

28155

DATE: July 19, 2012

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

Jay T. Pisco, P.E., Commissioner, Department of Public Works and 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 \$270,000 TO A NEW TOTAL NOT TO EXCEED CONTRACT AMOUNT OF \$1,015,700 AND EXTENDING THE TERM TWENTY-FOUR MONTHS TO A NEW TERMINATION DATE OF JUNE 30, 2014

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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 (Supervisory Control and Data Acquisition) software and Intranet-based systems upgrades for the Department of Environmental Facilities (DEF), for a two year period commencing July 1, 2007 and terminating 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.
- On August 31, 2010, your Honorable Board approved a resolution which authorized an amendment to Contract IT-888 with Malcolm Pirnie, Inc. ("Malcolm Pirnie"), 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 \$256,000 to a new total not to exceed contract amount of \$745,700 and by extending the term to a new termination date of June 30, 2012. The second 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 Ossining; 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 an upgrade to the control system for the Westchester County Airport's deicing system, which is an integral part of their operations. Improvements under this amendment included upgrading the software utilized for the de-icing control system and the ability to remotely view Airport system status and alarms from the County web-based monitoring system. The first amendment also included implementation of a centralized data historian for County SCADA data to support consistent reporting and analysis; enabling and upgrade of 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.
- The second amendment included an extension of on-call services to cover the seven (7) treatment plants, forty-three (43) pump stations and web based systems. In addition, this amendment included implementation of a standard report template to 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; establish filters that reduce the overall volume of alarms by eliminating alarms that refer to problems whose root cause is at another location.
- In addition, the second amendment also included additional work related to the Westchester County Airport deicing system. Subsequent to the software upgrade performed under the first amendment, several control sensors, valves and pumps were replaced and rewired, which necessitated reprogramming within the SCADA system. Airport personnel can now monitor and control the valves remotely and securely from the Administration office and were able to do so during major storms that occurred in 2011 after the programming was completed.
- Many members of Malcolm Pirnie's staff are intimately familiar with the DEF's SCADA system. Because of their expertise regarding the County's Wastewater Treatment Plants (WWTP) and because they are located in White Plains, they are able to quickly respond to the WWTP to resolve problems related to the SCADA system in a professional manner. Malcolm Pirnie's staff's familiarity with our system and proximity has been crucial to enabling the plants to remain in compliance with their operating permits. Over the past five (5) years under this contract, Malcolm Pirnie has also assisted the County in procurement strategies for SCADA work, strategies for coordinating SCADA work, and has developed standards for design and configuration of the systems for use by other consultants to streamline and standardize County systems. They have worked closely with our IT department and DEF to coordinate work and set up security systems for both the plant and web-based SCADA systems.
- This new amendment will continue the on-call services intended to maintain the control room and web based monitoring and control systems active at each of the DEF plants as well as those intended to maintain monitoring and control systems for remote managing of the Airport deicing system. In addition, this amendment will also include several task items identified by the DEF in coordination with the IT department. These include: upgrade of the SCADA software system and historical archiving software, implementation of a centralized reporting structure to allow operational reports to be automatically created in .pdf formats and emailed automatically to DEF plant and management personnel and additional improvements to increase the remote management of the Airport deicing system. In addition, with the accelerated changes in technology, this amendment will include migration of the complex plant control systems to new PCs and servers, utilizing the most recent operating systems and configurations.

- Work under this amendment will be performed only upon authorization by the County via Task Orders. Task Orders for readily definable scopes of work indicate an agreed upon fee. Task Orders for indeterminate scopes of work, such as on-call 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.
- 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 \$270,000 and extending the term twenty-four (24) months.

ACTION REQUESTED:

- Authorization to amend Contract IT-888 with Malcolm Pirnie, Inc., having a place of business located at 44 South Broadway, 15<sup>th</sup> Floor White Plains, NY 10601, for consulting and assistance services for SCADA software and Intranet based systems improvements, by increasing the amount by \$270,000 payable pursuant to an approved schedule, subject to County appropriations, to a new total not to exceed contract amount of \$1,015,700 and to extend the term twenty-four (24) months to a new termination date of June 30, 2014, 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 & CONTRACTS - 08/09/2012 - JOMAR V. MORALES, CLERK

## RESOLUTION

UPON A COMMUNICATION FROM THE CHIEF INFORMATION OFFICER, DEPARTMENT OF INFORMATION TECHNOLOGY, THE COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL FACILITIES AND THE COMMISSIONER, DEPARTMENT OF PUBLIC WORKS AND 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 (Supervisory Control and Data Acquisition) software and Intranet-based systems improvements utilized by Department of Environmental Facilities and the Westchester County Airport, by increasing the amount by \$270,000, payable pursuant to an approved schedule, to a new total not to exceed contract amount of \$1,015,700 and by extending the term twenty-four (24) months to a new termination date of June 30, 2014; 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  
Second Amendment: \$256,000  
**This Amendment: \$270,000**  
Total: \$1,015,700

Contract No. **IT-888**

Account to be Charged/Credited:

Year	Fund	Dept	Major Program, Program & Phase Or Unit	Object/ Sub-Object	Trust Account	Dollars
2012	161	44	4110	4420		\$25,000
2013	161	44	4110	4420		\$25,000
2012	221	60	0110	4420		\$55,000
2013	221	60	0110	4420		\$110,000
2014	221	60	0110	4420		\$55,000

Budget Funding Year(s): 2012, 2013 & 2014

Start Date: July 1, 2012 End Date: June 30, 2014

Funding Source Tax Dollars: \$220,000

State Aid \_\_\_\_\_

Federal Aid \_\_\_\_\_

Other \$50,000.00

(Airport Special Revenue Fund)

**\$270,000**  
(must match resolution)