

12531

DATE: July 15, 2010

TO: Board of Acquisition and Contract

FROM: Marguerite Beirne, Chief Information Officer, Department of Information Technology

Thomas J. Lauro, P.E., Commissioner, Department of Environmental Facilities

John J. Hsu, P.E., Acting Commissioner, Department of Transportation

RE: AUTHORIZATION TO AMEND CONTRACT IT-888 WITH MALCOLM PIRNIE, INC. FOR THE PROVISION OF PROFESSIONAL CONSULTING AND ASSISTANCE SERVICES BY INCREASING THE AMOUNT BY \$256,000 TO A NEW TOTAL NOT TO EXCEED CONTRACT AMOUNT OF \$745,700 AND EXTENDING THE TERM EIGHTEEN MONTHS TO A NEW TERMINATION DATE OF JUNE 30, 2012

BACKGROUND:

- On June 21, 2007, your Honorable Board approved a resolution which authorized the County to enter into an agreement with Malcolm Pirnie, Inc., for consulting and assistance services for SCADA software and Intranet-based systems upgrades for the Department of Environmental Facilities (DEF), for a two year period commencing on July 1, 2007 and terminating on June 30, 2009, for a total not to exceed contract amount of \$199,700. Contract IT-888 authorized in this resolution was subsequently executed and approved.
- On October 30, 2008, your Honorable Board approved a resolution which authorized an amendment to contract IT-888 with Malcolm Pirnie, Inc., for consulting and assistance services for SCADA software and Intranet-based systems improvements utilized by DEF and the Westchester County Airport, increasing the amount by \$290,000 to a new total not to exceed contract amount of \$489,700 and by extending the term to a new termination date of December 31, 2010. The first amendment authorized in this resolution was subsequently executed and approved.
- Some of the projects performed by Malcolm Pirnie under the original agreement were to integrate the Grit & Gravity Belt thickener systems into the Yonkers Joint Wastewater Treatment Plant's SCADA system; automate primary sludge pump controls at the Ossining Wastewater Treatment Plant; upgrade the SCADA system to enable control from the EOC; establish Web-Based monitoring of the SCADA system; and provide on-call SCADA systems maintenance and support for the duration of the contract.
- The first amendment covered a major effort related to Westchester County Airport's deicing system, which is an integral part of their operations. The deicing procedure involves the use of fluids which have high biochemical oxygen demands. Because of variations in temperature, winds, precipitation

and the quantity of deicing fluids utilized, storm water leaving the deicing areas must be collected, monitored and discharged in a manner that meets the County's environmental and treatment permits. This discharge is routed to the Blind Brook Wastewater Treatment Plant. To aid the Airport in the careful collection, measurement and diversion of this runoff, a SCADA system was installed in the early 90s. Improvements under this amendment included (1) the ability to view Airport system status and alarms at the Blind Brook plant and (2) the ability for DEF and the Airport to expedite communications regarding discharges or unusual situations.

- Other projects over the past year and a half include implementation of a centralized data historian for County SCADA data to support consistent reporting and analysis; enabling Web-Based Monitoring of the Pump Stations from the EOC and County Intranet; development of standards for Pump Station Controls & SCADA integration to reduce confusion when various components are implemented by different consultants; and extension of the "on-call" program to cover additional services. All work under this portion of the amendment is performed only upon authorization by the County via a Task Order. Task Orders for readily definable scopes of work indicate an agreed upon lump sum fee. Task Orders for indeterminate scopes of work, such as troubleshooting and support of other consultants/contractors, are based on actual time and expenses in accordance with the rates indicated on an approved Schedule, or on file prices for work elements, as appropriate.
- The amendment being requested in this resolution is intended to include services to implement a standard report template that will simplify creation of reports from the central data historian and to train DEF personnel to create reports; implement a data interface between the SCADA system and the tool that is used to produce regulatory reports to improve the accuracy and ease of creating these reports; implement a program to backup process controller programs; establish alarm filters that will only report relevant alarms at each location to reduce the volume of alarms that are reported at locations not related to the site where an alarm was triggered.
- Malcolm Pirnie was the contractor that implemented the SCADA system as part of the Phase II improvements to the wastewater treatment plants (WWTPs). In so doing, they developed the standards for and configured the process control strategies, database definition, data collection methods, graphic displays, alarm indication and historical trending reports. Consequently, many members of Pirnie's staff are intimately familiar with the DEF's SCADA system. Because of their expertise regarding the County's WWTPs and because they are located in White Plains, they are able to quickly respond to the WWTPs to resolve problems related to the SCADA system in a professional manner. Malcolm Pirnie staff's familiarity with our system and proximity has been crucial to enabling the plant to remain in compliance with their operating permits.
- The public purpose of this amendment is to support the Airport's de-icing SCADA system in a way that promotes the safety of airline passengers and protects the environment by improving the treatment of fluids used for deicing. Another public purpose is to improve the efficiency of various DEF functions and rapidly resolve problems within DEF's SCADA system to mitigate the risk of environmental incidents.
- The goals and objectives of this amendment are to have the capability to remotely view system status and alarms; to expedite communications between DEF and the Airport when fluid discharge or unusual situations occur and to rapidly resolve issues related to the SCADA system throughout all of DEF wastewater facilities. Progress toward these goals will be monitored by DEF staff assigned to each Task Order, who will sign off only upon completion of each task.
- Authority to exempt this Amendment to the Agreement from the requirements of the Westchester County Procurement Policy and Procedures pursuant to Section 3 (a) xxi thereof, has been granted by your Honorable Board in accordance with a separate resolution of even date herewith.

