



City of Rochester Hills
AGENDA SUMMARY
FINANCIAL ITEMS

1000 Rochester Hills Dr.
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Legislative File No: 2012-0354

TO: Mayor and City Council Members
FROM: Allan E. Schneck, P.E., Department of Public Services Director
DATE: October 8, 2012
SUBJECT: SCADA Propagation Study and Consulting Services
City File #E12-020

REQUEST:

City Council is requested to approve the contract between the City of Rochester Hills and RCC Consultants, Inc. to complete a SCADA Propagation Study and for Consulting Services in an amount not to exceed \$120,615.00.

REASON FOR PURCHASE:

The City's Supervisory Control and Data Acquisition (SCADA) system collects and transmits data within the City's 32 square mile perimeter through a radio transmission infrastructure. This operational and performance data is from 36 independent sites that are comprised of sanitary sewer pump stations, water booster stations and pressure reducing valves. The SCADA system is an essential application that gives the City the ability to monitor/manage the sites remotely and will send pre-set alarm notifications through the system, allowing City personnel to respond appropriately and in a timely manner. The current radio system is approximately 12 years old and replacement/repair parts are no longer available.

The City recently requested proposals to complete a radio frequency propagation study of our telemetry system. The study is both a computer simulated model and field verification testing of how a proposed radio system will perform. The results of the study will direct us in determining the most appropriate solution for replacement of our current SCADA radio system.

The tasks below summarize the work that may be completed with this project. Tasks 1-3 will complete the propagation study. Tasks 4 and 5 are considered optional at this point but DPS would like the ability to utilize RCC Consultants, Inc. to complete the procurement documents and provide support during the installation of the new system if required.

Task 1: Needs assessment and recommend solution:	\$22,230
Task 2: System recommendations & reports:	\$ 5,560
Task 3: Five site radio frequency field verification:	\$17,880
Task 3a: Additional five field radio frequency verification:	\$17,880 (if needed)
Task 4: Develop procurement documents, proposal review and conduct contract negotiations:	\$29,680 (optional)
Task 5: Implementation support & system acceptance testing:	\$27,385 (optional)

PROCESS:

Vendor Name and Address:

RCC Consultants, Inc.
2927 Habersham Drive
Tallahassee, FL 32309

Reason for Selection:

Quality Based Selection Process

Method of Purchase:

Contract
Blanket Purchase Order

BUDGET:

This project is not currently in the FY 2012 Budget, but the replacement of the equipment is included as part of the FY 2013 Adopted Budget (\$125,000). If approved by City Council, Fiscal shall bring forth appropriate budget amendments as part of the 4th Quarter Budget Amendment.

To make City Council aware, there were two (2) water and sewer projects that were included in the original adopted FY 2012 Budget that did not need any City funding this year. WS-01E: Crooks Water Main [Star Batt – Hamlin] originally budgeted for \$317,000, was not needed to be replaced as part of the Major Road project in that area; and WS-49F: Avon Bridge Water Main Replacement originally budgeted for \$200,000, was covered as a participating item in the Avon Road Bridge Replacement project and was completed at no cost to the City. Both of these projects were amended out of the FY 2012 Budget in the 2nd Quarter.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Water & Sewer Capital Fund	593.977000	Capital Equipment	\$0.00	\$120,615.00	(\$120,615.00)

RECOMMENDATION:

The Department of Public Services recommends that City Council award a contract to RCC Consultants, Inc. to complete a SCADA Propagation Study and for Consulting Services in an amount not to exceed \$120,615.00.

Attachments: Project Plan and Approach

APPROVALS:	SIGNATURE	DATE
Department Review		
Department Director		
Budget Content: Finance Director		
Purchasing Process: Supervisor of Procurement		
Mayor		
City Council Liaison		