

BORING B-1

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DATE February 21, 2005

LOGGED BY RH

GSI JOB No. 0502-A

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Antiques Court, Suite 204
Naperville, Illinois 60565
(630) 855-8200

SOIL BORING LOG

ROUTE FAI 290IL-53 DESCRIPTION High-Mast Light Pole Foundations IL 53/FAI 290, Higgins to Algonquin

SECTION 0305-302K-L-3 LOCATION NW & SW CORNERS, SEC. 18 & 7, TWP. 41N, RNG. 11E, 3rd PM

COUNTY Cook DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE D-50 Automatic

STRUCT. NO. n/a
Station n/a

BORING NO. B-1
Northing 1956618.5
Easting 1066266.7
Ground Surface Elev. 732.6

| D E P T H H | B L O W S S | U C S Q u | M O I S T T | Surface Water Elev. | | D E P T H H | B L O W S S | U C S Q u | M O I S T T |
|----------------------------|----------------------------|-----------------------|----------------------------|---------------------|------|----------------------------|----------------------------|-----------------------|----------------------------|
| | | | | (ft) | (6") | | | | |
| | | | | 731.6 | | | | | |
| | 2 | | | | | | 6 | | |
| | 3 | | | | | | 6 | | |
| | 7 | 2.5B | 24 | | | | 7 | 2.7B | 17 |
| | 3 | | | | | | 3 | | |
| | 4 | | | | | | 6 | | |
| | 5 | 1.0B | 25 | | | | 10 | 2.7B | 20 |
| | 3 | | | | | | 3 | | |
| | 6 | | | | | | 6 | | |
| | 9 | 4.9B | 23 | | | | 9 | 3.4B | 20 |
| | 3 | | | | | | 3 | | |
| | 5 | | | | | | 6 | | |
| | 7 | 4.2B | 18 | | | | 10 | 2.5B | 20 |
| | 2 | | | | | | 2 | | |
| | 5 | | | | | | 6 | | |
| | 8 | 3.5B | 19 | | | | 8 | 3.4B | 21 |
| | 2 | | | | | | 3 | | |
| | 6 | | | | | | 7 | | |
| | 12 | 1.75P | 13 | | | | 12 | 2.0B | 20 |
| | 4 | | | | | | 4 | | |
| | 5 | | | | | | 5 | | |
| | 7 | 1.75B | 14 | | | | 7 | | |
| | 2 | | | | | | 2 | | |
| | 4 | | | | | | 4 | | |
| | 6 | 1.75B | 17 | | | | 6 | 1.75B | 17 |

TOPSOIL-black (A-7) Fill

CLAY-brown, gray & black-stiff to very stiff (A-6) Fill, Wet

CLAY-gray-stiff to very stiff (A-6)

TOPSOIL-black (A-7)

CLAY-brown & gray-stiff to hard (A-6)

CLAY-brown & gray-stiff to very stiff (A-6)

CLAY-gray-stiff to very stiff (A-6)

End of Boring @ -35.0'
Boring Backfilled Upon Completion
Hollow Stem Augers
D-50 ATV

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

BORING B-2

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DATE February 07, 2005

LOGGED BY RH

GSI JOB No. 0502-A

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SOIL BORING LOG

ROUTE FAI 290IL-53 DESCRIPTION High-Mast Light Pole Foundations IL 53/FAI 290, Higgins to Algonquin

SECTION 0305-302K-L-3 LOCATION NW & SW CORNERS, SEC. 18 & 7, TWP. 41N, RNG. 11E, 3rd PM

COUNTY Cook DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-55 Automatic

STRUCT. NO. n/a
Station n/a

BORING NO. B-2
Northing 1957592.6
Easting 1066551.7
Ground Surface Elev. 738.4

| D E P T H H | B L O W S S | U C S Q u | M O I S T T | Surface Water Elev. | | D E P T H H | B L O W S S | U C S Q u | M O I S T T |
|----------------------------|----------------------------|-----------------------|----------------------------|---------------------|------|----------------------------|----------------------------|-----------------------|----------------------------|
| | | | | (ft) | (6") | | | | |
| | | | | 735.9 | | | | | |
| | 12 | | | | | | 4 | | |
| | 15 | | | | | | 7 | | |
| | 14 | NP | 5 | | | | 12 | 2.5B | 19 |
| | 2 | | | | | | 5 | | |
| | 3 | | | | | | 11 | | |
| | 5 | 2.2B | 18 | | | | 15 | 2.5B | 17 |
| | 2 | | | | | | 4 | | |
| | 4 | | | | | | 8 | | |
| | 6 | 3.4B | 19 | | | | 10 | 3.4B | 20 |
| | 5 | | | | | | 4 | | |
| | 8 | | | | | | 8 | | |
| | 10 | 2.7B | 17 | | | | 12 | 2.5B | 21 |
| | 5 | | | | | | 4 | | |
| | 6 | | | | | | 6 | | |
| | 8 | 3.4B | 21 | | | | 8 | 3.4B | 21 |
| | 6 | | | | | | 4 | | |
| | 8 | | | | | | 7 | | |
| | 12 | 4.2B | 18 | | | | 12 | 2.8B | 21 |
| | 2 | | | | | | 2 | | |
| | 9 | | | | | | 9 | | |
| | 10 | 6.4B | 17 | | | | 10 | 6.4B | 17 |
| | 3 | | | | | | 3 | | |
| | 6 | | | | | | 6 | | |
| | 7 | 3.5B | 18 | | | | 7 | 3.5B | 18 |

CRUSHED ASPHALT & STONE-very loose (Fill)

CLAY-brown & gray-very stiff to hard (A-6) Fill

CLAY-brown & gray-very stiff to hard (A-6) Fill

CLAY-brown & gray-very stiff (A-6)

CLAY-brown & gray-very stiff (A-6)

End of Boring @ -35.0'
Boring Grouted Upon Completion
Hollow Stem Augers
CME-55

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

| | | | | |
|---------------------|---------------|------------------|--------------|-----------|
| CONTRACT NO. 62877 | | | | |
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 290 | 0305-302K-L-3 | COOK | 55 | 50 |
| STA. 24+85 | | TO STA. 121+25 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |
| CONTRACT NO. 62877 | | | | |

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

FAI 290/FAP 342 (I-290IL 53)
IL 62 (ALGONQUIN ROAD)
TO IL 72 (HIGGINS ROAD)
BORING LOG I

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY