



Village of Antioch

Request for Qualifications

Feasibility/Cost Study

Lake Michigan Water Supply Alternatives

The Village of Antioch is requesting statements of qualifications from qualified engineering consultants to conduct a feasibility/cost study. The intent of the study is to independently assess and evaluate the feasible alternatives to provide the Village of Antioch with Lake Michigan water. The Village has secured allocation.

The broad objective of the study is to identify and evaluate up to three different alternatives of how treated Lake Michigan water could be pumped and delivered to the Village's existing distribution system. Potential teaming partners with available water treatment capacity will be identified. In addition, entities along the transmission main route who may be interested in sharing in the cost of the infrastructure improvements or purchasing water should also be identified.

SCOPE OF WORK

A. Study Objectives

1. Provide a comparison of up to three water supply alternatives as directed by the Village. Estimate the current available capacity and potential for future capacity expansion at each facility if needed. Estimate the cost per thousand gallons for the current available capacity as well as the cost per thousand gallons if capacity expansion is needed.
2. Provide a comparison of various transmission main routes for delivering the treated water to the Village's distribution system. Estimate the cost of construction for each alternative. Estimated costs and schedule for right-of-way, land acquisition, engineering, legal and administration costs shall be included.
3. Provide summary of all estimated project costs for both treatment and transmission main improvements. Subsequently, include scenarios where teaming partners could share in the infrastructure cost to lower the cost impact to the Village.
4. Provide an analysis of Village distributions system upgrades that may be required to accept delivered water such as pipe resizing, pumping stations, and storage reservoirs with respective costs.





B. Study Requirements

The study is to be performed in conformance with the following policy directions:

1. Review all owner supplied previously conducted engineering studies, documents, system maps and proposals to gain complete understanding of alternatives being considered.
2. Consultant must identify if it has previously worked on projects relating to supplying Lake Michigan water that required them to be directly involved with the following agencies: Central Lake County Joint Action Water Agency (CLCJAWA) or the North-West Lake County Lake Michigan Water Planning Group, City of Waukegan and the Lake County Public Water District.
3. The study will consider and gather approximate cost per thousand gallon and connection fee pricing from up to three different water treatment plants.
4. Preliminary hydraulic review shall be done to reasonably estimate the number of booster pump stations, storage, and other major infrastructure needs. A conceptual overall hydraulic profile of each transmission main route shall be provided. Existing contour maps are sufficient for this task and no field survey is required at this time.
5. Provide a preliminary summary of environmental concerns such as wetlands, savannas, archeological, river crossings and threatened and endangered species for each route.
6. Provide a summary of agency coordination and permits required to complete the work.
7. Provide a preliminary summary of potential land acquisition and easements that would be required for booster pumps stations, storage tanks, water main, and other infrastructure.
8. Provide a list of improvements and approximate costs required to connect the new water supply to Antioch's existing distribution system, and to match existing system pressure.
9. Study will analyze up to three sources and identify existing system advantages or disadvantages to existing system intakes, treatment methods, water quality, delivery methods and delivery pressure.





C. Services to be Provided by Consultant

1. Conduct a review of the existing water system and previous studies.
2. Meet or confer with staff as needed and attend two meetings with the Village Board in a working session to present the interim status of the study and obtain their input. Meet with a special committee during one meeting to obtain comments.
3. Conduct analyses as required to address the scope of work.
4. Supply a time schedule for developing the preliminary and final reports. The final report shall be delivered to the Village by April 30, 2014 (date is approximate and subject to change).
5. Preliminary Report:
 - a. Prepare a preliminary study report with associated maps and exhibits.
 - b. Submit 10 copies
 - c. Present preliminary report to staff and/or committee for comments.
 - d. Present preliminary report to the Village Board.
6. Final Report
 - a. Incorporate changes pursuant to comments received at the first presentation.
 - b. Submit 10 copies, plus one reproducible copy.
 - c. Provide a disk with report in MS Word format.
 - d. Present the final report to the Village Board and members of the public at a regular Board meeting.

D. Service to be Provided by the Village of Antioch

The services to be provided by the Village of Antioch include, but are not necessarily limited to the following:

1. Furnish all reasonably available records and information, including engineering reports, drawings, budgets, operating reports, and consumption data.
2. Provide staff and engineering support and assistance as required and agreed to in advance of study.

PROPOSAL SUBMITTAL

- A. The following information is to be submitted as part of the proposal. Five copies of the proposal are to be provided. The proposal is to be organized into the following categories:





1. Project Approach: Describe your approach to this project and any special ideas, techniques, or suggestions that you think might make the project proceed smoothly.
2. Experience: Describe the experience of the firm and of the individuals assigned with related projects of a similar nature. Provide at least three references.
3. Qualifications: Describe your firm's unique qualifications and training for this type of work.
4. Schedule: Describe your plan/schedule for completing the work.
5. In a separate, sealed envelope, a lump sum fee proposal for all aspects of study shall be included as a basis to determine the affordability of the consultant after qualitative ranking.

B. Deadline for submission of proposals:

Interested firms must submit proposals by 3:00 pm January 17, 2014 to:

Jim Keim, P.E., Village Administrator
Village of Antioch
874 Main Street
Antioch, IL 60002

Proposal should be marked:

"Feasibility/Cost Study – Lake Michigan Water Supply Alternatives"

SELECTION OF CONSULTANT

Proposals will be evaluated by Village staff as well as Village Board members. They will be evaluated on the basis of experience, qualifications, your approach to the project, and any innovative ideas you have for making the project successful.

Final selection will be based on the evaluation of proposals unless it is deemed necessary by the Committee to conduct interviews of closely scored consultants. The consultant determined best qualified to perform this project, within budgetary constraints, will be recommended to the Village Board for contract award.

The Village Board may reject any proposal or firm that in the sole discretion of the Village Board may not serve the best interest of the Village of Antioch.

