



ARLINGTON COUNTY, VIRGINIA

County Board Agenda Item
Meeting of November 14, 2009

DATE: October 23, 2009

SUBJECT: Approve the Award of Contract for the Phase 7H offsite facilities upgrade of 9 wastewater lift stations, 2 ejectors and 2 metering stations which are being operated by the Arlington County Water Pollution Bureau (WPCB), Invitation to Bid Number 145-09; and approve an Amendment to the current contract with the contractor for engineering services related to the offsite facilities upgrade project.

C. M. RECOMMENDATION:

1. Approve the award of Contract No. 145-09 for the Phase 7H offsite facilities upgrade project to ALPHA Construction Co., Inc. in an amount not to exceed \$12,523,500.
2. Authorize an amendment to engineering contract No. 96-03 held by Malcolm Pirnie, Inc. in an amount not to exceed \$994,193.
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 for the award of a construction contract and authorization of an amendment to an existing engineering construction services contract, both related to the Phase 7H, Offsite Facilities Upgrade Project for the WPCB. No issues have been identified.

SUMMARY: The offsite facilities upgrade project was included in the \$568 million overall WPCB Master Plan 2001 (MP01) budget. This project will upgrade the wastewater lift and metering stations which are aging critical infrastructure that are in need of repairs and modernization.

BACKGROUND: In January 2003, the County Board endorsed the concept for the WPCB MP01 upgrade and expansion project at the Department of Environmental Services Water Pollution Control Plant (DES WPCP), to enable the County to meet current and future capacity demands in the most environmentally appropriate manner. The capital improvements MP01 will provide increased capacity which will meet existing flow and estimated flows to the year 2015-2020+ and provide a positive environmental impact. The upgrade construction of the 13 offsite

County Manager: BMD

County Attorney: JM SAM

Staff: Lawrence Slattery, Bureau Chief, WPCB

24.

pumping facilities and meter stations is necessary due to aging infrastructure, reliability, and security matters and will provide the necessary support for the operation of the plant's treatment process.

DISCUSSION:

On October 20, 2009, four firms submitted their bids under ITB 145-09:

1. ALPHA Construction Co., Inc (ALPHA) in the amount of \$11,385,000
2. FRU-CON Construction Co. in the amount of \$11,928,000
3. NorAir Engineering Corp. in the amount of \$12,765,000
4. W.M. Schlosser Co., Inc. in the amount of \$14,288,000

The lowest bidder, ALPHA was found to be responsible and the bid submitted was responsive. It is recommended that a construction contract be award to ALPHA. A contingency fund of \$1,138,500 is recommended for change orders. Therefore, the total construction contract authorization is \$ 12,523,500. This contract work includes instrumentation and control work, signal connections, gas detection, alarms, electrical motor control centers, lighting, automatic transfer switches, mechanical piping, generators, equipment installation, and general site-work. The expected contract time is 440 calendar days and will begin after the Board approves the award of contract and a Notice to Proceed is issued.

Malcolm Pirnie (MP), Design Engineer, was selected to perform specific Engineering and Construction Services related to the WPCP and the offsite facilities upgrade project under RFP No. 428-02. The increased scope of the services requested herein under this amendment includes but is not limited to:

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

The total authorization for the engineering services under the Amendment is \$994,193.

FISCAL IMPACT: The Phase 7H offsite facilities upgrade project is included in the approved \$ 568 million overall budget for the MP01 upgrade and expansion project at the DES WPCP. The project will be funded out of general obligation bond funds. The debt service costs are included in the annual projections for the Water Sewer Rate, which ultimately funds the repayment of the debt service associated with MP01. Rate increases are projected to range from 5-10% per year for several years for funding of all Utilities Fund projects and operating expenses. The bond funding for this project resides in fund 530, cost center 43541.