



CITY OF RAPID CITY

Engineering Services

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January 9, 2007

To: Public Works Committee/City Council

Ref: Request for Authorization to Seek Proposals
Elk Vale Reservoir
Project No. W07- 1638 / CIP #50321

The Rapid City Council has appropriated \$3,500,000.00 from the Utility Facility Fund for design and construction of a water reservoir in the Elk Vale Road Area. In addition Tax Increment District No. 42 has identified reimbursement of up to \$5,225,000.00 for design and construction of reservoirs in the Elk Vale Road area.

The City has identified a need for a low level reservoir in this area to meet existing needs within the Low Level pressure zone. The City anticipates future development in the area will expedite the need for a high level reservoir to service the North Rapid High Level pressure zone. Therefore, this project will explore the cost, location, and feasibility of constructing one or both reservoirs. This project will consist of the evaluation, design and construction of a low level reservoir, a high level reservoir, or both.

A conclusion and recommendation of a previous water study for this area states "Construct new Low Level Storage Tank with a minimum capacity of 2.0 MG. If this low level storage tank is constructed before completion of the City's master plan, we feel it would be prudent to construct a 3.0 MG tank." The City is in the process of developing a water geodatabase and a water modeling program for the entire City system. It is anticipated this geodatabase and model will be available for use by the consultant selected for this project in April 2007 for final sizing of these reservoirs.

Once the size and subsequent cost for each reservoir are determined the City can analyze available funding, determine if it is adequate, identify and possibly secure additional funding, if necessary, for both reservoirs or conclude to design and construct one reservoir.

A consultant will be selected for this project in accordance with the City of Rapid City's current Consultant Selection Policy. Consultants will be evaluated on their ability to conduct all phases of the project. The selected consultant will initially be contracted for the Preliminary Design Phase services. Upon successful completion of the Preliminary Design Phase the consultant we will contract with the consultant for subsequent phases of the project.



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