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DATE 3/9/2010
LOGGED BY MD
GSI JOB No. 09177

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Artherist Court, Suite 204
Naperville, Illinois 60565
(830) 355-2838

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. -
Station -

BORING NO. RW-26
Station 526+00
Offset 21.0' Left
Ground Surface Elev. 871.4

| DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | Surface Water Elev. <u>n/a</u> | | | | Stream Bed Elev. <u>n/a</u> | | | | Groundwater Elevation: | | | |
|---------------|---------------|--------------|--------------|-------------------------------------|---------------|--------------|--------------|-----------------------------|---------------|--------------|--------------|------------------------|---------------|--------------|--------------|
| | | | | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) |
| 10.0 | | | | CONCRETE | | | | | | | | | | | |
| 3 | | | 107 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | 3.8B | 19 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 6 | | | 109 | | | | | | | | | | | | |
| -5 | 8 | 3.25P | 23 | CLAY-gray-stiff to very stiff (A-6) | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | 105 | | | | | | | | | | | | |
| 5 | 1.25P | 24 | | | | | | | | | | | | | |
| 3 | | | 76 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| -10 | 5 | 1.8B | 41 | | | | | | | | | | | | |
| 2 | | | 118 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 7 | 3.1B | 15 | | | | | | | | | | | | | |
| 4 | | | 117 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| -15 | 7 | 2.75B | 16 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 11 | 1.5P | 22 | | | | | | | | | | | | | |
| 6 | | | 115 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| -20 | 13 | 3.0B | 17 | | | | | | | | | | | | |

End Of Boring @ -40.0'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10' Of 4.0" Casing Used
CME 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

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SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. -
Station -

BORING NO. RW-27
Station 526+50
Offset 21.5' Left
Ground Surface Elev. 871.2

| DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | Surface Water Elev. <u>n/a</u> | | | | Stream Bed Elev. <u>n/a</u> | | | | Groundwater Elevation: | | | |
|---------------|---------------|--------------|--------------|--------------------------------|---------------|--------------|--------------|-----------------------------|---------------|--------------|--------------|------------------------|---------------|--------------|--------------|
| | | | | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW (/6") | UCS (tsf) | MOIST (%) |
| 10.0 | | | | CONCRETE | | | | | | | | | | | |
| 3 | | | 106 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 6 | 3.4B | 19 | | | | | | | | | | | | | |
| 3 | | | 99 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| -5 | 5 | 1.9B | 24 | CLAY-gray-stiff to hard (A-6) | | | | | | | | | | | |
| 3 | | | 79 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 7 | 1.6B | 34 | | | | | | | | | | | | | |
| 3 | | | 76 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| -10 | 3 | 0.7B | 42 | | | | | | | | | | | | |
| 4 | | | 112 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 8 | 1.8B | 18 | | | | | | | | | | | | | |
| 3 | | | 112 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| -15 | 7 | 1.7B | 18 | | | | | | | | | | | | |
| 4 | | | 112 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 11 | 2.3B | 19 | | | | | | | | | | | | | |
| 5 | | | 116 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| -20 | 11 | 2.25B | 16 | | | | | | | | | | | | |

End Of Boring @ -40.0'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10' Of 4.0" Casing Used
CME 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