



**City of Rochester Hills  
AGENDA SUMMARY  
FINANCIAL ITEMS**

**1000 Rochester Hills Dr.  
Rochester Hills, MI 48309  
248.656.4630  
[www.rochesterhills.org](http://www.rochesterhills.org)**

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**Legislative File No:** 2010-0526

**TO:** Mayor and City Council Members  
**FROM:** Paul M. Davis, Acting DPS Director  
**DATE:** December 6, 2010  
**SUBJECT:** 2010 SCADA System Maintenance Contract Increase, City File #E10-015

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**REQUEST:**

City Council is requested to approve a \$10,000.00 increase to the existing contract for Perceptive Controls, Inc. that covers professional service costs for maintaining the Rochester Hills Supervisory Control and Data Acquisition (SCADA) system.

**REASON FOR PURCHASE:**

The SCADA system technology gives the City public works staff the ability to monitor and make remote adjustments to the operation of the public water and sewer utilities. This system's importance is second only to the trained public works staff insuring efficient and reliable water and sewer service is being provided to the City residents and businesses.

Currently, Perceptive Controls, Inc. has a \$60,000 contract for maintenance and for as-needed improvements to the City's SCADA system. The contract primarily consists of annual updates to the control system, hardware updates / replacement, on-site preventative maintenance visits, remote system monitoring, daily phone support, and additional improvements as approved by DPS staff.

Perceptive Controls, Inc. recently suggested a data re-mapping project that would allow for more efficient communications between the various remote SCADA nodes and also allowing for easier additions and/or modifications to the SCADA system in the future. This would include updated hardware, programming and engineering. There are several tasks required for this enhancement. The first task would replace the Programmable Logic Controller (PLC) at the DPS facility with a new processor with improved communications and data management capabilities. The second task would be to modify the data collection software. This would allow for more efficient data management and would allow room for growth throughout the system. The third task would modify the Intellution SCADA application in order to improve the reliability and interpret field data appropriately. All of the above referenced work will be tested and validated prior to implementation in the field. Perceptive Controls, Inc. will also install and debug new hardware and software, visit each remote site and make minor modifications as needed. The project is valuable in keeping the SCADA system current and reliable.

The total project cost is \$52,900 (see attached proposal) and will be completed utilizing the 2010/2011 budgets. Since there is remaining monies in the 2010 budget, we would like to start the re-mapping project in December, 2010 (phase I) and complete the project in 2011 (phase II). If this project was completed in either 2010 or 2011 alone, most of the money budgeted for that year would be depleted. This would limit other needed improvements and would not leave much room for unforeseen repairs and maintenance.

There is \$10,000 budgeted in the Water and Sewer Equipment Maintenance line items that was not part of Perceptive Controls, Inc. original contract (\$60,000). DPS would like to utilize the \$10,000 to the existing contract to complete phase I of the data re-mapping project. Approximately \$21,000 remains in the 2010 budget. Phase I can be completed for \$21,855 while keeping money in the budget for minor and / or emergency updates.

**PROCESS:**

**Vendor Name and Address:**

Perceptive Controls, Inc.  
 951 Industrial Parkway  
 Plainwell, MI 49080

**Reason for Selection:**

Existing Contract

**Method of Purchase:**

Blanket Purchase Order

**BUDGET:**

Monies for the annual maintenance contract were budgeted and approved in the 2010 budget. Also included in the 2010 budget was an additional \$10,000 for SCADA maintenance (equipment) which has not been utilized to date. The approved budget is as follows:

Fund Name	Department Account No	Account No. Description	2010 Budget Amount	Cost spent to Date including Phase I	Remaining Budget
Water Operating & Maintenance Fund	530.801000	Professional Services	\$30,000.00	\$25,427.50	\$4,572.50
Water Operating & Maintenance Fund	530.932000	Maintenance: Equipment	\$5,000.00	\$5,000.00	\$0
Sewer Operating & Maintenance Fund	510.801000	Professional Services	\$30,000.00	\$25,427.50	\$4,572.50
Sewer Operating & Maintenance Fund	510.932000	Maintenance: Equipment	\$5,000.00	\$5,000.00	\$0

**RECOMMENDATION:**

City Council is requested to approve a \$10,000.00 increase to the existing contract for Perceptive Controls, Inc. that covers professional service costs for maintaining the Rochester Hills Supervisory Control and Data Acquisition (SCADA) system.