



SOIL BORING LOG

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Date 62002

ROUTE _____ DESCRIPTION Box Culvert Under Ramp C LOGGED BY CNA

SECTION 10-32HB-3,K LOCATION NW, SEC. 33, TWP. 19N, RNG. 8E, 3rd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. Station | D E P T H H | B L O W S | U C S Qu | M O I S T T | Surface Water Elev. _____ ft | Stream Bed Elev. _____ ft | Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft | D E P T H H | B L O W S | U C S Qu | M O I S T T |
|--|--------------------------------|---------------------------|-----------------------|--------------------------------|--|---------------------------|---|--------------------------------|---------------------------|-----------------------|--------------------------------|
| | | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Silty Clay | 698.0 | Gray Clay Loam Till (continued) | 1 | 3 | | |
| | 2 | | | 4 | | | | | | | |
| | 3 | | | 5 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Silty Clay to Brown/Gray Mottled Silty Clay | 698.0 | Gray Clay Loam Till (continued) | 1 | 2 | | |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | 5 | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Clay Loam | 688.0 | Gray Clay Loam Till (continued) | 1 | 2 | 1.4 | 28 |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Clay Loam | 688.0 | Gray Clay Loam Till (continued) | 1 | 2 | 2.3 | 16 |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Clay Loam | 688.0 | Gray Clay Loam Till (continued) | 1 | 2 | 1.2 | 14 |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Clay Loam | 688.0 | Gray Clay Loam Till (continued) | 1 | 3 | 1.6 | 13 |
| | 2 | | | 4 | | | | | | | |
| | 3 | | | 5 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Brown Mottled Clay Loam | 688.0 | Gray Clay Loam Till (continued) | 1 | 3 | 1.2 | 14 |
| | 2 | | | 4 | | | | | | | |
| | 3 | | | 5 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39A Box Culvert Station 287+00 Offset 195.0 ft Lt. Ground Surface Elev. 700.0 ft | 1 | | | | Gray Clay Loam Till | 685.5 | End of Boring | 1 | 6 | B | |
| | 2 | | | 7 | | | | | | | |
| | 3 | | | | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 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)



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COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. Station | D E P T H H | B L O W S | U C S Qu | M O I S T T | Surface Water Elev. _____ ft | Stream Bed Elev. _____ ft | Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft | D E P T H H | B L O W S | U C S Qu | M O I S T T |
|--|--------------------------------|---------------------------|-----------------------|--------------------------------|--|---------------------------|---|--------------------------------|---------------------------|-----------------------|--------------------------------|
| | | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Black Silty Clay | 696.2 | Brown Dirty Coarse Sand (continued) | 1 | 3 | | |
| | 2 | | | 4 | | | | | | | |
| | 3 | | | 5 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Dirty Coarse Sand (continued) | 678.2 | Gray Clay Loam Till | 1 | 5 | 2.5 | 12 |
| | 2 | | | 6 | | | | | | | |
| | 3 | | | 7 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Mottled Silty Clay | 695.2 | Gray Clay Loam Till | 1 | 2 | B | |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | 5 | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Mottled Silty Clay | 692.2 | End of Boring | 1 | 2 | 1.8 | 26 |
| | 2 | | | 3 | | | | | | | |
| | 3 | | | 4 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Dirty Coarse Sand | 692.2 | End of Boring | 1 | 5 | | |
| | 2 | | | 6 | | | | | | | |
| | 3 | | | 7 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Dirty Coarse Sand | 687.2 | End of Boring | 1 | 3 | | 22 |
| | 2 | | | 4 | | | | | | | |
| | 3 | | | 5 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Gray Varved Clay | 687.2 | End of Boring | 1 | 0 | | |
| | 2 | | | 1 | | | | | | | |
| | 3 | | | 2 | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| B39B Box Culvert Station 289+50 Offset 195.0 ft Lt. Ground Surface Elev. 700.2 ft | 1 | | | | Brown Dirty Coarse Sand | 682.2 | End of Boring | 1 | 1 | 1.2 | 21 |
| | 2 | | | 2 | | | | | | | |
| | 3 | | | 3 | | | | | | | |
| | 4 | | | 4 | | | | | | | |
| | 5 | | | | | | | | | | |

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 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)