

Red River Valley Water Supply Project Request for Statement of Qualifications and Preliminary Proposal

June 11, 2010

The Garrison Diversion Conservancy District (GDCCD) is currently requesting Statements of Qualifications and Preliminary Proposals (SOQ/PP) from firms to provide value engineering for the design of the Red River Valley Water Supply Project Pipeline Preliminary Design Report and the Project Operational Plan. The Project Manager shall be certified by the Society of American Value Engineers (SAVE). GDCCD will select a firm using the following process:

- A) The selection committee will conduct an initial evaluation of firms who submit a SOQ/PP. The selection committee will determine the top three firms and conduct phone interviews to obtain clarification on the submittals and to collect additional information. Based on the submittals and phone interviews, the selection committee will determine the best-qualified firm.
- B) After the selection committee has determined the best-qualified firm, all other firms will be notified that the selection process has been completed, and they were not selected. Negotiations with the first ranked firm will then be initiated. If those negotiations are unsuccessful, GDCCD will enter negotiations with the second ranked firm.
- C) GDCCD reserves the right to evaluate the submitted SOQ/PP, to waive any irregularities therein, or to reject any and all SOQ/PP should it be deemed in the best interest of GDCCD.

The deadline for receipt of the SOQ/PP is 2:00 p.m. CST, July 9, 2010. Ranking will take place the following week with phone interviews to follow. It is GDCCD's goal to complete the process and issue contracts by July 23, 2010. The preferred time periods to conduct the value engineering process are the week of August 2 or the week of August 16. The deadline to complete the value engineering report is September 11, 2010.

The SOQ/PP can be emailed or delivered on disk to:

David Johnson, P.E.
District Engineer
Garrison Diversion Conservancy District
PO Box 140
Carrington, North Dakota 58421

If you have any questions concerning the project or the preparation of a SOQ/PP, please contact David Johnson at 701-652-3194 (work), 701-652-5470 (cell), or davidjohnson@daktel.com.

Scope of Services

Introduction

A Final Report on the Red River Valley Water Needs and Options (Needs and Options Report) and a Final Environmental Impact Statement for the Red River Valley Water Supply Project (FEIS) were completed by the United States Department of Interior Bureau of Reclamation (Reclamation) and GDCD, representing the State of North Dakota, as co-leads in 2005 and 2007, respectively, to address water supply shortages within the Red River Valley. In November 2008, a Comprehensive Report of the Red River Valley Water Supply Project was submitted to congress. In the report, the Secretary of the Interior selected the Garrison Diversion Unit (GDU) Import to the Sheyenne River Alternative (Project) as the Preferred Alternative for the Red River Valley Water Supply Project to provide a supplemental water supply to the project area, which includes 13 counties in eastern North Dakota and several Minnesota communities along the Red River. In 2009 and 2010, GDCD completed a preliminary design effort on the main transmission pipeline, which included efforts to obtain options on right-of-way, develop a draft operational plan, complete environmental review and permit applications, and to establish the design criteria for the project.

Background

The Project consists of an intake, biota water treatment plant, and a 122-mile pipeline that will convey treated Missouri River water from the Garrison Diversion Principal Supply Works, more specifically the McClusky Canal, to the Sheyenne River, approximately eight miles north of Lake Ashtabula. The capacity of the system will be 122 cubic feet per second (cfs). As conditions warrant, water will be released from Baldhill Dam (Lake Ashtabula) and transported to the end users via the Sheyenne River and Red River (River System), in addition to meeting certain aquatic needs.

Other features of the Project include: a spur pipeline from the Sheyenne River near Fargo to Wahpeton to supply additional capacity to serve existing and future industrial water demands in southeastern North Dakota near Wahpeton; a Fargo/Cass Rural Water Users District (CRWUD) interconnection pipeline that would interconnect CRWUD to Fargo; a Grand Forks/Grand Forks Trail Water District (GFTWD) interconnection pipeline that would interconnect GFTWD to Grand Forks; and relocation of the Grafton intake five miles downstream on the Red River. Additionally, serving the rural water systems in northeastern North Dakota via a North Branch spur pipeline was considered during Project development in the FEIS.

As GDCD's engineering consultant, the Black & Veatch/AE2S Team (Project Team) was tasked with providing the Preliminary Design Report for the pipeline, developing construction related permits, completing cultural and environmental evaluation along the pipeline, and assisting in obtaining access agreements and easement option agreements for a 150-foot easement.

VE Project Description

This VE will focus only on the pipeline and the overall system Operational Plan.

Pipeline – Following treatment, high service pumps located within the biota water treatment plant will convey the water through a proposed 122-mile long, 122 cfs pipeline eastward to the Upper Sheyenne River. Located at the end of the pipeline adjacent to the Upper Sheyenne River, the proposed Discharge Facilities will consist of a Valve House and Energy Dissipation Structure. The other pipeline features include:

- 66-inch diameter steel pipeline, cement lined, inside welded joints
- 66-inch butterfly isolation valves
- Air/Vacuum Relief Facilities, blowoffs
- Fiber Optic SCADA system
- Corrosion Control Plan
- Agriculture Land Restoration Plan

As a part of the FEIS process, a 400-foot corridor for the pipeline was established; therefore, evaluation of other corridors will not be a part of this VE evaluation. GDCD has obtained easement options on about 75% of the right-of-way.

