



ROCK CORE LOG

Page 1 of 2
Date 11/30/09

ROUTE I-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY NEB
SECTION Bridge over Chain of Rocks Canal LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison CORING METHOD Core Barrel

STRUCT. NO. 060-0345 CORING BARREL TYPE & SIZE NX Wireline
Station _____ Core Diameter 1.9 in
BORING NO. B-5 Top of Rock Elev. 294.94 ft
Station 1211+85.82 Begin Core Elev. 294.94 ft
Offset 17.07R RT
Ground Surface Elev. 448.4 ft

| DEPTH (ft) | RECOVERY (%) | Q-D (%) | CORE TIME (min/ft) | STRENGTH (tsf) |
|------------|--------------|---------|--------------------|----------------|
| 294.94 | 1 | 63 | 15 | |
| -158 | | | | 288.7 |
| 289.94 | 2 | 92 | 84 | 10 |
| -180 | | | | |
| -165 | | | | 719.3 |
| 280.34 | 3 | 96 | 67 | 6 |
| -170 | | | | |

Color pictures of the cores Yes
Cores will be stored for examination until 2012
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



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Station 1211+85.82 Begin Core Elev. 294.94 ft
Offset 17.07R RT
Ground Surface Elev. 448.4 ft

| DEPTH (ft) | RECOVERY (%) | Q-D (%) | CORE TIME (min/ft) | STRENGTH (tsf) |
|------------|--------------|---------|--------------------|----------------|
| 272.34 | | | | 939.6 |
| 271.64 | | | | |
| 270.24 | 4 | 98 | 91 | 6 |
| -180 | | | | |
| -165 | | | | 899.3 |
| 260.44 | | | | |
| -190 | | | | |

Color pictures of the cores Yes
Cores will be stored for examination until 2012
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



SOIL BORING LOG

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Date 11/29/09

ROUTE I-270 DESCRIPTION Bridge over Chain of Rocks Canal LOGGED BY MDM
SECTION Bridge over Chain of Rocks Canal LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 060-0345
Station _____
BORING NO. B-6
Station 1211+80.74
Offset 20.39R LT
Ground Surface Elev. 440.0 ft

| DEPTH (ft) | BLOWS (6") | U.S. QU | M.O.I.S.T. | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter Upon Completion After (Hrs) | DEPTH (ft) | BLOWS (6") | U.S. QU | M.O.I.S.T. |
|------------|------------|---------|------------|--------------------------|-----------------------|------------------------|---|------------|------------|---------|------------|
| 438.98 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | 16 | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 436.48 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 7 | 10 | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 433.98 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 6 | 14 | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 431.48 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 10 | 9 | | | | | | | | | | |
| 428.98 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 9 | 13 | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 426.48 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 423.98 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 421.48 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Budge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

3/15/2011 5:06:01 PM c:\pwworking\omc\d0549104\0600345-76A91-113-SBL.dgn jmgus



| | | |
|---------------------------------------|----------------|-----------|
| USER NAME = jmgus | DESIGNED - BWC | REVISED - |
| FILE NAME = 0600345-76A91-113-SBL.DGN | CHECKED - LGP | REVISED - |
| PLOT SCALE = NONE | DRAWN - JM | REVISED - |
| PLOT DATE = 3/18/2011 | CHECKED - BSK | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 060-0345
BRIDGE SHEET NO. 113 OF 133 SHEETS

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| 270 | 60-1B-1 | MADISON | 712 | 492 |
| CONTRACT NO. 76A91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |