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 4/5/2012
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-067**
Station: 223+09 Ramp B
Offset: 14.0' Left
Ground Surface Elev. 759.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs.

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| TOPSOIL–black | | AS | – | 57 |
| | | 1 | | *96* |
| CLAY–brown & gray– stiff (A–6) Wet | | 2 3 | 1.5B | 26 |
| | | 1 | | *105* |
| | –5 | 3 5 | 4.0B | 18 |
| CLAY to CLAY LOAM–brown & gray– stiff to hard (A–6) | | 4 | | *103* |
| | | 6 7 | 2.6B | 21 |
| | | 5 | | *108* |
| | –10 | 10 9 | 1.6B | 18 |
| End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer | –15 | | | |
| | –20 | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | | | |
| –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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SECTION 99-1HB-R-1
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COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-068**
Station: 219+96 Ramp B
Offset: 67.0' Left
Ground Surface Elev. 759.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs.

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| TOPSOIL with Stone–black (Fill) | | AS | – | 18 |
| | | 2 | | |
| CLAY–brown & gray– very stiff (A–6) Possible Fill | | 1 3 | 3.0P | 19 |
| | | 3 | | *106* |
| | –5 | 5 5 | 2.5B | 22 |
| | | 4 | | *106* |
| CLAY–brown & gray– very stiff to hard (A–6) | | 5 9 | 2.4B | 21 |
| | | 3 | | *108* |
| | –10 | 8 14 | 7.0B | 17 |
| End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer | –15 | | | |
| | –20 | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | | | |
| –25 | | | |
| –30 | | | |
| –35 | | | |
| –40 | | | |

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