- Therefore, we now come before your Honorable Board requesting approval to amend contract IT-888 with Malcolm Pirnie, by increasing the amount by \$256,000 and extending the term eighteen months.

ACTION REQUESTED:

- Authorization to amend contract IT-888 with Malcolm Pirnie, Inc., having a place of business located at 44 South Broadway, 15th Floor White Plains, NY 10601, for consulting and assistance services for SCADA software and Intranet based systems improvements, by increasing the amount by \$256,000 payable pursuant to an approved schedule, subject to County appropriations, to a new total not to exceed contract amount of \$745,700 and to extend the term eighteen months to a new termination date of June 30, 2012, with all other terms and conditions of the agreement to remain the same.

Accordingly, the attached resolution is submitted for your consideration.

APPROVED BOARD OF ACQUISITION & CONTRACT - 8-13-2010 - JOMARY VIEIRA, SECRETARY

RESOLUTION

UPON A COMMUNICATION FROM THE CHIEF INFORMATION OFFICER, DEPARTMENT OF INFORMATION TECHNOLOGY, THE COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL FACILITIES AND THE ACTING COMMISSIONER, DEPARTMENT OF TRANSPORTATION, BE IT HEREBY

RESOLVED, that the County of Westchester is hereby authorized to amend contract IT-888 with Malcolm Pirnie, Inc., having a place of business located at 44 South Broadway, 15th Floor, White Plains, NY 10601, for consulting and assistance services for SCADA software and Intranet-based systems improvements utilized by the Department of Environmental Facilities and the Westchester County Airport, by increasing the amount by \$256,000, payable pursuant to an approved schedule, to a new total not to exceed contract amount of \$745,700 and by extending the term eighteen months to a new termination date of June 30, 2012; and be it further

RESOLVED, this Agreement is subject to County appropriations; and be it further

RESOLVED, this Agreement is also subject to further financial analysis of the impact of any New York State Budget (the "State Budget") proposed and adopted during the term of this Agreement. The County shall retain the right, upon the occurrence of any release by the Governor of a proposed State Budget and/or the adoption of a State Budget or any amendments thereto, and for a reasonable period of time after such release(s) or adoption(s), to conduct an analysis of the impacts of any such State Budget on County finances. After such analysis, the county shall retain the right to either terminate this Agreement or to renegotiate the amounts and rates approved herein. If the County subsequently offers to pay a reduced amount to the Contractor, then the Contractor shall have the right to terminate this Agreement upon reasonable prior written notice; and be it further

RESOLVED, that all other terms and conditions of the agreement shall remain the same; and be it further

RESOLVED, that the County Executive or his duly authorized designee is hereby authorized to execute and deliver any and all documents and to take all action necessary and appropriate to effectuate the purposes hereof.

RESOLUTION

Original Agreement: \$199,700
First Amendment: \$290,000
This Amendment: \$256,000
Total: \$745,700

Contract No. **IT-888**

Account to be Charged/Credited:

| Year | Fund | Dept | Major Program, Program & Phase Or Unit | Object/ Sub-Object | Trust Account | Dollars |
|------|------|------|--|-----------------------|------------------|-----------|
| 2011 | 161 | 44 | 4110 | 4310-01 | | \$10,000 |
| 2012 | 161 | 44 | 4110 | 4310-01 | | \$5,000 |
| 2011 | 221 | 60 | 0110 | 4420 | | \$160,667 |
| 2012 | 221 | 60 | 0110 | 4420 | | \$80,333 |

Budget Funding Year(s): 2011 & 2012

Start Date: January 1, 2011

End Date: June 30, 2012

Funding Source Tax Dollars: \$241,000

State Aid _____

\$256,000 Federal Aid _____

(must match resolution)

Other: Airport Special Revenue Fund: \$15,000

APPROVED BOARD OF ACQUISITION & CONTRACT - 8-13-2010 DOMARY VIEIRA, SECRETARY