

REQUEST FOR PROPOSALS FOR PRELIMINARY ENGINEERING REPORTS FOR A CENTRAL SEWER SYSTEM AND A WATER SYSTEM UPGRADE IN RICO COLORADO

The Town of Rico is seeking an engineering firm or team to provide two preliminary engineering reports. One report will supply a detailed analysis of Rico's water systems with the goal of increasing efficiency, quality and productivity and the other report will address the design and feasibility of a central sewer system for the Town of Rico.

Water Preliminary Engineering Report

The Town of Rico has two diversion points. One is Rico Well #1 dated June 2010 and the other is the Silver Creek Flume dated June 1968. At this time, the Silver Creek system is off-line. The proposed scope of work would include both systems. It would consist of an analysis and feasibility study to determine what it would take to re-activate the Silver Creek System. It would also include an evaluation and upgrade plan that would help resolve an average monthly water loss of 47% from the well system. Finally the Town would like to explore the possibility of combining the two systems to create a more reliable water source.

More specifically the scope of work would include the following:

Silver Creek System

- Evaluate the infiltration gallery and determine what, if any capital improvements may be required. Suggest a maintenance routine and schedule.
- Review and analyze the existing Home Spring filtration system including determining whether or not the Hach turbidity meter should be recalibrated, determining whether the pressure reducing valve that controls the pressure of the raw water into the vessels that hold the initial filters is functioning adequately, and determining whether or not the Home Spring filters are working properly.
- Determine whether or not Silver Creek could be a source for hydroelectric power.

Rico Well system

- Analyze the current condition of the mile long supply line that delivers water from the storage tanks to the Town of Rico.
- Suggest a meter replacement plan, from exterior to interior that would ultimately ensure all meters are functioning properly and can be read remotely and thus confirm that household conservation measures are working.

- Provide the Town of Rico with a proposed water line replacement schedule.
- Evaluate the condition of the water tanks and make recommendations regarding repairs and maintenance.
- Evaluate Rico's water storage capacity and determine whether an additional tank may be required in the future.

System as a whole

- Provide a study of the chemical composition of the water of both the well and Silver Creek to ensure that mixing water from the two systems would not cause corrosion in the pipes and leave Rico with a Flint Michigan type situation.
- Estimate costs associated with the suggested improvements so that the Town of Rico can begin to develop a capital improvement plan.
- Provide a cost estimate for remote sensing (SCADA) controls for data acquisition and historic record trending.

Central Sewer Preliminary Engineering Report

The proposed central sewer system and sewer treatment plant will initially serve Rico's commercial core and in future phases will be expanded to serve the entire Town.

More specifically the scope of work will include the following:

- Provide a proposed alignment of a central sewer system that could be built in phases with the commercial core being the first phase, buildings along Soda, Mantz and River Street being the second phase and the balance of the town being the third phase.
- Provide an analysis of different treatment system options including the possibility of smaller satellite treatment plants and innovative treatment techniques.
- Estimate costs associated with the suggested improvements so that the Town of Rico can begin to develop a capital improvement plan.

Proposals must include the price of an update should that be necessary. Both PERs must meet the standards set forth by the USDA Rural Utilities Service as described in Bulletin 1780-2 so that Rico can ultimately apply for supplementary grant funding and / or a low interest loan through the USDA's Rural Development Program for the construction of the system.

In short, the PERs shall include a description of the Town of Rico including the location, environmental resources present, population trends, and community

engagement. It should also incorporate an inventory of existing facilities including location, history, condition and financial status. Water and energy audits should be included. The PERs will evaluate need for the project, alternatives considered, the selection of an alternative and details of the selected alternative including preliminary project design and project schedule. Permit requirements and sustainability requirements will also be included in the PER. The PERs will include an engineer's opinion of probable cost, and an estimation of annual operations and maintenance as well as an estimate of potential income. The complete requirements for the PER are available at www.ricocolorado.gov. Proposals shall include hourly rates of all personnel expected to be working on this project and resumes of senior personnel. Engineers must be licensed in the State of Colorado.

A mandatory meeting for interested engineering firms will take place on April 30th at 10:00 AM at the Rico Town Hall located on 2 Commercial Street, Rico Colorado. The meeting will include a site visit and Rico public works personnel will be available to answer questions. Submit proposals by May 21th by 5:00 PM, in person to 2 Commercial Street Rico, Colorado, by mail to P.O. Box 9, Rico Colorado, 81332, or email to townmanager@ricocolorado.gov

A selection committee will interview the top three firms during the week of May 28th – 31st. The final date will be determined. The bid will be awarded in early June. The successful applicant should be able to complete the work by early August. For more information contact Kari Distefano at (970) 967-2863 or go to the Rico web site at <http://ricocolorado.gov>.