



Illinois Department of Transportation  
Division of Highways  
Illinois Dept. of Transportation

SOIL BORING LOG

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Date 3/20/03

ROUTE FAP 332, ILL. RTE. 394 DESCRIPTION Noise Wall, IL 394 & Village Woods Drive LOGGED BY J. Stewart

SECTION 2002-113R LOCATION SEC. 33, TWP. 34, RNG. 14, 3rd PM

COUNTY Will DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME AUTOMATIC

| STRUCT. NO.   | D    | B        | U     | M   | Surface Water Elev.       | D   | B        | U     | M   |
|---|------|----------|-------|-----|---------------------------|-----|----------|-------|-----|
| Station   | E    | L        | C     | O   | Stream Bed Elev.          | E   | L        | C     | O   |
| BORING NO.  | P    | O        | S     | I   | Groundwater Elev.:        | P   | O        | S     | I   |
| Station   | T    | W        | S     | S   | First Encounter           | T   | W        | S     | S   |
| Offset  | H    | S        | Qu    | T   | Upon Completion           | H   | S        | Qu    | T   |
| Ground Surface Elev.  | (m)  | (150 mm) | (kPa) | (%) | After Hrs.                | (m) | (150 mm) | (kPa) | (%) |
| Topsoil (sample taken from auger)                           |      |          |       |     | Grades wSand & Silt Seams | 3   |          |       |     |
| 226.28  |      |          |       | 30  | Grades wmore SILT         | 3   | 240      | 19    |     |
|   |      |          |       |     |                           | 4   | B        |       |     |
| Stiff Mottled Gray-Brown SILTY CLAY wtrace sand and pebbles | 2    |          |       |     |                           | 4   |          |       |     |
|   | 3    | 163      | 23    |     | End of Boring             | 7   | 307      | 20    |     |
|   | 4    | B        |       |     |                           | 6   | S @      |       |     |
| 225.52  |      |          |       |     |                           |     |          | 13%   |     |
| Medium Stiff Black wtrace Brown SILTY CLAY                  | -1.5 |          |       |     |                           |     |          |       |     |
|   | 2    |          |       |     |                           |     |          |       |     |
|   | 2    | 96       | 32    |     |                           |     |          |       |     |
|   | 3    | B        |       |     |                           |     |          |       |     |
| Grades to Mottled Gray-Brown-Black                          | 2    |          |       |     |                           |     |          |       |     |
|   | 2    | 86       | 35    |     |                           |     |          |       |     |
|   | 3    | B        |       |     |                           |     |          |       |     |
|   | -3.0 |          |       |     |                           |     |          |       |     |
|   | 0    |          |       |     |                           |     |          |       |     |
|   | 1    | 86       | 45    |     |                           |     |          |       |     |
|   | 3    | B        | 27    |     |                           |     |          |       |     |
| 223.23  |      |          |       |     |                           |     |          |       |     |
| Stiff to Very Stiff Brown and Gray SILTY CLAY               | 3    |          |       |     |                           |     |          |       |     |
|   | 3    | 134      | 19    |     |                           |     |          |       |     |
|   | 6    | B        |       |     |                           |     |          |       |     |
|   | -4.5 |          |       |     |                           |     |          |       |     |
| Grades to Gray wtrace pebbles                               | 2    |          |       |     |                           |     |          |       |     |
|   | 4    | 240      | 19    |     |                           |     |          |       |     |
|   | 5    | B        |       |     |                           |     |          |       |     |
|   | 2    |          |       |     |                           |     |          |       |     |
|   | 3    | 144      | 18    |     |                           |     |          |       |     |
|   | 4    | B        |       |     |                           |     |          |       |     |
| 220.89  | -6.0 |          |       |     |                           |     |          |       |     |

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)



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ROUTE FAP 332, ILL. RTE. 394 DESCRIPTION Noise Wall, IL 394 & Village Woods Drive LOGGED BY J. Stewart

