

| | | | | |
|---------------------|-----------|----------|------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | (72-7)R-3 | PEORIA | 1360 | 1348 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

CONTRACT NO. 68200

| RSV ENGINEERING, INC. | | CHICAGO, ILLINOIS | | | | | | |
|--|---|--|-----------------------|------------------|----------------|--------------------|-----------|---|
| BORING LOG | | | | | | | | |
| JOB NO: 98600 | CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING NO: ML-18A | STATION: 142 + 900 WS | | | | | |
| PROJECT: Interstate Route 74 Improvements - Peoria, Illinois | | LOCATION: Retaining Wall Ramp A-3 SN 072-8555 | OFFSET: 12m Lt | | | | | |
| LOCATION: Mainline-Westbound (Slope Stability) | | BORING RIG & METHOD: CME-55 w/Hollow Stem Augers | SURF ELEV: 197.10 | | | | | |
| SOIL DESCRIPTION | ELEV. | DEPTH | SAMPLE FROM - TO | REC. mm | BLOWS/150mm | q _u kPa | STRAIN % | WATER CONTENT % |
| 355mm Bituminous Concrete | 196.73 | | 0.00-0.30 | | | | | 4 |
| Very Stiff Gr Clay A-6 | | | 0.30-0.76 | 330 | Auger 3 5-7 | 259 | 15 | 21 |
| Very Soft Br Clay Loom A-6 | 195.88 | | 1.07-1.52 | 432 | 3 3-2 | 19 | 15 | 24 |
| Very Stiff to Hard Br to Gr Silty Clay Loom A-6 | 195.12 | | 1.83-2.29 | 381 | 4 8-7 | 326 | 15 | 13 |
| | | | 2.59-3.05 | 457 | 5 6-7 | 402 | 15 | 14 |
| | | | 3.35-3.81 | 457 | 5 9-15 | 546 | 15 | 13 |
| | 192.53 | | 4.11-4.57 | 457 | 5 10-14 | 546 | 15 | 10 |
| Boring terminated at 4.6m | | | | | | | | |
| REMARKS | | | | | | | | |
| | | | | | | | | #Denotes Calibrated Penetrometer Estimate |
| WATER | Dry | ELEV. | DURING DRILLING | ∅CORE SIZE | mm | DATE: | Mar 8, 00 | |
| WATER | m | ELEV. | AT COMPLETION | ∅CASING LENGTH | m | DRILLER: | Demjanski | |
| WATER | Dry | ELEV. | AFTER 1/4 HRS. | ∅CASING DIAMETER | mm | INSPECTOR: | Reed | |


| RSV ENGINEERING, INC. | | SCHAUMBURG, ILLINOIS | | | | | | |
|--|---|--|------------------------|------------------|-------------|--------------------|------------|---|
| BORING LOG | | | | | | | | |
| JOB NO: 98600 | CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING NO: RWA3N-6 | STATION: 10+635 | | | | | |
| PROJECT: Interstate Route 74 Improvements - Peoria, Illinois | | LOCATION: Retaining Wall Ramp A-3 SN 072-8555 | OFFSET: 2.0m Lt | | | | | |
| LOCATION: Retaining Wall Ramp A-3 SN 072-8555 | | BORING RIG & METHOD: CME-55 w/Hollow Stem Augers | SURF ELEV: 187.76 | | | | | |
| SOIL DESCRIPTION | ELEV. | DEPTH | SAMPLE FROM - TO | REC. mm | BLOWS/150mm | q _u kPa | STRAIN % | WATER CONTENT % |
| FILL: Br Clay Loom A-6 | | | 0.00-0.30 | | Auger 1 | | | |
| | | | 0.30-0.76 | 406 | 2-2 | 239 | 18 | |
| | 186.54 | | 1.07-1.52 | 381 | 1 2-4 | 230 | 15 | 15 |
| | | | 1.83-2.29 | 457 | 5 10-12 | 335 | 15 | 13 |
| Very Stiff Gr Clay Loom A-4(7) | | | 2.59-3.05 | 457 | 4 7-11 | 326 | 15 | 13 |
| | | | 3.35-3.81 | 457 | 4 7-9 | 259 | 15 | 13 |
| | | | 4.11-4.57 | 457 | 4 5-7 | 287 | 15 | 14 |
| | 182.58 | | 4.88-5.33 | 457 | 11 18-18 | 536 | 15 | 12 |
| Hard Br Silty Clay Loom A-4 | 182.09 | | 5.64-6.10 | 457 | 9 15-26 | | | 9 |
| Dense Br Sand A-1-a | 180.96 | | 6.40-6.86 | 457 | 4 12-18 | 488 | 15 | 13 |
| | | | 7.16-7.62 | 457 | 4 14-19 | 488 | 15 | 7 |
| | | | 7.92-8.38 | 457 | 5 10-13 | 412 | 15 | 13 |
| | | | 8.69-9.14 | 457 | 7 10-14 | 383 | 15 | 13 |
| Hard to Very Stiff Gr Clay Loom A-4 | | | 9.45-9.91 | 457 | 4 7-10 | 431 | 15 | 13 |
| | | | 10.21-10.67 | 457 | 4 6-11 | 393 | 15 | 12 |
| | | | 10.97-11.43 | 457 | 4 7-12 | 412 | 15 | 13 |
| | | | 11.73-12.19 | 457 | 4 7-9 | 259 | 15 | 13 |
| | | | 12.50-12.95 | 457 | 5 7-10 | 259 | 15 | 14 |
| | | | 13.26-13.72 | 457 | 5 7-11 | 316 | 15 | 13 |
| | 173.28 | | 14.02-14.48 | 457 | 4 7-10 | 326 | 15 | 14 |
| Boring terminated at 14.5m | | | | | | | | |
| REMARKS | | | | | | | | |
| | | | | | | | | #Denotes Calibrated Penetrometer Estimate |
| WATER | 3-1m | ELEV. | 184.62 DURING DRILLING | ∅CORE SIZE | mm | DATE: | Apr 10, 00 | |
| WATER | m | ELEV. | AT COMPLETION | ∅CASING LENGTH | m | DRILLER: | Winslow | |
| WATER | 3.9m | ELEV. | 183.95 AFTER 1/4 HRS. | ∅CASING DIAMETER | mm | INSPECTOR: | Nelson | |

