Illinois Department of Transportation
Division of Highways
IDOT

# SOIL BORING LOG

Page 1 of 1

Date 3/1/11

ROUTE FAI Rt. 74 (I-74) DESCRIPTION HTCMB from the Vermilion River Bridge to TR 1000E Overpass LOGGED BY CNA

SECTION HSIP FY2011-4 LOCATION NW, SEC. 10, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Terminals
Station 1687+00 to1691+50

BORING NO. 5 HTCMB
Station 1688+62
Offset 10.0 ft Lt.
Ground Surface Elev. 610.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion DRY ft
After Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Gray Sandy Clay Loam Till (Very Hard) | | 12 | | |
| | | 13 | | 8 |
| | | 17 | | |
| | | 12 | | |
| | | 23 | 12.4 | 7 |
| | -5 | 28 | S | |
| | 602.5 | | | |
| Gray/Pink Sandy Clay Loam Till (Very Hard) | | 19 | | |
| | | 22 | 12.4 | 7 |
| | 600.5 -10 | 20 | S | |
| End of Boring | -15 | | | |
| | -20 | | | |

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)

BBS, from 137 (Rev. 8-99)

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Page 1 of 1

Date 3/1/11

ROUTE FAI Rt. 74 (I-74) DESCRIPTION HTCMB from the Vermilion River Bridge to TR 1000E Overpass LOGGED BY CNA

SECTION HSIP FY2011-4 LOCATION NE, SEC. 9, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Terminals
Station 1646+50 to 1649+25

BORING NO. 6 HTCMB
Station 1647+25
Offset 10.0 ft Lt.
Ground Surface Elev. 579.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion DRY ft
After Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Brown Sand Loam | | 5 | | |
| | 577.8 | 7 | 6.2 | 19 |
| Gray Clay Loam Till | | 14 | B | |
| | 575.8 | 8 | | |
| Brown to Gray Mixed Sandy Clay Loam to Sand Loam Till | | 4 | | |
| | -5 | 3 | | |
| | | 4 | | |
| | | 3 | 2.0 | 13 |
| | | 5 | E | |
| | | 3 | | |
| | | 4 | 2.0 | 12 |
| | 569.8 -10 | 5 | E | |
| End of Boring | -15 | | | |
| | -20 | | | |

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)

BBS, from 137 (Rev. 8-99)

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