SECTION 2002-113R LOCATION SEC. 33, TWP. 34, RNG. 14, 3rd PM

COUNTY Will DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME AUTOMATIC

| STRUCT. NO.                                | D    | B        | U     | M   | Surface Water Elev. | D   | B        | U     | M   |
|--|------|----------|-------|-----|---------------------|-----|----------|-------|-----|
| Station                                    | E    | L        | C     | O   | Stream Bed Elev.    | E   | L        | C     | O   |
| BORING NO.                                 | P    | O        | S     | I   | Groundwater Elev.:  | P   | O        | S     | I   |
| Station                                    | T    | W        | S     | S   | First Encounter     | T   | W        | S     | S   |
| Offset                                     | H    | S        | Qu    | T   | Upon Completion     | H   | S        | Qu    | T   |
| Ground Surface Elev.                       | (m)  | (150 mm) | (kPa) | (%) | After Hrs.          | (m) | (150 mm) | (kPa) | (%) |
| Topsoil                                    |      |          |       |     | Grades wGray        | 6   |          |       |     |
| 228.37                                     |      |          |       |     |                     | 8   | 594      | 18    |     |
| Very Stiff Brown SILTY CLAY wtrace pebbles |      |          |       | 20  |                     | 11  | B        |       |     |
|  |      |          |       |     | End of Boring       |     |          |       |     |
|  | 5    |          |       |     |                     |     |          |       |     |
|  | 5    | 345      | 18    |     |                     |     |          |       |     |
|  | 5    | S @      |       |     |                     |     |          |       |     |
|  |      | 14%      |       |     |                     |     |          |       |     |
|  | -1.5 |          |       |     |                     |     |          |       |     |
|  | 4    |          |       |     |                     |     |          |       |     |
|  | 4    | 316      | 19    |     |                     |     |          |       |     |
|  | 9    | S @      |       |     |                     |     |          |       |     |
|  |      | 14%      |       |     |                     |     |          |       |     |
| Grades to Mottled Gray and Brown, Hard     | 6    |          |       |     |                     |     |          |       |     |
|  | 9    | 671      | 16    |     |                     |     |          |       |     |
|  | 12   | S @      |       |     |                     |     |          |       |     |
|  |      | 12%      |       |     |                     |     |          |       |     |
|  | -3.0 |          |       |     |                     |     |          |       |     |
|  | 6    |          |       |     |                     |     |          |       |     |
|  | 9    | 613      | 18    |     |                     |     |          |       |     |
|  | 13   | S @      |       |     |                     |     |          |       |     |
|  |      | 12%      |       |     |                     |     |          |       |     |
|  | 5    |          |       |     |                     |     |          |       |     |
|  | 7    | 594      | 19    |     |                     |     |          |       |     |
|  | 10   | B        |       |     |                     |     |          |       |     |
|  | -4.5 |          |       |     |                     |     |          |       |     |
| Grades to Brown                            | 5    |          |       |     |                     |     |          |       |     |
|  | 9    | 728      | 18    |     |                     |     |          |       |     |
|  | 13   | B        |       |     |                     |     |          |       |     |
|  | 4    |          |       |     |                     |     |          |       |     |
|  | 8    | 575      | 17    |     |                     |     |          |       |     |
|  | 10   | B        |       |     |                     |     |          |       |     |
| 222.60                                     | -6.0 |          |       |     |                     |     |          |       |     |

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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)

| <p>Excellence through Ownership</p> <p>200 West Front Street<br/>Wheaton, IL 60187</p> | REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br><br>IL RTE. 394 AT IL RTE. 1<br>NOISE ABATEMENT WALL<br>SOIL BORINGS<br><br>DRAWN BY JTT<br>CHECKED BY BLB<br>DATE 8/20/2009 |
|--|-----------|------|---|
|  | NAME      | DATE |   |
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