10	4	NP	17		18		
CLAY TO CLAY LOAM- gray-stiff to very stiff (A-6)	747.6	4			10				
		5			15				
		7		2.8B	18				
NOTE: Sand & gravel seams @ 13.5'-15.0'		5			10				
		7			15				
		-15	9	2.75P	16		18		
		5			10				
		7			7	3.4B	19		
		5			10				
		5			16				
		-20	7	3.7B	17		19		

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 I-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 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 099-0526
Station: 16030+55.78
BORING NO. BR-02
Station: 16030+89
Offset: 42.3' Left
Ground Surface Elev. 758.1

DEPT H	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev.		DEPT H	BLOW S	UCS Qu	MOIST (%)
				(ft)	(/6")				
				n/a					
				n/a					
				756.1	WD				
				n/a					
SILTY LOAM-gray-dense (A-4)	716.1								
CLAY LOAM- gray-stiff to very stiff (A-6)									
		12			5		120		
		25			5				
		-45	26	NP	23		13		
SANDY LOAM- gray-medium dense to dense (A-2)									
		5			5		124		
		7			5				
		-50	7	NP	14		13		
CLAY LOAM- gray-stiff to very stiff (A-6)	706.1								
		4			10				
		4			15				
		-55	5	1.0P	13				
SANDY LOAM- gray-medium dense to dense (A-2) 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	681.1								
		5			11				
		6			13				
		-60	6	2.5B	14		13		

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