



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: December 18, 2012

TO: Mayor and Councilmembers

FROM: Water Resources Division, Public Works Department

SUBJECT: Contract For Development Of Wastewater Collection System Strategic Management Program – Phase IV

RECOMMENDATION:

That Council authorize the Public Works Director to execute a contract, subject to approval as to form by the City Attorney, with Brown and Caldwell, in the amount of \$249,409 for Wastewater Collection system maintenance-related business process development and related Sewer System Management Plan update, and authorize the Public Works Director to approve expenditures of up to \$24,941 for extra services of Brown and Caldwell that may result from necessary changes in the scope of work, for a total of \$274,350.

DISCUSSION:

The City of Santa Barbara owns and operates a 257-mile municipal wastewater collection system. Sewer mains in this system range in size from 6 to 42 inches in diameter. In order to minimize the occurrence of sanitary sewer overflows from this system, it is imperative that sewer system management activities are conducted efficiently and effectively. Staff has identified that there are opportunities to be gained through better utilization of technology to both plan and assess its current wastewater collection system Capital Improvement Program project and maintenance work.

The City issued a Request for Proposals and received three proposals from engineering firms interested in performing this work. On October 21, 2010, staff, along with a Water Commissioner, interviewed three qualified firms. From this competitive process, the firm of Brown and Caldwell was selected as the most qualified consultant for this work effort.

Brown and Caldwell has completed three contract phases of work totaling \$604,454 over the past two years. Phase I of this contract work was approved by City Council on January 11, 2011, and focused on the development of a comprehensive maintenance management program for City field staff use. Phase II contract work was approved by City Council on June 7, 2011. It focused upon the development of Capital Improvement Program prioritization schedules for sewer main rehabilitation and replacement projects, wastewater lift station construction projects, improvements to the City's restaurant

grease inspection program, and updates to the City's existing Sewer System Management Plan documentation. Phase III contract work was approved by City Council on July 17, 2012. It focused upon additional updates to the Wastewater Collection System Work Plan and Sewer System Management Plan documentation; priority process improvements related to pipe repair/replacement and closed-circuit television activities; and sewer main cleaning work order planning process refinements.

The proposed Phase IV Contract scope of work will consist of the following:

- Wastewater Collection System Work Plan and Sewer System Management Plan documentation update and finalization;
- Food Service Establishment Inspection Program process updates, and related Cartegraph computer maintenance management program (CMMS) scheduling and compliance activity improvements and updates;
- Capital Improvement Program-related (CIP) closed circuit television data review, and sewer main prioritization and selection for upcoming CIP project work.
- Sanitary Sewer Overflow (SSO) Program process updates, and related Cartegraph computer maintenance management program (CMMS) scheduling and compliance activity improvements and updates;
- Priority Process Improvements related to Pipe Repair/Rehabilitation/Replacement, and related closed-circuit television (CCTV) activities;
- Mobile technology selection, and implementation for field crew work associated with CMMS-related maintenance work completion, documentation, and analyses; and
- Sewer main cleaning process activity support, cleaning schedule CMMS database adjustments, and related activities.

At their meeting on November 12, 2012, the Board of Water Commissioners voted 5-0-0 to concur with staff's recommendations.

BUDGET/FINANCIAL INFORMATION:

This project was anticipated, and there are adequate appropriated funds in the Wastewater Capital Fund for this professional consultant work.

SUSTAINABILITY IMPACT:

Business process changes in Wastewater Collection system management and related planning activities will result in more efficient heavy vehicle usage, allowing the City to reduce vehicle fuel consumption and greenhouse gas emissions over time.

PREPARED BY: Christopher Toth, Wastewater System Manager/CJT/avb

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office