



CITY OF FORT PIERRE

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March 10, 2023

Interested Engineering Firm

RE: Request for Proposals for Engineering a 1 million Gallon Water Storage Reservoir and Connecting Piping Project for the City of Fort Pierre, South Dakota.

Interested Engineering Firm,

Attached is a request for a proposal for engineering services to design, prepare bid and construction documents and perform construction observation for a 1-million-gallon ground storage reservoir and connection piping to the existing system.

Please review and provide your proposal to the City of Fort Pierre, no later than April 7, 2023 by 5:00 PM central time. Proposals may be submitted by email to R.Hahn@FortPierre.com.

If you have any comments or questions, please contact this office.

Sincerely,

Richard Hahn PE
Director of Publics Works
City of Fort Pierre, South Dakota

Enclosures (RFP 1 MG Ground Storage Reservoir and connecting Piping)

CC: File (W2023 Reservoir and Connecting Piping Project)
Gloria Hansen, Mayor, City of Fort Pierre
Roxanne Heezen, Finance Officer, City of Fort Pierre

**Request for Proposals for Engineering
For a 1 million Gallon Water Storage
Reservoir and Connecting Piping Project**
City of Fort Pierre, South Dakota.

I. Purpose

The City of Fort Pierre is requesting a proposal from qualified engineering firms with experience in the design and construction of one-million-gallon water storage reservoir and connecting water mains. More specifically this engineering project will include: (Refer to the attached map for location and descriptions)

- Supplemental Engineering Report to update the current engineering report
- Complete the Environmental review required to meet the SRF and ARPA funding requirements.
- Prepare plans and specifications for the base bid and alternates.
- Bid and Construction Phase Services (Administration and Observation)

The City reserves the right to reject any or all RFPs, to waive any informality or irregularity in any RFP received, and to be the sole judge of the merits of the respective RFPs received.

The Engineer will be selected primarily on the basis of the demonstrated competence and qualification for the type of services required for this project, and the Engineer will be an integral member of the Project Team, consisting of the Engineer, Contractor, and City staff personnel. Secondary considerations include cost and ability to maintain the schedule of deliverables.

II. Questions Pertaining to the RFP

Any questions related to the project that are not answered in the RFP must be in writing and directed to:

Richard Hahn PE
Director of Public Works
City of Fort Pierre, South Dakota
R.Hahn@FortPierre.com
(605) 223-7690

III. Scope of Services (Refer to the Attached Map for location and Descriptions)

- a. Prepare supplemental report to the September 2021 Water System Study City of Fort Pierre by Interstate Engineering. This supplemental report shall include project updates/descriptions and the necessary environmental review to meet the SRF and ARPA funding requirements. Any changes in the project resulting in additional field work required for archaeological, wetland delineation, or other field studies will be considered additional services and incorporated by addendum when scope of work is determined.
- b. Base Bid: Prepare construction and bidding documents for a new 1-million-gallon ground storage reservoir and approximately 2,400 LF of 12" connecting watermain. The documents shall include the size, location, and necessary connections to the existing water distribution system. Scope of work to include design, drawings, front end documents, technical specifications, survey and documents needed for easements and land purchase, bidding, and construction phase engineering services.

- c. Alternate 1: Prepare construction and bidding documents for a new transmission main between storage reservoirs consisting of approximately 11,500 LF of 10-inch water main. The documents shall include the size, location, and necessary connections to the existing water distribution. Scope of work to include design, drawings, front end documents, technical specifications, survey, and documents needed for easements and land purchase, bidding, and construction phase engineering services.
- d. Alternate 2: Prepare construction and bidding documents for a cost-effective pressure booster pump facility to fill the reservoir from the existing water distribution system. Scope of work to include design, drawings, front end documents, technical specifications, survey and documents needed for easements and land purchase, bidding, and construction phase engineering services. This alternate may be utilized if Alternate 1 is not sufficiently funded.
- e. Alternate 3: Prepare construction and bidding documents for a new transmission main from Highway 1806 to the main trunk N-S line consisting of approximately 1,900 LF. of 12-inch water main. The documents shall include the size, location, and necessary connections to the existing water distribution. Scope of work to include design, drawings, front end documents, technical specifications, survey, and documents needed for easements and land purchase, bidding, and construction phase engineering services.
- f. Alternate 4: Prepare demolition and bidding documents for the demolition of the existing 350,000-gallon steel water storage tank. Scope of work to include demolition drawings, front end documents, technical specifications, bidding, and construction phase engineering services.
- g. Provide Engineers estimate of probable construction cost for a future 10-inch source line between West River Lyman Jones RWS (WRLJ) Mud Butte Tank and the new ground storage reservoir. The documents shall include the size, and map of the general location of the proposed new water source connection. Scope of work to include detailed estimate of probable costs.