Operational Plan - The objective of the Operational Plan is to develop a framework for delivering the project water through the Project to and through the River System to the contracted end users. The plan includes key triggers for operating the pipeline delivery system, accounting for gains and losses of water in the River System and the end users' consumption of their contracted water at their intakes of treatment or delivery facilities. It also provides a plan for managing water quality through the system. A key feature of the plan is the development of a water accountability method to ensure all of the mandated environmental obligations are met and existing rights within the Sheyenne and Red Rivers are protected and coordinated with the delivery of project water to the end users.

Criteria for Evaluation of the SOQ/PP

The criteria for both evaluating and ranking the firms will include the following:

1. The education, experience and expertise of the VE team members. The District expects the team listed in the proposal to perform the work on the project. (Any proposed Project Manager without SAVE certification will disqualify the firm's proposal.)
2. The firm's specific experience history of performance on similar VE projects.
3. Availability of the proposed personnel to perform the required work in the timeframe of the value engineering review.
4. The firm's approach to the planning, organizing and management of the VE project effort, including communications procedures, approach to problem solving, cost estimating, quality improvement program and similar factors.

5. Recommendations and opinions of each firm's previous clients as to its ability to meet deadlines and remain within budget.

Instructions for Preparation of SOQ/PP

General

In order to minimize the work of the firms initially submitting and the review time required by the selection committee, the following instructions should be followed in preparing the SOQ/PP. We ask firms to judge for themselves if they feel qualified to perform the work, and if they do, to submit to this request.

* Organize the submittal into the following sections:

- Section 1 - Project Organization
- Section 2 - General Information about the firm
- Section 3 - Experience Record and References
- Section 4 - VE Session Approach
- Section 5 - Estimated Cost of the Preliminary Proposal
- Section 6 - Summary

* Limit the contents of the submittal to that described for each section.

* Be succinct.

Section 1 - Project Organization

Provide the following information about the organization or team which you would establish for this particular project.

* Name of firm(s)

* Relationship of the firms, if more than one.

Will relationship be a joint venture or a prime-sub type? If prime-sub type, state which firm will be the prime and what role the subs will play in the project.

* Key personnel expected to be assigned to the project.

List the VE team members on the project. If more than one firm is involved, provide this information for each firm and clearly indicate who will serve as project manager for the entire team.

* Brief Resumes

Provide an abbreviated resume for each individual listed in the project organization. Include the following information in each resume:

- Name
- Title within the firm
- Project assignment
- Education - degree/year/university/specialty
- Registration - state/year
- Certifications or special training that relate to VE reviews
- Number of years with current firm
- Summary of experience relative to this type of project

Section 2 - General Information about the Firm

- * Type of firm (private/public corporation, partnership)
- * Number of years in business
- * Office locations - list home office and office of Project Manager
- * Type of services firm normally provides
- * Technology capabilities
- * Availability of personnel for the project
- * Professional liability insurance - limit of current coverage

Section 3 - Experience Record and References

Prepare a tabulation of information about three projects performed by the firm during the last ten years which best illustrates the firm's ability to perform services required for this project. Following is the minimum information required:

- * Location of project and owner; provide name of an individual, address and phone of owner representative who is personally familiar with the project
- * Characteristics of the facility: comparable pipeline size and other project characteristics that reflect the Red River Valley Water Supply Project elements in review
- * Brief description of the project and results of the review

The described experience referenced should reflect upon the Project Manager. The submittal may include an additional project to represent experience of any other firms involved in the project to highlight their skills. The projects highlighted should note the key people who participated in that project and their role.

Section 4 - Approach

The Project is a major investment for the State of North Dakota and the local water users. GDCD is concerned with the following critical areas in regards to this Project:

- Economy, reliability and efficiency of the final recommended technology
- Life cycle cost control
- Maintenance and maintainability
- Constructability
- Restoration of the pipeline corridor
- Environmental impacts and mitigation

In this section, prepare a preliminary proposal on how the firm will evaluate the pipeline Preliminary Design and project Operational Plan. Include what key elements the firm feels are critical in the decision-making process.

Subsequent to your review of the overall scope of the project, GDCD would be interested in any comments which may differ from or serve to strengthen the overall project.

Section 5 – Estimated Cost of Preliminary Proposal

In this section, prepare a cost estimate of the preliminary proposal described in Section 4.

In addition to the selected project team, GDCD anticipates inviting up to five additional individuals to participate in the process. The number and type of professionals that GDCD invites will depend on the approach of the selected team and interest level from stakeholders. The cost estimate should recognize any additional facilitation costs of adding the individuals. The salary, travel and expenses for these individuals will be paid by GDCD or the sponsoring entity.

Section 6 - Summary

In this section, summarize your entire submittal as described in Sections 1-4 and add any other comments about your firm which you feel would make you uniquely qualified to perform this project.