

Contract #66666



Illinois Department of Transportation
Division of Highways
District #4, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 8/15/05

ROUTE FAP 68 (IL 23) DESCRIPTION LOGGED BY LM-IDOT
SECTION 102-BR LOCATION SW 1/4, SEC. 7, TWP. 29N, RNG. 4E, 3rd PM
COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. | Station | DEPTH | BULGE | UCS | MOISTURE | DESCRIPTION | DEPTH | BULGE | UCS | MOISTURE |
|-------------|-----------|-------|-------|-------|----------|--|-------|-------|-------|----------|
| 053-0079 | 529+84.73 | ft | (%) | (tsf) | (%) | | ft | (%) | (tsf) | (%) |
| | | 0 | | | | Surface Water Elev. 606.01 ft | | | | |
| | | | | | | Stream Bed Elev. _____ ft | | | | |
| | | | | | | Groundwater Elev.: _____ ft | | | | |
| | | | | | | First Encounter _____ ft | | | | |
| | | | | | | Upon Completion 599.5 ft | | | | |
| | | | | | | After _____ Hrs. _____ ft | | | | |
| | | | | | | Ground Surface Elev. 609.50 ft | | | | |
| | | | | | | Augered Brown Silty Clay Loam | 32 | >4.5 | 12.2 | |
| | | | | | | Cobble Size Rocks in Till @ 17' (continued) | 38 | P | | |
| | | | | | | 588.00 | | | | |
| | | | | | | Hard Brown Sandy Clay Loam Till w/ some Coarse to Cobble Rocks | 10 | | | |
| | | | | | | 607.50 | | | | |
| | | | | | | Medium Gray & Brown Silty Clay Loam/ Clay Loam Till | 2 | 0.5 | 18.8 | |
| | | | | | | 3 | B | | | |
| | | | | | | 605.50 | | | | |
| | | | | | | Hard Gray Silty Clay Till w/ numerous layers/pockets Gray Silt | 3 | | | |
| | | | | | | 5 | 4.5 | 17.2 | | |
| | | | | | | 7 | P | | | |
| | | | | | | 9 | | | | |
| | | | | | | 12 | 4.5 | 15.8 | | |
| | | | | | | 15 | P | | | |
| | | | | | | -10 | 8 | | | |
| | | | | | | 12 | 4.5 | 13.6 | | |
| | | | | | | 15 | P | | | |
| | | | | | | 597.50 | | | | |
| | | | | | | Hard Gray Clay Loam/Loam Till Cobble Size Rocks in Till @ 17' | 8 | | | |
| | | | | | | 20 | 4.1 | 7.3 | | |
| | | | | | | 50 | S | | | |
| | | | | | | 575.50 | | | | |
| | | | | | | Hard Gray Silty Clay Loam Till w/ pockets Gray Silt | 8 | | | |
| | | | | | | 18 | 4.1 | 8.3 | | |
| | | | | | | 31 | S | | | |
| | | | | | | 573.00 | | | | |
| | | | | | | Hard Brown Silty Clay Loam Till | 20 | | | |
| | | | | | | 100/5' | >4.5 | 8.2 | | |
| | | | | | | 16 | P | | | |
| | | | | | | 570.50 | | | | |
| | | | | | | Hard Dark Gray Sandy Clay Loam Till | 12 | | | |
| | | | | | | -20 | | | | |

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 T208) BBS, from 137 (Rev. 8-99)



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| STRUCT. NO. | Station | DEPTH | BULGE | UCS | MOISTURE | DESCRIPTION | DEPTH | BULGE | UCS | MOISTURE |
|-------------|-----------|-------|-------|-------|----------|--|-------|-------|-------|----------|
| 053-0079 | 529+84.73 | ft | (%) | (tsf) | (%) | | ft | (%) | (tsf) | (%) |
| | | | | | | Surface Water Elev. 606.01 ft | | | | |
| | | | | | | Stream Bed Elev. _____ ft | | | | |
| | | | | | | Groundwater Elev.: _____ ft | | | | |
| | | | | | | First Encounter _____ ft | | | | |
| | | | | | | Upon Completion 599.5 ft | | | | |
| | | | | | | After _____ Hrs. _____ ft | | | | |
| | | | | | | Ground Surface Elev. 609.50 ft | | | | |
| | | | | | | Hard Dark Gray Sandy Clay Loam Till (continued) | 18 | >4.5 | 11.7 | |
| | | | | | | 22 | P | | | |
| | | | | | | 10 | | | | |
| | | | | | | 12 | >4.5 | 11.3 | | |
| | | | | | | 18 | P | | | |
| | | | | | | 6 | | | | |
| | | | | | | 14 | >4.5 | 12.1 | | |
| | | | | | | 18 | P | | | |
| | | | | | | 662.00 | | | | |
| | | | | | | Very Stiff Dark Gray Sandy Clay Loam Till w/ pieces Coal @ 52' | 7 | | | |
| | | | | | | 12 | 3.6 | 12.6 | | |
| | | | | | | 15 | S | | | |
| | | | | | | 9 | | | | |
| | | | | | | 12 | 3.0 | 11.2 | | |
| | | | | | | 15 | S | | | |
| | | | | | | 9 | | | | |
| | | | | | | 12 | 3.0 | 11.5 | | |
| | | | | | | 16 | S | | | |
| | | | | | | 20 | | | | |
| | | | | | | 22 | 4.0 | 10.9 | | |
| | | | | | | 20 | P | | | |
| | | | | | | 553.50 | | | | |
| | | | | | | End of Boring | | | | |
| | | | | | | -80 | | | | |

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 T208) BBS, from 137 (Rev. 8-99)

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|--|---|
| <p>Excellence through Ownership</p> <p>200 West Front Street Wheaton, IL 60187</p> | ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | <p>SOIL BORING LOGS IL 23 OVER MOLE CREEK FAP RTE 68 - SECTION 102 BR LIVINGSTON COUNTY STATION 530+05 STRUCTURE NO. 053-0183</p> |
| <p>DATE: 10/20/2006</p> | <p>DRAWN BY LCM CHECKED BY WJV</p> |