



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Boyde Road LOGGED BY CNA
SECTION HTCMB LOCATION SW, SEC. 13, TWP. 19N, RNG. 12W, 2nd PM GPS:
COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. | Station | D E P T H (ft) | B L O W S (/6") | U C S Qu (tsf) | M O I S T (%) | Surface Water Elev. _____ ft | Stream Bed Elev. _____ ft |
|---|-------------------------------|-------------------------------|--------------------------------|----------------------------|------------------------------|------------------------------|---------------------------|
| 092-0128 | 1826+70 | | | | | | |
| BORING NO. 3 HTCMB | Station 1827+05 | | | | | Groundwater Elev.: _____ ft | |
| | Offset 10.0 ft Rt. of Med. CL | | | | | First Encounter 632.8 ft ▼ | |
| | Ground Surface Elev. 642.3 ft | | | | | Upon Completion _____ ft | |
| | | | | | | After _____ Hrs. _____ ft | |
| Black Silty Clay Loam | | | | | | | |
| | | | 15 | | | | |
| | 640.3 | | 17 | | 8 | | |
| Brown Sandy Clay Loam Till | | | | | | | |
| | | | 22 | | | | |
| | 638.3 | | 4 | | | | |
| Brown Sand Loam to Silty Clay Loam Till | | | | | | | |
| | | | 5 | 1.4 | 11 | | |
| | | -5 | 7 | B | | | |
| | | | 3 | | | | |
| | | | 4 | 1.2 | 12 | | |
| | | | 4 | B | | | |
| | | | 2 | | | | |
| | 632.8 ▼ | | 2 | 1.0 | 13 | | |
| Brown Coarse Dirty Sand | | | | | | | |
| | 632.3 -10 | | 7 | B | | | |
| End of Boring | | | | | | | |
| | | | 3 | | | | |
| | | | 5 | 2.5 | 20 | | |
| | | | 5 | B | | | |
| | | | 3 | | | | |
| | | | 5 | 2.7 | 12 | | |
| | | -15 | 5 | S | | | |
| | | | 3 | | | | |
| | | | 6 | 1.6 | 12 | | |
| | | | 8 | B | | | |
| | | | 5 | | | | |
| | | | 8 | 1.6 | 16 | | |
| | | | 9 | B | | | |
| | | -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)



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION HTCMB - Mast Arm on I-74EB West of G Street LOGGED BY CNA
SECTION HTCMB LOCATION SE, SEC. 13, TWP. 19N, RNG. 12W, 2nd PM GPS:
COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. | Station | D E P T H (ft) | B L O W S (/6") | U C S Qu (tsf) | M O I S T (%) | Surface Water Elev. _____ ft | Stream Bed Elev. _____ ft |
|--|-------------------------------|-------------------------------|--------------------------------|----------------------------|------------------------------|-------------------------------|---------------------------|
| | | | | | | | |
| BORING NO. 4 HTCMB | Station 1859+90 | | | | | Groundwater Elev.: _____ ft | |
| | Offset 16.5 ft Rt. of EBCL | | | | | First Encounter _____ ft | |
| | Ground Surface Elev. 661.1 ft | | | | | Upon Completion <u>Dry</u> ft | |
| | | | | | | After _____ Hrs. _____ ft | |
| Asphalt Shoulder | | | | | | | |
| | | | | | | | |
| | 660.1 | | | | | | |
| Brown to Gray Sandy Clay Loam (Embankment) | | | | | | | |
| | | | 8 | | | | |
| | | | 10 | 3.9 | 8 | | |
| | | -5 | 8 | B | | | |
| | | | 3 | | | | |
| | | | 7 | 3.5 | 11 | | |
| | | | 9 | S | | | |
| | | | 4 | | | | |
| | 653.1 | | 5 | 2.5 | 23 | | |
| Brown Sandy Clay Loam (Embankment) | | | | | | | |
| | | | 7 | B | | | |
| (Black Silty Clay Loam Seam) | | | | | | | |
| | | -10 | | | | | |
| | | | 3 | | | | |
| | | | 5 | 2.5 | 20 | | |
| | | | 5 | B | | | |
| | | | 3 | | | | |
| | | | 5 | 2.7 | 12 | | |
| | | -15 | 5 | S | | | |
| | | | 3 | | | | |
| | | | 6 | 1.6 | 12 | | |
| | | | 8 | B | | | |
| | | | 5 | | | | |
| | | | 8 | 1.6 | 16 | | |
| | | | 9 | B | | | |
| | | -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)

INFRASTRUCTURE
ENGINEERING INCORPORATED
33 West Riverside | Suite 1500 | Chicago, IL 60606
773.442.1111 | www.infraeng.com

10/18/2011 11:42:15 AM S:\SOILS\2011 SOIL WORKS\SOIL BORINGS\HTCMB I-74 70968\HTCMB_70968.GPJ

10/18/2011 11:42:16 AM S:\SOILS\2011 SOIL WORKS\SOIL BORINGS\HTCMB I-74 70968\HTCMB_70968.GPJ

| | | |
|----------------------------|-------------------|-----------|
| USER NAME = jcracker | DESIGNED - | REVISED - |
| DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/31/2012 | DATE - 08/02/2012 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------------|-----------|--------------|--------------------|
| 74 | MEDIAN CABLE 2012-3 | VERMILION | 232 | 60 |
| | | | | CONTRACT NO. 70968 |
| ILLINOIS FED. AID PROJECT | | | | |