STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech
A tyco International Ltd. Company

| F.A.P. ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 786 | 109 BR | La Salle | 351 | 199 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO.
SHEETS

Contract # 66607

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

## SOIL BORING LOG

Page 1 of 1

Date 3/16/05

ROUTE DuPont Road DESCRIPTION Seneca River Bridge Retaining wall LOGGED BY DM/LM

SECTION LOCATION SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. 3
Station 23+13
Offset 26.00ft Lt
Ground Surface Elev. 491.96 ft

Surface Water Elev. 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 Brown Sandy Clay Loam Fill | | | |
| 489.96 | | | |
| Stiff Brown Sacndy Clay Loam/ Sandy Loam Fill | 2 | | |
| 488.46 | 2 | 1.5 | 9.9 |
| Very Loose Brown Fine to Coarse sand with minor pieces of Brown Micaceous Sand Stone | 2 | P | |
| -5 | 1 | | |
| Sand Cave in at 5.5' after augers removed | 2 | | 11.6 |
| | 2 | | |
| | 1 | | |
| | 1 | | 26.5 |
| 482.96 | 1 | | |
| Medium Brown Fine to Coarse Sand with minor pieces of Brown Micaceous Sand Stone | 4 | | |
| -10 | 5 | | 20.7 |
| Sample washed from 12'-19' | 5 | | |
| | 4 | | |
| | 7 | | 19.9 |
| | 13 | | |
| -15 | 4 | | |
| | 9 | | 23.2 |
| | 15 | | |
| | 3 | | |
| | 8 | | 18.7 |
| | 15 | | |
| 472.96 | | | |
| -20 | 7 | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Very Dense Brown Fine To Coarse Sand. | 21 | | 18.6 |
| 470.96 | 35 | | |
| Sampled washed from 19' to 21 (continued) | | | |
| End of Boring | | | |
| -25 | | | |
| -30 | | | |
| -35 | | | |
| -40 | | | |

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
District #3, Ottawa

## SOIL BORING LOG

Page 1 of 1

Date 3/17/05

ROUTE DuPont Road DESCRIPTION East End of Retaining Wall LOGGED BY DM/LM

SECTION Seneca River Bridge Retaining wall LOCATION SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. 4
Station 24+19
Offset 6.00ft Lt
Ground Surface Elev. 495.53 ft

Surface Water Elev. 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 Brown Fine/ Coarse Sand with Large Gravel pieces ( Fill) | | | |
| 493.03 | | | |
| Medium Brown Fine/ Coarse Sand with up to Large Gravel ( minor) (Fill) | 5 | | |
| | 8 | | 4.7 |
| | 9 | | |
| 491.03 | | | |
| -5 | | | |
| Very Loose Brown Fine To Coarse Sand with Minor Fine Coarse Gravel (Fill?) | 1 | | |
| | 1 | | 6.7 |
| Sand Cave in at 8.5' after auger removal | 2 | | |
| | 1 | | |
| | 1 | | 7.5 |
| 486.03 | 2 | | |
| -10 | | | |
| Loose Brown Fine to Coarse Sand with Minor Fine Medium Gravel with free water at 10' | 1 | | |
| | 3 | | 23.0 |
| | 3 | | |
| 483.53 | | | |
| Medium Brown Fine/ Coarse sand with minor Fine/ Medium Gravel | 5 | | |
| | 6 | | 20.9 |
| Samples washed from 12.5' to 21.5' | 7 | | |
| -15 | | | |
| | 7 | | |
| | 8 | | 16.9 |
| | 8 | | |
| | 3 | | |
| | 6 | | 19.8 |
| | 13 | | |
| -20 | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | 7 | | |
| | 9 | | 21.6 |
| 474.03 | 15 | | |
| End of Boring | | | |
| -25 | | | |
| -30 | | | |
| -35 | | | |
| -40 | | | |

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 | - |
| CHECKED | - |
| DRAWN | - JHR |
| CHECKED | - |

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

SOIL BORING LOG # 3 & 4
FOR RETAINING WALL
ILLINOIS RIVER AT SENECA
LA SALLE COUNTY,
SECTION 109 BR