

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                      |         |             |              |           |
|----------------------|---------|-------------|--------------|-----------|
| ROUTE NO.            | SECTION | COUNTY      | TOTAL SHEETS | SHEET NO. |
| 595                  | 1-1     | ROCK ISLAND | 239          | 128       |
| PROJECT NO. 081-0006 |         | ILLINOIS    | PROJECT      |           |
| Contract No. B4906   |         |             |              |           |



Illinois Department  
of Transportation  
Division of Highways  
District 2, Dixon

SOIL BORING LOG

Page 1 of 1

Date 7/28/03

ROUTE FA 595 DESCRIPTION D92-118-94 Retaining Wall, IL 5 Blackhawk Road In Rock Island LOGGED BY C. Jenkins  
SECTION 1-1 LOCATION South Rock Island Twp. - 13 SW. SEC. TWP. 17N. RNG. 2W  
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO.                                     | DEPTH  | BULGE  | UCS   | MOISTURE | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev. |
|---|--------|--------|-------|----------|---------------------|------------------|-------------------|
| Station   | (ft)   | (/6")  | (tsf) | (%)      | None ft             | None ft          | First Encounter   |
| B-3<br>78+50<br>23.00ft LI CL<br>583.9          |        |        |       |          |                     |                  | 578.9 ft          |
| MEDIUM brown SILTY LOAM with GRAVEL             |        |        | 0.8 P | 13       |                     |                  |                   |
| STIFF gray SILTY CLAY with a SAND & GRAVEL lens | 581.40 | 2      | 3 P   | 1.6      |                     |                  |                   |
| DENSE Gray fine grained sugar SAND (sandstone)  | 579.40 | 9      | 15    |          |                     |                  |                   |
| VERY DENSE gray SHALE                           | 574.00 | 45     | 37    |          |                     |                  |                   |
| Auger Refusal                                   | 574.15 | 100/9" |       |          |                     |                  |                   |
| 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)

|          |              |
|----------|--------------|
| DESIGNED | NDR          |
| CHECKED  | DSE          |
| DRAWN    | RTT          |
| CHECKED  | DSE          |
| DATE     | JAN 31, 2006 |



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| STRUCT. NO.   | DEPTH  | BULGE | UCS   | MOISTURE | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev. |
|---|--------|-------|-------|----------|---------------------|------------------|-------------------|
| Station   | (ft)   | (/6") | (tsf) | (%)      | None ft             | None ft          | First Encounter   |
| B-4<br>78+53<br>95.00ft LI CL<br>612.5              |        |       |       |          |                     |                  | None ft           |
| STIFF brown SILTY LOAM                              |        |       | 1.6 P | 10       |                     |                  |                   |
| MEDIUM tan SILT                                     | 611.00 | 2     | 3 S   | 0.6      |                     |                  |                   |
| HARD tan SILT                                       | 609.50 | 6     | 7 P   | 4.5+     |                     |                  |                   |
| MEDIUM tan SILT                                     | 607.00 | 5     | 5 S   | 0.8      |                     |                  |                   |
| LOOSE tan fine grained sugar SAND (sandstone)       | 604.00 | 5     | 4     |          |                     |                  |                   |
| MEDIUM tan/gray fine grained sugar SAND (sandstone) | 602.00 | 4     | 7     |          |                     |                  |                   |
| VERY STIFF gray SILTY CLAY with ORGANICS            | 599.00 | 6     | 5 S   | 3.9      |                     |                  |                   |
| STIFF gray SILTY LOAM with SAND lenses              | 597.00 | 9     | 9 S   | 1.4      |                     |                  |                   |
| MEDIUM orange SAND & GRAVEL                         | 584.00 | 10    | 10    |          |                     |                  |                   |

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BBS, from 137 (Rev. 8-99)

Illinois Firm Registration No. 04-00533



SOIL BORING LOGS B-3 AND B-4  
RETAINING WALL D ALONG  
IL ROUTE 5  
FA 595 (IL ROUTE 5) SECTION 1-1  
ROCK ISLAND COUNTY  
STA 76+50.00 TO STA 81+70.00  
STRUCTURE NO. 081-W006