



ARLINGTON COUNTY, VIRGINIA

County Board Agenda Item
Meeting of December 12, 2009

DATE: November 25, 2009

SUBJECT: Authorize an Amendment to Contract No. 96-03 between the County Board and Malcolm Pirnie, Inc. (Malcolm) for engineering design services related to the Water Pollution Control Plant (WPCP) Master Plan 2001 Update (MP01).

C. M. RECOMMENDATION:

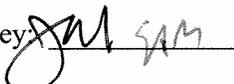
1. Authorize an amendment (6I) to engineering contract No. 96-03 held by Malcolm in the amount not to exceed \$350,000.
2. Authorize the Purchasing Agent to execute the amendment subject to legal review by the County Attorney.

ISSUE: Approval by the County Board is needed for the authorization of the amendment to an existing design engineering contract related to the MP01. No issues have been identified.

SUMMARY: Bidding for the initial MP01 Project in March 2006 resulted in only one (1) bid which was substantially higher than the engineer's estimate. The Project was then converted into two (2) phases - 7A and 7B which again resulted in only one (1) bid for each project phase higher than the engineer's estimate despite being advertised several times. Finally, the 7A and 7B projects were reduced in scope to generate temporarily deferred items in an effort to contain costs. Only one (1) bid was received for each project in June and July 2006. Although the bids were negotiated to lower numbers, each was substantially higher than the engineer's estimate because of market conditions at the time. Prudent financial management dictated that the deferred portions of the MP01 work not be pursued until it was certain that funds were available. At this time, MP01 funds are available to finish the design aspects of the last remaining deferred item - the Additional New Maintenance Building project and unforeseen minor design services to complete MP01. The final re-design for the Additional New Maintenance Building needs to be completed and re-packaged prior to advertising. This work, which is the subject this Amendment, is included in the \$568 million overall MP01 budget.

BACKGROUND: In January 2003, the County Board endorsed the concept for the WPCP MP01, upgrade and expansion project at the Department of Environmental Services WPCP, to enable the County to meet current and future capacity demands in the most environmentally

County Manager: 

County Attorney: 

Staff: Lawrence Slattery, Department of Environmental Services, Water Pollution

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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 for Four Mile Run, the Potomac River, and the Chesapeake Bay, as well as addressing aging infrastructure, reliability, odor control, security and aesthetics. The engineering design services under this amendment are necessary to properly complete the design work for the remaining temporarily deferred project (repackaging, pre and post bid design services).

DISCUSSION: Malcolm currently performs engineering and construction services under Contract No. 96-03. The Contract has been amended several times to include additional services as approved by the Board. The scope of the services requested under this Amendment No. 6I includes, but is not limited to:

1. Repackage the specification documents and drawings for preparation for bid as either a combination or several small construction packages.
2. Provide additional design services for cost minimization and to address other technical details/requirements
3. Revise the bid form to include the new packaging description to the bidders.
4. Revise the contract documents to delete non-process construction items.
5. Process and provide the final contract and bid documents for submittal to the County.
6. Provide additional bid phase services for the new contract package including updating construction cost estimates, responding to bidders' questions and providing bid addenda.
7. Provide conformed documents for the re-packaged bids.
8. Attend meetings related to the foregoing tasks.

The total authorization for the engineering services under Amendment No. 6I to Contract No. 96-03 is \$350,000.

FISCAL IMPACT: The money for Amendment No. 6I to Contract 96-03 is included in the approved \$568 million overall budget for the MP01 upgrade and expansion project at the DES WPCP. 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 all Utilities Fund projects and operating expenses. The bond funding for this project resides in fund 530, cost center 43541.