

**20-0077 - Professional Engineering Services New Well Selection and Design for the Sioux Falls Water Purification Plant**

**Answers to Questions:**

**Question:**

Is there a target well and/or total well field flow rate for the project?

**Answer:**

The target well field flow rate are to be determined (TBD) to maximize the continuous draw from the aquifer in the selected well field.

**Question:**

Section 1.04, Return Mailing Address and Deadline for Receipt of Proposals. The RFP states that two hard copies and USB be delivered to Purchasing Office in a sealed envelope. In light of the COVID-19 issues, will the City entertain receiving the proposals electronically?

**Answer:**

The City is exploring this route for future proposals but at this time is sticking to the requirements posted in this RFP.

**Question:**

Section 3.01, Submittal Requirements. The table on page 7 (copied below) states the scope should be submitted through preliminary design. This infers that final design and bidding scope and hours are not to be submitted. Additionally, under project understanding and Approach it states outline...how...understanding and experience...will be used to complete the initial scope of work through design, bidding, and construction." Does that mean just provide preliminary design scope? Is it the intent that the proposal include the Scope of Services for Preliminary Design, Final Design and Bidding and to include these tasks and hours in the Work Breakdown?

**Answer:**

The Intent of the proposal is to include services necessary to complete Final Design only. Bidding phase services will be amended to the initial contract based on the results of the design work. A separate agreement will be completed for the Construction Administration services portion of the project.

**Question:**

Section 3.02, task 1.1 – Project Management. The RFP states, *Coordinate any additional geotechnical work necessary for the well design performed as a subconsultant*. Please clarify if the intent is to have the City hire the Geotech or if it should be a subconsultant of the Firm. In other sections it states that the City has already hired a geotech firm.

**Answer:**

If additional geotechnical work is necessary to complete the Final Design it shall be completed by the selected consultant and be included in this proposal.

**Question:**

Section 3.02, Task Series 3 – Work Pricing, Breakdown, and Schedule. Subparagraph 1 states to “provide pricing for project scope”. However, subparagraph 2 states that “Direct costs, indirect costs, and total project costs are not to be included in the RFP.” Additionally, Section 1.04 states that pricing be submitted in a separate sealed envelope. Please clarify.

**Answer:**

The consultant shall not include any of their costs in the proposal. The consultant shall include only the cost to the city for the proposed work and deliverables.

**Question:**

In the past, the City has requested scope and hours in the design contract for services to get the project awarded to the contractor, have a pre-con mtg, and possibly review some early shop drawings. This seems to be a new standard practice from City Public Works. Will that be considered for this project?

**Answer:**

Bidding phase services will be amended to the initial contract based on the results of the design work. A separate agreement will be completed for the Construction Administration services portion of the project.

**Question:**

Would the City elaborate more on the hydrogeological scope of work they have contracted with the geotechnical and well drilling company? What is the scale and scope (pumping rate and duration) of the proposed aquifer hydrotest? What analyses will be performed on the cores collected at monitoring and hydrotest wells?

**Answer:**

During monitor well installation the USGS will (1) document geologic lithology at well bore sites; (2) record the water level at the well after installation; (3) record lithologic and water-level data in USGS database; and (4) document thicknesses of lithologic units and identification of contacts.

Each monitoring well will be slug tested. The aquifer test will be conducted using the existing city well #54 and monitoring water levels in the monitoring wells installed in the well field property.

Continuous (hourly water-level recordings) water-level monitoring to measure aquifer response to recharge from precipitation and streams throughout the summer and fall of 2020

**Question:**

RFP Exhibit 2 presents USGS modeled drawdown and impact to existing wells for two potential well locations having pumping rates based on aquifer parameters extrapolated from remote sensing methods. Should the City's geotechnical field investigations find that the aquifer parameters differ from that assumed by the USGS, will consultant selected well locations/pumping rates need to be modeled with the USGS's groundwater model? If so, will the consultant or USGS be performing the modeling, and will the USGS model be available if the consultant is performing the modeling?

**Answer:**

Any additional modeling that may be necessary would be the responsibility of the City in conjunction with the USGS.

**Question:**

In Section 3.02, Task 2.2 Part 3, it directs bidder to review and design a backup generator to be sized for "the New Source Water Well, in addition to existing wells in the area, and future wells included in the Wellfield Development Plan." How much power is anticipated to be required for future and existing wells in the area?

**Answer:**

Future well power requirements is to be determined through this final design process.

Existing wells in the area to be powered by the proposed backup generator includes ten (10) individual gravel pack wells (City well #'s 48 – 58) and one (1) collector well (City well # 70). The combined horse power of these 11 well pumps is 190 HP.

**Question:**

Is Section 3.02, Task Series 3 asking for the proposed sum (broken out by task) to complete plan and design through construction deliverables, not to include material or construction costs?

**Answer:**

The consultants shall provide total cost to city for the proposed Final Design requested by the City. The consultant shall provide a breakdown of that total cost by task. Do not include any costs incurred by the consultant to produce the final design. In addition to the cost to the city for the Final Design the consultant shall provide estimated costs for the construction of the wells included in the proposed Final Design.

**Question:**

The RFP Background indicates that the City of Sioux Falls has already contracted with a geotechnical and well drilling company. What company has been contracted for this work? Will the awarded contractor

be expected to subcontract this company or work with and review their wellfield development plan provided by the City?

**Answer:**

The awarded consultant will not be limited in their selection for a geotechnical company to sub-contract with. The awarded consultant shall review geotechnical information provided by the city.