

COUNCIL ACTION FORM

SUBJECT: ENGINEERING SERVICES AGREEMENT FOR SANITARY SEWER SYSTEM EVALUATION – PLANNING AND DESIGN

BACKGROUND:

The ability of the sanitary sewer system to convey wastewater well into the future is dependent on the removal of the current large amount of infiltration and inflow (“I & I,” or I/I). This I/I in the system occurs during rain events. In order to minimize the need for costly expansions to the City’s Water Pollution Control (WPC) facility, as well as to convey flows from new development as the City grows, the City must work to reduce the overall I/I in the system.

A study was conducted of the entire sanitary sewer system. This comprehensive and systematic evaluation identified the defects that could contribute I/I across the entire, City-wide sanitary sewer system. It also involved prioritizing those defects and estimating rehabilitation costs so that repairs can be made as part of the annual Capital Improvements Plan (CIP).

This evaluation identified that there are over \$25 million worth system improvements needed. CIP projects for the sanitary sewer system are now based on the results of this evaluation. Projects include rehabilitation, such as the lining of existing mains or spray lining of existing structures, as well as complete removal and replacement of structures and sanitary sewer mains. These projects were funded in the CIP beginning in FY 2014/15. Funding will come from State Revolving Fund (SRF) loans in the amount of \$3,270,000 for each year with additional funding increases shown in the CIP. Repayment of the SRF loans will be from revenues generated in the Sanitary Sewer Fund.

A SRF Planning and Design Loan for \$375,000 was approved by City Council at the August 23, 2016 Council meeting. This loan was secured in order to hire a consultant to help determine the best action plan for implementation of system repairs, as well as for design services for the next two years of the projects.

Proposals for this work were received from two engineering firms, and were evaluated according to the following criteria: Project Understanding, Design Team, Key Personnel, Previous Experience, Project Approach, Responsiveness, Ability to Perform Work, Proposed Project Design/Letting Schedule, and Estimated Contract Cost. Listed below is the rating information based on this evaluation:

Sanitary Sewer System Written Evaluation Proposal Ratings			
Firm	Score/100	Rank	Estimated Fee
WHKS & Co.	84	1	\$350,000
Veenstra & Kimm	78	2	\$375,000

WHKS & Co. scored the highest and has extensive experience in sanitary sewer rehabilitation methods. WHKS & Co. was also part of the team, with Veenstra & Kimm, on the first planning and design contract. This allowed them to develop significant knowledge of our sanitary sewer system and allowed staff to become familiar with their team structure.

ALTERNATIVES:

1. Approve the engineering services agreement for the Sanitary Sewer System Evaluation Planning and Design with WHKS & Company from Ames, Iowa, in an amount not to exceed \$350,000.
2. Direct staff to negotiate an engineering agreement with another consulting firm(s).
3. Direct staff to make changes to the project.

MANAGER’S RECOMMENDED ACTION:

Entering into the Engineering Services Agreement for the SRF Planning & Design agreement is the next step in the process of accomplishing the design of the prioritized repairs needed in our sanitary sewer system.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the engineering services agreement for the Sanitary Sewer System Evaluation Planning and Design with WHKS & Company from Ames, Iowa, in an amount not to exceed \$350,000.