

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
SEPTEMBER 9, 2008 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
SCADA System Radio Design and Installation	Resolution Ordinance ✓ Motion Discussion Only	Robin A. Weaver Interim Director of Public Works

SYNOPSIS

A motion is requested authorizing the execution of a contract for SCADA System Radio Design and Installation Services with Baxter & Woodman Control Systems Integration (BWCSI) of Crystal Lake, Illinois, in the amount of \$75,500.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals for 2007-2012 identified *Exceptional Municipal Organization*. A supporting objective of this goal is *Top Quality Core Services Responsive to Current and Future Community and Citizen Needs*.

FISCAL IMPACT

The FY08 Water Fund Budget allocates \$125,000 for this project. Of this budget amount, \$6,950 has been used to conduct a radio path study.

RECOMMENDATION

Approval on the September 16, 2008 consent agenda

BACKGROUND

The Village of Downers Grove operates 11 remote facilities associated with the Village's water distribution system from a central location through a supervisory control and data acquisition (SCADA) system. Currently, each remote site reports via leased line telephone connections to the Public Works Facility. The cost of leased line telephone connections has increased dramatically, prompting many communities to move away from this communications technology in recent years. Locally, leased lines currently cost the Village in excess of \$25,000 annually. The purchase and operation of the radio system would replace the operation of the telephone lines. The return on investment would be three years.

The Village completed a radio path study in July indicating that a Federal Communications Commission (FCC) licensed VHF radio communication system is feasible and should provide years of reliable communication between the Public Works Facility and the 11 remote sites. A request for proposals (RFP) was issued to seek a qualified vendor to provide a turnkey approach including a design that would accomplish the transition from leased line telephone communications to FCC licensed VHF radio communication and to furnish all materials and services required for a complete installation. RFP documents were sent to seven vendors and published in accordance with the Village's Purchasing Policy with three responses received by the due date of August 13, 2008, as summarized below:

Vendor	Price
Elan Technologies, Inc., New Lenox, IL	\$66,500
Baxter & Woodman Control Systems Integration, Crystal Lake, IL	\$75,500
CDC Enterprises, Inc., Johnsburg, IL	No price proposal was submitted.

A staff review team evaluated the proposals. Baxter & Woodman scored particularly well in the areas of qualifications and experience as well as client references, while Elan Technologies fared better with respect to their fee proposal. When the criteria are considered collectively, Baxter & Woodman presented the strongest overall team and provides the greatest value to the Village on this project. Baxter & Woodman offers the Village an unbiased (they do not represent any radio manufacturers), objective, academic, yet hands-on proposal to install and integrate radios into the Village's existing SCADA system. They are certified partners with several industrial automation suppliers whose components make up the Village's SCADA system including GE Fanuc, Allen-Bradley, Specter Instruments and Microsoft. This is an important consideration because it relates to a higher level of staff training and knowledge of the product, as well as greater resources for technical assistance. Baxter & Woodman also presented more relevant experience with respect to licensed VHF radio installations.

Baxter & Woodman's client references were superior. They have completed recent VHF radio installations for the Village of Oak Forest and the Village of Woodridge. Staff in both communities praised Baxter & Woodman's creativity, their ability to present alternatives, their attention to detail and their willingness to go the extra mile to make sure their work was completed properly. References also commented on the strength of Baxter & Woodman's continuing support, noting their standard 30 minute response time to requests for support and 24 hour per day coverage. In more than one instance, communities have felt strongly enough about the quality of Baxter & Woodman's work that they have contracted with them directly for SCADA system development without going through a competitive procurement process.

This project is scheduled to be substantially complete within 60 days following authorization to proceed with final completion (including training and documentation) within 90 days. The only significant variable that could impact the timeline is the FCC granting a radio license. The return on investment for this project is three years. The radio equipment installed as part of this project has a service life of 10 to 15 years.

ATTACHMENTS

Contract form

IV. PROPOSAL/CONTRACT FORM

*****THIS PROPOSAL, WHEN ACCEPTED AND SIGNED BY AN AUTHORIZED SIGNATORY OF THE VILLAGE OF DOWNERS GROVE, SHALL BECOME A CONTRACT BINDING UPON BOTH PARTIES.**

Entire Block Must Be Completed When A Submitted Bid Is To Be Considered For Award

PROPOSER:

<u>B:W CONTROL SYSTEMS INTEGRATION</u> Company Name	Date: <u>8/13/08</u>
<u>8678 RIDGEFIELD RD</u> Street Address of Company	<u>chris@bwcsi.com</u> Email Address
<u>CRYSTAL LAKE, IL 60012</u> Village, State, Zip	<u>CHRIS SOSNOWSKI</u> Contact Name (Print)
<u>815.788.3600</u> Business Phone	<u>815.788.3600</u> 24-Hour Telephone
<u>815.455.0450</u> Fax	<u>Darrel R. Gavle</u> Signature of Officer, Partner or Sole Proprietor
ATTEST: If a Corporation	<u>DARREL R. GAVLE</u> Print Name & Title <u>PRESIDENT / CEO</u>
_____ Signature of Corporation Secretary	

VILLAGE OF DOWNERS GROVE:

Authorized Signature

Title

Date

ATTEST:

Signature of Village Clerk

Date

In compliance with the specifications, the above-signed offers and agrees, if this Proposal is accepted within 90 calendar days from the date of opening, to furnish any or all of the services upon which prices are quoted, at the price set opposite each item, delivered at the designated point within the time specified above.