STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

## Testing Service Corporation

STRUCTURE BORING LOG



Date Started 7/17/09
Date Completed 7/17/09

ROUTE _____ DESCRIPTION Bridge & Culvert

SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-73,706

COUNTY McHenry LOCATION Edgewood Drive S. 33SE , TWP. 43N , RNG. 8E

Boring No. 4
Station _____
Offset _____ ft
Surface Elev. 777.00 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 762.0
at Completion 752.0
after _____ Hrs. _____

| | DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|---|
| 7" Bituminous Concrete 776.40 | | | | |
| FILL - SAND and GRAVEL Base 775.50 | | | | |
| FILL - Brown and dark brown silty CLAY, little sand and gravel, very moist (CL) A-6 | | 4 7 9 | P 0.5 | 12.3 |
| | | 6 2 4 | B 0.46 15% | 11.9 |
| | -5 | | | |
| | | 1 2 3 | B 0.33 15% | 14.0 |
| | | 1 1 2 | B 0.12 15% | 19.2 |
| | -10 | | | |
| 766.50 | | | | |
| FILL - Brown and dark brown silty CLAY, little sand, trace gravel, very moist (CL) A-7-6 | | 1 1 3 | B 0.08 15% | 26.8 |
| | | 1 2 2 | B 0.12 15% | 24.6 |
| | -15 | | | |
| 761.50 | | | | |
| Hard silty CLAY, little to some sand and gravel, occasional Cobbles, moist (CL) A-6 | | 20 41 50/3" | P 4.5 | 10.2 |
| | | 12 22 24 | B 7.49 15% | 9.5 |
| | -20 | | | |
| | | 10 16 23 | B 6.54 15% | 11.8 |
| | | 20 20 21 | P 4.5 | 10.8 |
| | -25 | | | |

[continued]

| | DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|---|
| Hard silty CLAY, little to some sand and gravel, moist (CL) A-6 | | 14 18 18 | B 5.51 15% | 11.8 |
| 747.00 | -30 | | | |
| | | 10 14 32 | P 4.5 | 12.2 |
| End of Boring at 30.0' | | | | |
| | -35 | | | |
| | -40 | | | |
| | -45 | | | |
| | -50 | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

ILDOT_BORING 73706.GPJ IDOT.GDT 7/28/09

## Testing Service Corporation

STRUCTURE BORING LOG



Date Started 7/17/09
Date Completed 7/17/09

ROUTE _____ DESCRIPTION Bridge & Culvert

SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-73,706

COUNTY McHenry LOCATION Edgewood Drive S. 33SE , TWP. 43N , RNG. 8E

Boring No. 5
Station _____
Offset _____ ft
Surface Elev. 777.20 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 764.2
at Completion 755.2
after _____ Hrs. _____

| | DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|---|
| FILL - Crushed Stone 776.70 | | | | |
| FILL - Dark brown sandy CLAY, trace gravel, very moist (CL-ML) A-6 | | 4 4 4 | P 0.5 | 10.1 |
| 774.20 | | | | |
| FILL - Brown and black silty CLAY, little sand, trace organic, very moist (CL/CH) A-7-6 | | 2 3 4 | P 0.75 | 28.0 |
| 771.70 | -5 | | | |
| FILL - Brown silty SAND and GRAVEL, moist (SM/GM) A-2-4 | | 2 4 5 | | 10.2 |
| 769.20 | | | | |
| Very stiff to stiff brown and gray silty CLAY, little to some sand and gravel, moist (CL) A-6 | | 4 5 6 | B 3.23 15% | 9.7 |
| | -10 | | | |
| | | 4 5 11 | B 1.53 15% | 11.3 |
| 764.20 | | | | |
| Hard to very stiff gray silty CLAY, little to some sand and gravel, occasional sand seams, occasional Cobbles, moist (CL) A-6 | | 8 11 12 | B 4.06 15% | 9.8 |
| | -15 | | | |
| | | 11 23 36 | P 4.5+ | 10.4 |
| | | 22 36 50/5" | B 4.85 15% | 9.6 |
| | -20 | | | |
| | | 10 14 27 | P 4.5+ | 10.3 |
| | | 10 12 17 | B 5.88 15% | 9.9 |
| | -25 | | | |

[continued]

| | DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|---|
| Hard to very stiff gray silty CLAY, little to some sand and gravel, occasional sand seams, occasional Cobbles, moist (CL) A-6 | | 27 33 44 | B 3.64 15% | 9.8 |
| 747.20 | -30 | | | |
| | | 5 7 12 | B 2.15 15% | 10.3 |
| End of Boring at 30.0' | | | | |
| | -35 | | | |
| | -40 | | | |
| | -45 | | | |
| | -50 | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

ILDOT_BORING 73706.GPJ IDOT.GDT 7/28/09

| | |
|---|---|
| DESIGNED | - |
| CHECKED | - |
| DRAWN | - |
| CHECKED | - |

200

EXAMINED _____
ENGINEER OF BRIDGE DESIGN

PASSED _____
ENGINEER OF BRIDGES AND STRUCTURES

*SOIL BORINGS*
*EDGEWOOD DRIVE OVER*
*RATT CREEK TRIBUTARY*
*F.A.U. RTE. 4010*
*SECTION 09-00078-00-WR*
*MCHENRY COUNTY*
*STA. 129+49.07*

| SHEET NO. S-6 SHEETS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|---|
| | 4010 | 09-00078-00-WR | McHENRY | 128 | 85 |
| | | | CONTRACT NO. 63655 | | |
| | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

N:\ALGONQUIN\070273.00026\Struct\C-070273.00026-S6.SHT