



STAFF REPORT TO THE CITY COUNCIL

DATE: Regular Meeting of January 22, 2019

TO: Members of the City Council

SUBMITTED BY: Michael Roberts, Public Works Director/City Engineer

SUBJECT: Agreement with West Yost for Engineering Services to Advance the Wastewater Program

RECOMMENDED ACTION:

Adopt a resolution authorizing the City Manager to execute an agreement with West Yost in the not to exceed amount of \$153,039 for engineering services to advance the City's wastewater program.

FISCAL IMPACT OF RECOMMENDATION:

The cost for this contract is included in the Sewer Fund in the adopted FY 2018-19 Budget.

DISCUSSION:

West Yost is a prequalified wastewater consultant on the Council-adopted vendor list and has been providing the City wastewater engineering expertise since 2016. They initially completed the Wastewater Collection System Program Assessment which mapped out system-wide modifications and improvements to be implemented moving forward. At the direction of City staff, they then proceeded with identified tasks including creating the technical specifications for the top down cleaning and televising of the City's collection system, localized flow monitoring and modeling for the capital improvement program including the Sycamore Trunk Main and future development such as the Bayfront development, and overseeing the procurement process to select a consultant for the Wastewater Utility Financial Plan and Fee Review study. This work has been completed at a high level and the knowledge West Yost has gained of the City's collection system makes them the most qualified consultant and best option to advance the wastewater program given current City staffing levels.

Tasks in West Yost's scope of work, which are time sensitive and program priorities, consist of:

1. 2008 Master Plan Update - This task consists of flow monitoring and utilizing growth projection data to build and validate a computerized hydraulic model of the City's backbone system using commercial software. The hydraulic model will then be used to evaluate the need to replace the upper Sycamore Trunk Main from Duck Pond Park to Partridge Drive with a larger pipe as identified in the current plan, system modifications to decommission the Promenade Lift Station to accommodate the Regional Intermodal Transportation Center

central plaza, need to expand the Industrial Lift Station to accommodate growth from the Muir Pointe and Bayfront developments, and other identified backbone system improvements.

2. Staff Augmentation – Work items under this task are diverse and would benefit from the wide range of expertise offered by West Yost. They include:
 - a) Daily management and technical support for the Wastewater Utility Financial Plan and Fee Review being completed by Willdan. This study will develop a comprehensive financial plan, including a customized Excel model which will project Sewer Fund results for the next 10 years given financial data including utility rates, revenues, capital project and operations expenditures, debt commitments, and the like. The study will also review and determine the effectiveness and adequacy of existing rates, connection fees and impacts fees.
 - b) Review, scoping, and potential development of technical specifications to address structural defects identified in the City's CCTV inspection of the collection system. The highest priority defects to address are the cement mortar pipe lining failure on the steel sewer pipes on Willow Avenue between Sycamore and the freeway hook ramps and the tuberculation/heavy deposits on the sewer main under State Route 4 from Foxboro to Willow. Other work includes technical specifications for rehabilitating sewer manholes and sewer lines.
 - c) Scoping and potentially procuring an engineering design consultant for the Industrial Lift Station expansion project.
 - d) Other design related tasks to be determined.

The agreement is anticipated to provide wastewater engineering services through 2019 and provide the flexibility to adapt to changing circumstances on identified tasks and on-call services for new tasks as they arise.

ATTACHMENTS:

1. Resolution
2. Agreement including scope and fee.
3. Sewer System Map

Financial Impact

Description: Expenditure amount not to exceed \$153,039.

Funding Source:

Sewer Fund

\$153,039

Fund No. 420-5475-611-90-00

Budget Recap:

Total Estimated cost: \$153,039

New Revenue: \$

Amount Budgeted: \$153,039

Lost Revenue: \$

New funding required: \$

New Personnel: \$

Council Policy Change: Yes ☐ No ☒