

PAGE 1 of 1

**SOIL BORING LOG**

DATE 4/9/2012  
 LOGGED BY MD  
 GSI JOB No. 10186

Geo Services, Inc.  
 Geotechnical, Environmental & Civil Engineering  
 805 Amherst 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 Diedrich Automatic

STRUCT. NO. ---  
 Station: ---  
 BORING NO. CB-07  
 Station: 217+80 Ramp B  
 Offset: 21.0' Left  
 Ground Surface Elev. 755.9

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:			
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)
TOPSOIL-black															
754.9	AS	-	32												
2			103												
4															
4	3.3B		22												
5			110												
5															
9	6.75B		16												
CLAY-brown & gray-very stiff to hard (A-6)															
3															
8															
9	4.5+P		16												
3			116												
7															
-10	8	7.5B	15												
CLAY LOAM-gray-stiff to very stiff (A-6)															
4			114												
8															
8	6.2B		17												
2															
2															
-15	4		12												
LOAM-brown & gray-medium stiff (A-4)															
740.1															
3			117												
5															
5	1.8B		16												
CLAY LOAM-gray-stiff to very stiff (A-6)															
3			117												
5															
-20	7	3.6B	15												

Surface Water Elev. n/a  
 Stream Bed Elev. n/a  
 Groundwater Elevation:  
 First Encounter 741.9  
 Upon Completion Drv  
 After \_\_\_\_\_ Hrs. \_\_\_\_\_

End Of Boring @ -30.0'  
 Hollow Stem Augers  
 Diedrich Automatic Hammer

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

PAGE 1 of 1

**SOIL BORING LOG**

DATE 4/4/2012  
 LOGGED BY MD  
 GSI JOB No. 10186

Geo Services, Inc.  
 Geotechnical, Environmental & Civil Engineering  
 805 Amherst 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-08  
 Station: 216+31 Ramp B  
 Offset: 7.5' Right  
 Ground Surface Elev. 755.8

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:			
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)
TOPSOIL-black															
754.8	AS	-	24												
2			97												
3															
5	2.4B		25												
SILTY CLAY-dark brown & gray-very stiff (A-6) Wet															
752.8															
1			101												
3															
4	1.5B		22												
CLAY to CLAY LOAM-gray-stiff to very stiff (A-6)															
4															
5															
5	1.0P		22												
CLAY-brown & gray-stiff (A-6)															
747.8															
5			111												
6															
-10	6	1.1B	17												
SILTY LOAM-brown-stiff (A-4)															
745.3															
3			118												
4															
6	3.5B		15												
CLAY-brown & gray-very stiff (A-6)															
742.8															
3			121												
4															
-15	8	1.7B	15												
CLAY LOAM-gray-stiff (A-6)															
740.3															
11															
13															
11	NP		17												
SILT-gray-medium dense (A-4)															
737.8															
6			117												
8															
-20	10	4.2B	15												

Surface Water Elev. n/a  
 Stream Bed Elev. n/a  
 Groundwater Elevation:  
 First Encounter Drv  
 Upon Completion Drv  
 After \_\_\_\_\_ Hrs. \_\_\_\_\_

End Of Boring @ -30.0'  
 Hollow Stem Augers  
 Diedrich Automatic Hammer

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