



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION FAI Rt 57 over Danforth #3 Drainage Ditch LOGGED BY HWB

SECTION (38-3,4)RS-2, (38-4)BR1 LOCATION NE 1/4, SE 1/4, SEC. 18, TWP. 27N, RNG. 11E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual Hammer

| STRUCT. NO. 038-0158 Station 399+18.5 | D E P T H S | B L O W S | U C S | M O I S T | Surface Water Elev. Stream Bed Elev. 643.92 ft | D E P T H S | B L O W S | U C S | M O I S T | Groundwater Elev.: First Encounter None ft Upon Completion 71 Hrs. 546.1 ft |
|---|----------------------------|-----------------------|-------------|-----------------------|---|----------------------------|-----------------------|-------------|-----------------------|---|
| | | | | | | | | | | |
| | | | | | | 16 | 2.9 | 21.0 | | Very Stiff Gray CLAY (Till) (continued) |
| | | | | | | 11 | 2.0 | 24.0 | | |
| | | | | | | 19 | 2.7 | 22.0 | | |
| | | | | | | 17 | --- | --- | | |
| | | | | | | 23 | 7.8 | 19.0 | | Medium Yellowish Brown Fine to Coarse Rounded SAND |
| | | | | | | 17 | --- | --- | | |
| | | | | | | 15 | 2.7 | 20.0 | | Hard Gray CLAY (Till) |
| | | | | | | 14 | 2.5 | 21.0 | | |
| | | | | | | 13 | 2.7 | 22.0 | | |
| | | | | | | 11 | 2.7 | 21.0 | | |
| | | | | | | 16 | 2.5 | 21.0 | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

BORING #3



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION FAI Rt 57 over Danforth #3 Drainage Ditch LOGGED BY HWB

SECTION (38-3,4)RS-2, (38-4)BR1 LOCATION NE 1/4, SE 1/4, SEC. 18, TWP. 27N, RNG. 11E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual Hammer

| STRUCT. NO. 038-0158 Station 399+18.5 | D E P T H S | B L O W S | U C S | M O I S T | Surface Water Elev. Stream Bed Elev. 643.82 ft | D E P T H S | B L O W S | U C S | M O I S T | Groundwater Elev.: First Encounter None ft Upon Completion 71 Hrs. 546.1 ft |
|---|----------------------------|-----------------------|-------------|-----------------------|---|----------------------------|-----------------------|-------------|-----------------------|---|
| | | | | | | | | | | |
| | | | | | | 13 | 3.1 | 21.0 | | Very Stiff Gray CLAY (Till) (continued) |
| | | | | | | 17 | 3.1 | 20.0 | | |
| | | | | | | 15 | 3.5 | 22.0 | | |
| | | | | | | 19 | --- | --- | | |
| | | | | | | 17 | 2.9 | 22.0 | | Medium Gray Coarse Angular SAND |
| | | | | | | 19 | --- | --- | | |
| | | | | | | 14 | 1.8 | 24.0 | | Very Stiff Gray CLAY (Till) |
| | | | | | | 17 | 2.9 | 22.0 | | |
| | | | | | | 16 | 2.7 | 20.0 | | Stiff Gray CLAY (Till) |
| | | | | | | 14 | 1.8 | 24.0 | | |
| | | | | | | 16 | 2.7 | 20.0 | | Very Stiff Gray CLAY (Till) |
| | | | | | | 16 | 2.7 | 20.0 | | End of Boring |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

BORING #5



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION FAI Rt 57 over Danforth #3 Drainage Ditch LOGGED BY Larry Myers

SECTION (38-3,4)RS-2, (38-4)BR1 LOCATION NE 1/4, SE 1/4, SEC. 18, TWP. 27N, RNG. 11E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. 038-2020 Station 399+18.5 | D E P T H S | B L O W S | U C S | M O I S T | Surface Water Elev. Stream Bed Elev. 642.55 ft | D E P T H S | B L O W S | U C S | M O I S T | Groundwater Elev.: First Encounter None ft Upon Completion 9 Hrs. 654.91 ft |
|---|----------------------------|-----------------------|-------------|-----------------------|---|----------------------------|-----------------------|-------------|-----------------------|---|
| | | | | | | | | | | |
| | | | | | | 5 | 3.4 | 21.4 | | Augered Very stiff, gray, Silty Clay Till (continued) |
| | | | | | | 3 | --- | --- | | |
| | | | | | | 3 | 2.0 | 20.0 | | Very stiff, brown/gray/black, Silty Clay Loam Fill |
| | | | | | | 4 | 3.0 | 19.7 | | |
| | | | | | | 2 | --- | --- | | |
| | | | | | | 4 | 3.5 | 18.4 | | |
| | | | | | | 6 | --- | --- | | |
| | | | | | | 5 | 6.0 | 18.1 | | Hard, brown/gray, Silty Clay/Silty Clay Loam Till |
| | | | | | | 8 | --- | --- | | |
| | | | | | | 9 | 6.0 | 18.6 | | |
| | | | | | | 12 | --- | --- | | |
| | | | | | | 5 | 5.3 | 19.8 | | |
| | | | | | | 10 | --- | --- | | |
| | | | | | | 3 | --- | --- | | End of Boring |
| | | | | | | 5 | 3.5 | 19.1 | | Very stiff, gray, Silty Clay Till |
| | | | | | | 7 | --- | --- | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

