



## ARLINGTON COUNTY, VIRGINIA

**County Board Agenda Item  
Meeting of May 14, 2011**

**DATE:** April 29, 2011

**SUBJECT:** Approve the Award of Contract for the Arlington County Water Pollution Control Bureau (WPCB) Phase 8B Activated Sludge Effluent (ASE) Pipe Replacement and authorize an Amendment to the current contract with Malcolm Pirnie, Inc. (Malcolm) for engineering services related to the construction of the ASE Pipe Replacement project.

**C. M. RECOMMENDATIONS:**

1. Approve the award of Contract No. 74-11 to Norair Engineering Corp. for the Phase 8B ASE Pipe Replacement project in an amount not to exceed \$ 2,862,465.
2. Authorize an amendment to Contract No. 96-03 held by Malcolm in an amount not to exceed \$ 125,000.
3. Authorize the Purchasing Agent to execute the Contract Documents and the Amendment subject to legal review by the County Attorney.

**ISSUE:** Approval by the County Board is needed to award the construction contract and to authorize an amendment to an existing engineering construction services contract. There are no outstanding issues.

**SUMMARY:** This project replaces the existing ASE Pipe with needed upgrades to the line which will replace this aging infrastructure that is in need of repair and modernization.

**BACKGROUND:** Phase 8B ASE pipeline replacement project will replace approximately 855 linear feet of 60 inch diameter steel pipeline with 48 inch diameter ductile iron pipe. The replacement is needed due to the corrosion of the existing pipeline. The work includes construction and removal of temporary bypass piping, fittings and valves, construction of new piping, fittings and valves, construction of ferric chloride injection manholes, and piping, site restoration, and other miscellaneous activities.

County Manager:

*BMD/mjs*

County Attorney:

*JAM*

*[Signature]*

**22. A.**

Staff: Lawrence Slattery, Bureau Chief, WPCB

**DISCUSSION:**

On April 19, 2011, four firms submitted their bids under ITB 74-11:

1. Norair Engineering Corp. (Norair) \$ 2,489,100
2. Corinthian Contractors, Inc. \$ 2,556,750
3. Flippo Construction Company, Inc. \$ 2,847,680
4. Bell Bros, Inc. \$ 3,419,195

The lowest bidder, Norair, was found to be responsible and the bid submitted was responsive. It is recommended that a construction contract be awarded to Norair for \$2,489,100. A contingency fund of \$ 373,365 (15%) is recommended for potential change orders for this retrofit work. Therefore, the total construction contract authorization is \$ 2,862,465. The expected contract time is Two Hundred Ten (210) calendar days and will begin after the Board approves the Award of contract and a Notice to Proceed is issued.

Malcolm is the current Design Engineer who performs specific Engineering and Construction Services for the WPCP under Contract No. 96-03. Malcolm only provides Engineering and Construction Services for specific project as the projects are awarded in order to control the Engineering and Construction Services cost for each project. Each project is negotiated with Malcolm for the cost associated with the specific scope of services required for the project. The current Contract needs to be amended to the following services for the ASE Project:

- Malcolm will perform Civil, Structural, Architectural, Mechanical and Electrical submittal reviews, respond to Request for Information, provide design change(s) development and Non-Compliance Report Review.
- Malcolm will perform on-site and off-site Project Administration, attend Progress Meetings perform start-up testing, inspection for Substantial Completion, and Inspection for Final Completion.

The total authorization requested for the additional engineering services is \$125,000.

**FISCAL IMPACT:** The Phase 8B ASE Pipe Replacement project is funded by Utilities Fund Paygo and also by contributions from the inter-jurisdictional partners. The account number is 519.437405.43545.ASE.0000.0000.