



SOIL BORING LOG

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 DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. 060-0345 Station | D E P T H | B L O W S | U C S | M O I S T | Surface Water Elev. | | | | Groundwater Elev. | | | | | | | | |
|--|-----------------------|-----------------------|-------------|-----------------------|---------------------|----|----|----|-------------------|----|----|----|----------------------|----------------------|--|--|--|
| | | | | | ft | ft | ft | ft | ft | ft | ft | ft | (ft) (/6") (tsf) (%) | (ft) (/6") (tsf) (%) | | | |
| BORING NO. B-5 Station 1211+85.82 Offset 17.07 ft RT Ground Surface Elev. 448.4 ft | | | | | 401.94 | | | | | | | | | | | | |
| | | | | | 399.94 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Brown CLAYEY SILT (continued) Brown SILTY SAND Sand=86%, Sil/CL=14%, Gravel=0% | | 3 | | | | | | | | | | | | | | | |
| | | 4 | 0.8 | | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | | | | |
| | | 8 | | | | | | | | | | | | | | | |
| Gray Fine SAND, trace Silt (continued) Gray Fine SAND, with Silt, trace Gravel Gray Fine SAND, trace Silt | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Gray Fine SAND, trace Silt | | 14 | | | | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | | | | |

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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| STRUCT. NO. 060-0345 Station | D E P T H | B L O W S | U C S | M O I S T | Surface Water Elev. | | | | Groundwater Elev. | | | | | | | | |
|---|-----------------------|-----------------------|-------------|-----------------------|---------------------|----|----|----|-------------------|----|----|----|----------------------|----------------------|--|--|--|
| | | | | | ft | ft | ft | ft | ft | ft | ft | ft | (ft) (/6") (tsf) (%) | (ft) (/6") (tsf) (%) | | | |
| BORING NO. B-5 Station 1211+85.82 Offset 17.07 ft RT Ground Surface Elev. 448.4 ft | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Gray Fine to Medium SAND (continued) Brown Fine SAND | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Brown Fine SAND, trace Gravel | | 10 | | | | | | | | | | | | | | | |
| | | 22 | | | | | | | | | | | | | | | |
| | | 28 | | | | | | | | | | | | | | | |
| | | 22 | | | | | | | | | | | | | | | |
| Gray Fine to Medium SAND, trace Gravel | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Brown Fine SAND, trace Gravel | | 8 | | | | | | | | | | | | | | | |
| | | 14 | | | | | | | | | | | | | | | |
| | | 14 | | | | | | | | | | | | | | | |
| | | 22 | | | | | | | | | | | | | | | |

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|--|-----------------------|-----------------------|-------------|-----------------------|---------------------|----|----|----|-------------------|----|----|----|----------------------|----------------------|--|--|--|
| | | | | | ft | ft | ft | ft | ft | ft | ft | ft | (ft) (/6") (tsf) (%) | (ft) (/6") (tsf) (%) | | | |
| BORING NO. B-5 Station 1211+85.82 Offset 17.07 ft RT Ground Surface Elev. 448.4 ft | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| Gray Fine to Medium SAND, trace Gravel (continued) Gray Fine to Coarse SAND, trace Gravel | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Gray Fine to Medium SAND, trace Gravel | | 14 | | | | | | | | | | | | | | | |
| | | 15 | | | | | | | | | | | | | | | |
| | | 15 | | | | | | | | | | | | | | | |
| | | 12 | | | | | | | | | | | | | | | |
| Brown Fine SAND, trace Gravel | | 18 | | | | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | | | | |
| | | 35 | | | | | | | | | | | | | | | |

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BBS, from 137 (Rev. 8-99)

ca:\pwworking\cma\d0549104\0600345-76A91-112-SBL.dgn
3/15/2011 5:05:56 PM
jmigus



| | | |
|---------------------------------------|----------------|-----------|
| USER NAME = jmigus | DESIGNED - BWC | REVISED - |
| FILE NAME = 0600345-76A91-112-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. 112 OF 133 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|---------|--------------|-----------|
| 270 | 60-1B-1 | MADISON | 712 | 491 |

CONTRACT NO. 76A91
ILLINOIS FED. AID PROJECT