| | |
|----------|-----------------|
| DESIGNED | S.F.M. |
| CHECKED | J.A.M. |
| DRAWN | S.A.P. |
| CHECKED | S.F.M. & J.A.M. |



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION FAI Rt 57 over Danforth #3 Drainage Ditch LOGGED BY HWB

SECTION (38-3,4)RS-2, (38-4)BR1 LOCATION NE 1/4, SE 1/4, SEC. 18, TWP. 27N, RNG. 11E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual Hammer

| STRUCT. NO. 038-0159 Station 399+18.5 | D E P T H S | B L O W S | U C S | M O I S T | Surface Water Elev. Stream Bed Elev. 643.82 ft | D E P T H S | B L O W S | U C S | M O I S T | Groundwater Elev.: First Encounter None ft Upon Completion 71 Hrs. 546.1 ft |
|---|----------------------------|-----------------------|-------------|-----------------------|---|----------------------------|-----------------------|-------------|-----------------------|---|
| | | | | | | | | | | |
| | | | | | | 9 | 1.5 | 20.0 | | Stiff Brownish Black CLAY |
| | | | | | | 11 | 2.7 | 20.0 | | |
| | | | | | | 12 | 2.3 | 21.0 | | Very Stiff Yellowish Brown & Black CLAY |
| | | | | | | 18 | 2.5 | 19.0 | | |
| | | | | | | 12 | 1.2 | 24.0 | | Stiff Brown & Gray CLAY |
| | | | | | | 12 | 3.3 | 20.0 | | |
| | | | | | | 14 | 2.7 | 19.0 | | Very Stiff Brown & Gray CLAY (TILL) |
| | | | | | | 14 | 2.7 | 19.0 | | |
| | | | | | | 28 | 9.3 | 19.0 | | Hard Brown & Gray CLAY (TILL) |
| | | | | | | 15 | 4.5 | 18.0 | | |
| | | | | | | 14 | 6.2 | 18.0 | | Hard Gray CLAY (TILL) |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

BORING #4



SOIL BORING LOG

ROUTE FAI 57 (I-57) DESCRIPTION FAI Rt 57 over Danforth #3 Drainage Ditch LOGGED BY HWB

SECTION (38-3,4)RS-2, (38-4)BR1 LOCATION NE 1/4, SE 1/4, SEC. 18, TWP. 27N, RNG. 11E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual Hammer

| STRUCT. NO. 038-0159 Station 399+18.5 | D E P T H S | B L O W S | U C S | M O I S T | Surface Water Elev. Stream Bed Elev. 643.82 ft | D E P T H S | B L O W S | U C S | M O I S T | Groundwater Elev.: First Encounter None ft Upon Completion 71 Hrs. 546.1 ft |
|---|----------------------------|-----------------------|-------------|-----------------------|---|----------------------------|-----------------------|-------------|-----------------------|---|
| | | | | | | | | | | |
| | | | | | | 11 | 1.9 | 21.0 | | Very Stiff Gray CLAY (TILL) (continued) |
| | | | | | | 11 | 1.9 | 21.0 | | |
| | | | | | | 13 | 2.3 | 21.0 | | Very Stiff Gray CLAY (TILL) |
| | | | | | | 13 | 2.5 | 21.0 | | |
| | | | | | | 13 | 2.5 | 21.0 | | |
| | | | | | | 12 | 2.1 | 21.0 | | |
| | | | | | | 12 | 2.3 | 21.0 | | End of Boring |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

SOIL BORING LOGS
I-57 OVER
DANFORTH TOWNSHIP DRAINAGE DITCH
F.A.I. ROUTE 57
SECTION (38-4)RS-2, (38-4)BR1
IROQUOIS COUNTY
STATION 399+21.00
S.N. 038-2020