Construction Observation shall be based on a “part time” basis. Expectation is to be on-site to observe and document construction activity and on site during critical construction activity. Observation shall be sufficient to ensure compliance with the design drawings and specifications and provide adequate quality assurance.

The work shall be performed in cooperation with the City Staff, Central South Dakota Enhancement District (CSDDED) and SDDNAR.

IV. Instructions to Proposers

- 1) Prior experience in work similar to the scope of this project.
- 2) Prior experience in working with the noted regulatory and funding agencies.
- 3) Proposal for the study to be broken down into the following independent areas as indicated below:
 - a) Prepare the report supplement and environmental review.
 - b) Prepare construction and bidding documents for Base Bid, Bid Alternate 1, Bid Alternate 3, and the engineer’s cost estimate for the future WRLJ water line. The engineering services scope of

work to include design, drawings, Front End documents, technical specifications, bidding, and construction phase engineering services. Engineer shall contract with a geotechnical firm to obtain soils information necessary for the design services. Include SCADA Coordination with existing system.

- c) Topographic and Land Surveys necessary for design, easements and land purchase as may be necessary for Base Bid, Bid Alternate 1, Bid Alternate 3 and Bid Alternate 4. Construction services shall be included as necessary to inform the contractor of construction limits, grades, alignment and control points.
 - d) Prepare a separate line item for design, bidding, and construction phase services for Bid Alternate 2. If Alternate 1 is not sufficiently funded, then Alternate 2 may be ordered. This will include the necessary topographic and land surveys necessary for design, easements, and land purchase as may be necessary for the Booster Station site and piping. Engineer shall contract with a geotechnical firm to obtain soils information necessary for the design services. Include SCADA Coordination with existing system.
- 4) Coordination and design needed to integrate the project into the City's existing SCADA system.
 - 5) The necessary permitting shall be included in each line item as necessitated to complete the design and construction.
 - 6) Preliminary plan submittal for review by City and other regulatory agencies.
 - 7) City meeting with staff and presentation to City Council as may be necessitated.

V. The Schedule for deliverables:

- 1. April 7, 2023 — Email submit proposal for Engineering Services as described above by 5:00 PM (Central Time) to Rick Hahn, R.Hahn@FortPierre.com
- 2. Within 45 Days from the Notice to Proceed — submit supplemental environmental report to funding agency.
- 3. Within 120 Days from Notice to Proceed — Base Bid, Bid Alternate 1, Bid Alternate 3 and Bid Alternate 4: Water Storage Facility and approximately 2400 LF of 12" Connecting Watermain segment and 1,900 LF of 12" Water Main Construction Documents, and Demolition of Water Tank ready for bidding.
- 4. Within 120 Days from Notice to Proceed for Alternate 2 —Alternate 2 Construction Documents ready for bidding.
- 5. As-built documents for each phase within 4 months after completion of the phase of construction.

Alternate completion dates will be considered.

The City Council will review the proposals to determine the professional best suited to perform the work for the city and the final scope of the study. The proposals will be reviewed based on the following criteria:

- 1. The quality and success of past projects that are similar in scope and nature.
- 2. Experience and capabilities of the personnel working on the project.
- 3. Schedule for completing the work.
- 4. Estimated cost to perform the work.

Please provide your proposal to the City of Fort Pierre, no later than April 7, 2023 by 5:00 PM central time. Proposals may be submitted by email to R.Hahn@FortPierre.com.

2023 Fort Pierre Water System Projects

