STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| U.S. 45 | 34 BR-1 | IROQUIS COUNTY | 37 | 19 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

CONTRACT # 66411

SHEET NO. 7
8 SHEETS

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 1 of 2

Date 7/15/04

ROUTE FAS 338 (US 45) DESCRIPTION US 45 over Louis Creek, 1.7 mile N. of Buckley LOGGED BY Larry Myers

SECTION 34 BR-1 LOCATION SW 1/4, SEC. 14, TWP. 25, RNG. 10, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 038-0043
Station 1898+13

BORING NO. 1 South Abutment
Station 1898+71
Offset 15.00ft Rt
Ground Surface Elev. 675.57 ft

Surface Water Elev. 661.57 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | | | |
| Augered white shoulder stone over Brown Sandy Clay Loam (FILL) | | | |
| 673.57 | | | |
| Stiff Black/Brown Sandy Clay Loam (FILL) | 1 | 2.0 | 25.9 |
| | 1 | P | |
| | 2 | | |
| -5 | 1 | | |
| | 2 | 1.5 | 26.8 |
| | 2 | P | |
| 669.07 | | | |
| Stiff Black Silty Clay Loam (FILL) | 1 | | |
| | 2 | 1.5 | 30.7 |
| | 3 | P | |
| -10 | 2 | | |
| | 2 | 1.5 | 28.2 |
| | 3 | P | |
| | 1 | | |
| | 2 | 1.5 | 25.5 |
| | 2 | P | |
| 661.57 | | | |
| Hard Gray Silty Clay Loam Till | | | |
| -15 | 8 | | |
| | 11 | >4.5 | 17.0 |
| | 14 | P | |
| 659.07 | | | |
| Very Stiff Gray Clay Till | 3 | | |
| | 5 | 3.6 | 21.1 |
| | 9 | B | |
| 656.57 | | | |
| Stiff Gray Clay Till | | | |
| -20 | 2 | | |
| Stiff Gray Clay Till (continued) | | | |
| | 3 | 1.8 | 25.4 |
| | 4 | B | |
| | 2 | | |
| -25 | woh | | |
| | 2 | 1.1 | 26.5 |
| | 3 | B | |
| | woh | | |
| | 1 | 1.1 | 26.2 |
| | 2 | B | |
| -30 | woh | | |
| | 2 | 1.0 | 27.4 |
| | 3 | B | |
| 644.07 | | | |
| Medium Gray Clay Till | woh | | |
| | 2 | 0.5 | 30.3 |
| | 3 | B | |
| 641.57 | | | |
| Very Stiff Gray Sandy Clay Loam Till | | | |
| -35 | 2 | | |
| | 6 | 2.7 | 14.6 |
| | 7 | S | |
| | 3 | | |
| | 5 | 2.9 | 13.4 |
| | 8 | S | |
| 635.57 -40 | 2 | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 2 of 2

Date 7/15/04

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STRUCT. NO. 038-0043
Station 1898+13

BORING NO. 1 South Abutment
Station 1898+71
Offset 15.00ft Rt
Ground Surface Elev. 675.57 ft

Surface Water Elev. 661.57 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | | | |
| Medium Brown Fine to Medium Sand - slightly loamy | 7 | | |
| | 7 | | 20.4 |
| 633.57 | | | |
| Melum Gray Clay Loam Till | 2 | | |
| | 2 | 0.8 | 15.3 |
| | 5 | P | |
| -45 | 1 | | |
| | 3 | 0.5 | 15.3 |
| | 5 | B | |
| 629.07 | | | |
| Hard Gray Clay Loam Till | 4 | | |
| | 8 | 5.6 | 12.5 |
| | 12 | S | |
| 626.57 | | | |
| Very Stiff Gray Clay Loam Till | | | |
| -50 | 5 | | |
| | 8 | 2.7 | 13.4 |
| | 10 | B | |
| 623.07 | | | |
| Hard Gray Clay Loam Till | | | |
| -55 | 7 | | |
| | 16 | 5.0 | 9.4 |
| | 18 | S | |
| 618.57 | | | |
| Hard Brown Sandy Clay Loam Till | | | |
| -60 | 7 | | |
| Hard Brown Sandy Clay Loam Till (continued) | | | |
| | 12 | 11.3 | 8.9 |
| | 28 | S | |
| -65 | 11 | | |
| | 20 | 10.7 | 7.4 |
| | 25 | S | |
| 609.57 | | | |
| End of Boring | | | |
| -70 | | | |
| -75 | | | |
| -80 | | | |

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 | M.R./R.A. |
| CHECKED | H.T. |
| DRAWN | J.S. |
| CHECKED | H.T./M.R. |

SOIL BORING LOGS, 1 OF 2

U.S. 45 OVER LOUIS CREEK
FAS ROUTE 338 (U.S 45), SECTION 34 BR-1
IROQUOIS COUNTY
STATION 1898+10.00
STRUCTURE NO. 038-0212

SCALE: NONE DATE: OCTOBER, 2006

Soodan

Soodan & Associates, Inc.
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