| RSV ENGINEERING, INC. | | SCHAUMBURG, ILLINOIS | | | | | | |
|--|---|--|------------------------|------------------|----------------|--------------------|-----------|---|
| BORING LOG | | | | | | | | |
| JOB NO: 98600 | CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING NO: RWA3S-13 | STATION: 10+628 | | | | | |
| PROJECT: Interstate Route 74 Improvements - Peoria, Illinois | | LOCATION: Retaining Wall Ramp A-3 SN 072-8556 | OFFSET: 5.3m Lt | | | | | |
| LOCATION: Retaining Wall Ramp A-3 SN 072-8556 | | BORING RIG & METHOD: CME-55 w/Hollow Stem Augers | SURF ELEV: 190.84 | | | | | |
| SOIL DESCRIPTION | ELEV. | DEPTH | SAMPLE FROM - TO | REC. mm | BLOWS/150mm | q _u kPa | STRAIN % | WATER CONTENT % |
| 300mm P.C. Concrete | 190.53 | | 0.00-0.76 | | | | | |
| FILL: Gr Clay Loom A-6 | | | 0.30-0.76 | 330 | Auger 4 5-5 | 412 | 15 | 14 |
| | 189.92 | | 1.07-1.52 | 406 | 1 4-4 | 115 | 15 | 26 |
| FILL: Gr to Black Silty Clay A-7-6; roots and wood fragments noted | | | 1.83-2.29 | 305 | 3 6-6 | 96 | | 40 |
| | 188.40 | | 2.59-3.05 | 381 | 2 5-6 | 172 | 15 | 21 |
| Stiff Gr to Br Clay Loom A-6 | | | 3.35-3.81 | 406 | 2 4-7 | 172 | 15 | 19 |
| | 186.88 | | 4.11-4.57 | 457 | 6 6-11 | 431 | 15 | 14 |
| Hard to Very Stiff Br to Gr Loom A-4 | | | 4.88-5.33 | 457 | 6 8-11 | 239 | 15 | 13 |
| | | | 5.64-6.10 | 457 | 3 5-8 | 220 | 15 | 13 |
| | | | 6.40-6.86 | 457 | 4 8-10 | 201 | 15 | 18 |
| | | | 7.16-7.62 | 457 | 10 23-23 | 239 | 15 | 14 |
| Dense to Very Dense Br Sand A-1-b | 183.52 | | 7.92-8.38 | 457 | 18 22-34 | | | 11 |
| | 182.30 | | 8.69-9.14 | 457 | 11 16-18 | | | 29 |
| Dense Br Sand A-1-b | | | 9.45-9.91 | 457 | 11 19-24 | | | 11 |
| | 180.50 | | 10.21-10.67 | 457 | 3 7-11 | 460 | 15 | 13 |
| Hard to Very Stiff Gr Loom A-4 | | | 10.97-11.43 | 457 | 5 8-12 | 316 | 15 | 14 |
| | 179.26 | | 11.73-12.19 | 457 | 5 6-9 | 163 | 15 | 14 |
| Stiff Gr Loom A-4 | | | | | | | | |
| REMARKS | | | | | | | | |
| | | | | | | | | #Denotes Calibrated Penetrometer Estimate |
| WATER | 7.6m | ELEV. | 183.22 DURING DRILLING | ∅CORE SIZE | mm | DATE: | Apr 6, 00 | |
| WATER | m | ELEV. | AT COMPLETION | ∅CASING LENGTH | m | DRILLER: | Winslow | |
| WATER | 7.9m | ELEV. | 182.91 AFTER 1/4 HRS. | ∅CASING DIAMETER | mm | INSPECTOR: | Reed | |

4:27:28 PM
 11/12/2004
 m:\proj\3573\LIGHTING\4-Contract ID\11000_sbl.dgn

LIGHTING SHEET 64 OF 64

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|----------------|------|--|
| NAME | DATE | |
| | | LIGHT TOWER FOUNDATION SOIL BORINGS |
| | | |
| | | |
| | | |
| | | |
| DATE: 11/12/04 | | DRAWN BY: CDF |
| | | CHECKED BY: WJZ |


alfred benesch & company
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601