


BORING LOGS

STA. 323 + 50

SN 081-1115



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 6/7/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.3 m. S. of IL 192 and Taylor Ridge LOGGED BY W. Garza


SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19NW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. Station | D E P T H | B L O W S | U C S Qu | M O I S T | Surface Water Elev. Stream Bed Elev. | Dry ft ft | D E P T H | B L O W S | U C S Qu | M O I S T |
|--|-----------------------|-----------------------|-------------------|-----------------------|--|-----------------|-----------------------|-----------------------|-------------------|-----------------------|
| | | | | | | | | | | |
| BORING NO. <u>B-1d</u> Station <u>629+27</u> Offset <u>62.00ft Lt CL</u> Ground Surface Elev. <u>86.30</u> ft | | | | | Groundwater Elev.: First Encounter <u>73.8</u> ft Upon Completion <u>52.3</u> ft After _____ Hrs. | | | | | |
| MEDIUM brown SILTY CLAY LOAM | | | 0.5 P | 19.0 | VERY STIFF gray CLAY LOAM TILL | | 5 | | | |
| | | | | | | 64.80 | 7 | 3.3 | 13.0 | |
| | | | | | | | 12 | B | | |
| STIFF brown SILTY CLAY LOAM | 83.80 | 3 | | | VERY STIFF gray CLAY LOAM TILL | | 5 | | | |
| | | 4 | 1.2 | 26.0 | | | 7 | 2.3 | 16.0 | |
| | 82.30 | 5 | B | | | 62.30 | 8 | B | | |
| MEDIUM brown SILTY CLAY LOAM | | 1 | | | VERY STIFF gray CLAY LOAM TILL | | 5 | | | |
| | | 3 | 0.9 | 27.0 | | | 6 | 2.8 | 17.0 | |
| | 79.80 | 4 | B | | | 59.80 | 7 | B | | |
| SOFT tan SILTY CLAY | | 1 | | | STIFF gray LOAM TILL with SILT lens | | 4 | | | |
| | | 1 | 0.4 | 25.0 | | | 6 | 1.4 | 19.0 | |
| | 77.30 | 2 | B | | | 57.30 | 8 | B | | |
| SOFT tan LOAM | | 1 | | | STIFF gray LOAM TILL | | 2 | | | |
| | | 1 | 0.3 | 25.0 | | | 6 | 1.6 | 17.0 | |
| | 74.80 | 2 | B | | | 54.80 | 7 | B | | |
| MEDIUM tan LOAM | | 0 | | | VERY STIFF gray LOAM TILL | | 3 | | | |
| | | 1 | 0.6 | 22.0 | | | 6 | 2.1 | 19.0 | |
| | 71.80 | 2 | B | | | 52.30 | 8 | B | | |
| STIFF tan SILTY CLAY LOAM TILL | | 1 | | | VERY STIFF gray SILTY CLAY TILL | | 3 | | | |
| | | 2 | 1.3 | 18.0 | | | 5 | 2.1 | 20.0 | |
| | 69.80 | 5 | B | | | 49.80 | 7 | B | | |
| | | | | | End of Boring | | | | | |
| STIFF gray SILTY CLAY TILL | | 3 | | | | | | | | |
| | | 4 | 17.0 | 18.0 | | | | | | |
| | 67.30 | 7 | B | | | | | | | |

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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SOIL BORING LOG

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Date 6/8/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.3 m. S. of IL 192 and Taylor Ridge LOGGED BY J. Strating

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19NW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. Station | D E P T H | B L O W S | U C S Qu | M O I S T | Surface Water Elev. Stream Bed Elev. | Dry ft ft | D E P T H | B L O W S | U C S Qu | M O I S T |
|--|-----------------------|-----------------------|-------------------|-----------------------|--|-----------------|-----------------------|-----------------------|-------------------|-----------------------|
| | | | | | | | | | | |
| BORING NO. <u>B-2d</u> Station <u>628+82</u> Offset <u>14.00ft Rt CL</u> Ground Surface Elev. <u>99.60</u> ft | | | | | Groundwater Elev.: First Encounter <u>74.6</u> ft Upon Completion _____ ft After _____ Hrs. | | | | | |
| MEDIUM tan SILTY CLAY LOAM | | | 0.5 P | 21.0 | SOFT tan/brown CLAY LOAM TILL | | | | | |
| | | | | | | 78.10 | 2 | 0.4 | 19.0 | |
| | | | | | | | 4 | B | | |
| No Recovery | 97.10 | 1 | | | STIFF gray CLAY LOAM TILL | | 3 | | | |
| | | 2 | | | | | 4 | 1.2 | 20.0 | |
| | 95.60 | 3 | | | | 75.60 | 6 | B | | |
| MEDIUM gray SILTY LOAM | | 0 | | | VERY STIFF gray CLAY LOAM TILL | | 2 | | | |
| | | 1 | 0.8 | 27.0 | | | 3 | 2.0 | 23.0 | |
| | 93.10 | 3 | P | | | 73.10 | 6 | B | | |
| SOFT gray SILTY LOAM with ORGANICS | | 1 | | | STIFF gray CLAY LOAM TILL | | 4 | | | |
| | | 1 | 0.4 | 29.0 | | | 5 | 1.8 | 22.0 | |
| | 90.60 | 3 | B | | | 70.60 | 8 | B | | |
| SOFT gray SILTY LOAM | | 1 | | | VERY STIFF gray CLAY | | 4 | | | |
| | | 1 | 0.5 | 35.0 | | | 6 | 2.8 | 24.0 | |
| | 88.10 | 2 | P | | | 68.10 | 9 | S | | |
| SOFT tan SILTY LOAM | | 2 | | | VERY STIFF gray CLAY LOAM TILL | | 3 | | | |
| | | 2 | 0.4 | 30.0 | | | 6 | 2.8 | 25.0 | |
| | 85.60 | 2 | B | | | 65.60 | 10 | S | | |
| STIFF tan/brown CLAY LOAM | | 2 | | | VERY STIFF gray CLAY LOAM TILL | | 3 | | | |
| | | 3 | 1.2 | 23.0 | | | 7 | 2.7 | 25.0 | |
| | 82.60 | 4 | B | | | 63.10 | 10 | B | | |
| SOFT tan/brown CLAY LOAM TILL | | 1 | | | VERY STIFF gray CLAY LOAM TILL | | 4 | | | |
| | | 2 | 0.4 | 19.0 | | | 5 | 2.4 | 18.0 | |
| | 80.60 | 3 | B | | | 60.60 | 8 | B | | |

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)