

COUNCIL ACTION FORM

SUBJECT: SANITARY SEWER SYSTEM EVALUATION CHANGE ORDER

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) in the system that occurs during rain events. In order to minimize the need for costly expansions to the 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. To help accomplish this goal, a 2008 Sanitary Sewer System Study recommended development of a full Sanitary Sewer System Evaluation (SSSE).

This evaluation is a comprehensive and systematic program for identifying the defects that may contribute I/I across the entire City-wide sanitary sewer system. It also involves prioritizing those defects and establishing rehabilitation costs so that repairs can be included in the Capital Improvements Plan. The SSSE program generally consists of the following tasks: data collection, sewer televising, smoke testing, manhole inspection, flow monitoring and hydraulic modeling. Not only does the SSSE identify sources of I/I, it also identifies areas of aging infrastructure in need of repair to prevent unexpected failures and emergency repairs.

On March 27, 2012, the City Council approved a contract in the amount of \$2,198,500 with Veenstra & Kimm (V&K) engineering consultants to complete the SSSE. As the data collection phase now nears completion, it has become evident that investigation of the siphons (which enable flow of water beneath rivers and creeks) should also have been included in the original contract. Therefore, a change order to the contract is now being requested to accomplish this work. The proposed change order also includes additional funding for heavy cleaning of sanitary sewers and additional flow meters/flow monitoring. Additional needs beyond those identified in the original contract have been identified for areas that cannot be cleaned by City crews, due to the nature of the needed equipment. The overall change order is for an amount not to exceed \$263,250. This will increase the overall contract amount to \$2,461,750.

This project was included in the 2010/11, 2011/12, and 2012/13 approved budgets and Capital Improvement Plans, with total financing of \$2,560,000 in the Sanitary Sewer Fund.

ALTERNATIVES:

1. Approve the change order to the Engineering Services Agreement with Veenstra & Kimm for the Sanitary Sewer System Evaluation in an amount not to exceed \$263,250.
2. Reject the change order.

MANAGER'S RECOMMENDED ACTION:

Additional SSSE tasks have been identified and need to be added to this large contract. This includes evaluating the aged siphons, which are an important part of the City's sanitary sewer collection system, as well as additional heavy cleaning of sanitary sewers in areas that cannot be completed by City crews.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the Change Order to Engineering Services Agreement with Veenstra & Kimm for the Sanitary Sewer System Evaluation in an amount not to exceed \$263,250.