



## City of Sacramento City Council

915 I Street, Sacramento, CA, 95814  
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**Meeting Date:** 1/5/2012

**Report Type:** Consent

**Title:** Award Contract: Fremont Area Sewer Rehabilitation – Phase 3 Project (X14010047)

**Report ID:** 2011-00912

**Location:** District 4

**Recommendation:** Pass a motion: 1) closing the Fremont Area Sewer Rehabilitation – Phase 4 Project and transferring sewer funds (Fund 6006) from the Phase 4 project to the Fremont Area Sewer Rehabilitation Phase 3 project 2) Transferring sewer funds (Fund 6006) in the amount of \$66,000 from the Wastewater CSS Capital Reserve project (X14010000) to the project and 3) approving (X14010000) to the project and 3) approving the contract plans and specifications for the project, and awarding the contract to SAK Construction of CA, LP, for an amount not to exceed \$807,990.

**Contact:** Dave Brent, Engineering Manager, (916) 808-1420, Department of Utilities

**Presenter:** None

**Department:** Department Of Utilities

**Division:** Engineering Administration

**Dept ID:** 14001311

### Attachments:

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- 1-Description/Analysis
- 2-Background
- 3-Location Map

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### City Attorney Review

Approved as to Form  
 Joe Robinson  
 12/20/2011 4:06:51 PM

### City Treasurer Review

Reviewed for Impact on Cash and Debt  
 Russell Fehr  
 12/19/2011 1:05:15 PM

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### Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 12/20/2011 2:47:15 PM

## Description/Analysis

**Issue:** The Fremont Area is served by combined sewer pipelines, built between 1923-1946, that are located within backyard and side yard easements. In the spring of 2006, a failure of one of these pipelines caused a sinkhole to form, engulfing parts of three backyards and evoking an emergency response to repair the problem. Similar sinkholes have appeared in this general area in the past, indicating that the area is susceptible to future failures, likely due to age, original pipeline construction defects, soil conditions, and high annual groundwater. Internal CCTV (closed-circuit television) inspection revealed cracked or broken pipeline segments, sags, offset joints and root intrusion. This project is the last of three phases (Phases 3 and 4 were merged) to systematically line the sewer pipelines in this area to prevent further sinkholes from forming and restore the pipes to a like-new condition. These segments were selected for lining rather than repair or replacement because of construction access constraints.

**Policy Considerations:** The requested action is in conformance with City Code Chapter 3.60, Articles I and III, which provide for the award of competitively bid contracts to the lowest responsible bidder. This report's recommendation is consistent with the City's Strategic Plan goals of improving and expanding public safety and achieving sustainability and livability. Staff has verified or will verify prior to the Notice to Proceed, that the bonds and insurance required for this project are valid.

**Environmental Considerations:** The Community Development Department, Environmental Planning Services Division, has reviewed the proposed project and determined that it is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) Guidelines Class 2, Section number 15302(c). The project consists of rehabilitating, in place, existing deteriorated sewer pipe and restoring other related utility structures. The pipe and restored structures will have substantially the same purpose and capacity.

**Sustainability:** The project is consistent with the City's Sustainability Master Plan by reducing sanitary sewer outflows, which is one of the City's sustainability targets; and by improving reliability, which will reduce energy-intensive maintenance efforts.

**Commission/Committee Action:** Not applicable.

**Rationale for Recommendation:** The project was formally advertised to solicit public bids, and three bids were received and opened by the City Clerk on November 30, 2011. The lowest bid was submitted by SAK Construction of CA, LP, in the amount of \$807,990.00. Staff has verified the validity of their bid bond, determined the bid to be responsive, and recommends that the contract be awarded to SAK Construction of CA, LP.

**Financial Considerations:** The total estimated project cost including design, construction, inspection, and contingency is estimated to be \$945,000.00. The current budget for Fremont Area Sewer Rehabilitation-Phase 3 (X14010047) is \$429,646, in Wastewater Funds (Fund 6006). The current project budget for Fremont Area Sewer Rehabilitation-Phase 4 (X14010062) is 450,000, also in Fund 6006. Since Phases 3 and 4 have been

merged, this report requests the transfer of Phase 4 funds to Phase 3, which will give the project a budget of \$879,646. Since the combined Phase 3 and 4 budgets are insufficient to award and complete the project, this report requests an additional transfer of \$66,000 from Fund 6006 in the Wastewater CSS Capital Reserve project (X14010000) to X14010047.

**Emerging Small Business Development (ESBD):** This project included a participation goal of 20% for emerging and small business enterprises (ESBEs) as required by Ordinance 99-007 and Resolution 99-055 relating to ESBD participation goals and policies, adopted by City Council on February 9, 1999. SAK Construction of CA, LP exceeded the ESBE goals with a participation level of 26.8%.



## Attachment 1

### Background

The Fremont Area is served by combined sewer pipelines, built between 1923-1946, that are located within backyard and side yard easements that provide sewer and drainage service to the area. In April 2006, an emergency contract was initiated to repair a sinkhole 30 feet in diameter that appeared over a 12-inch combined sewer main, engulfing parts of 3 backyards near the intersection of Fremont Way and San Luis Court. Similar sinkholes have appeared in this general area in the past, indicating that the area is susceptible to more catastrophic failures threatening property, due to original pipeline construction defects, soil conditions, and/or high annual groundwater.

As part of the FY2007/08 Capital Improvement Program, the Fremont Area Rehabilitation project was proposed to begin systematically lining all the combined sewer pipelines within the "Fremont Area." The Fremont Area is defined generally as the area between 5<sup>th</sup> Street and Riverside Blvd, 4<sup>th</sup> Avenue and McClatchy Way. The project was divided into four phases that were proposed to be implemented over the next four years.

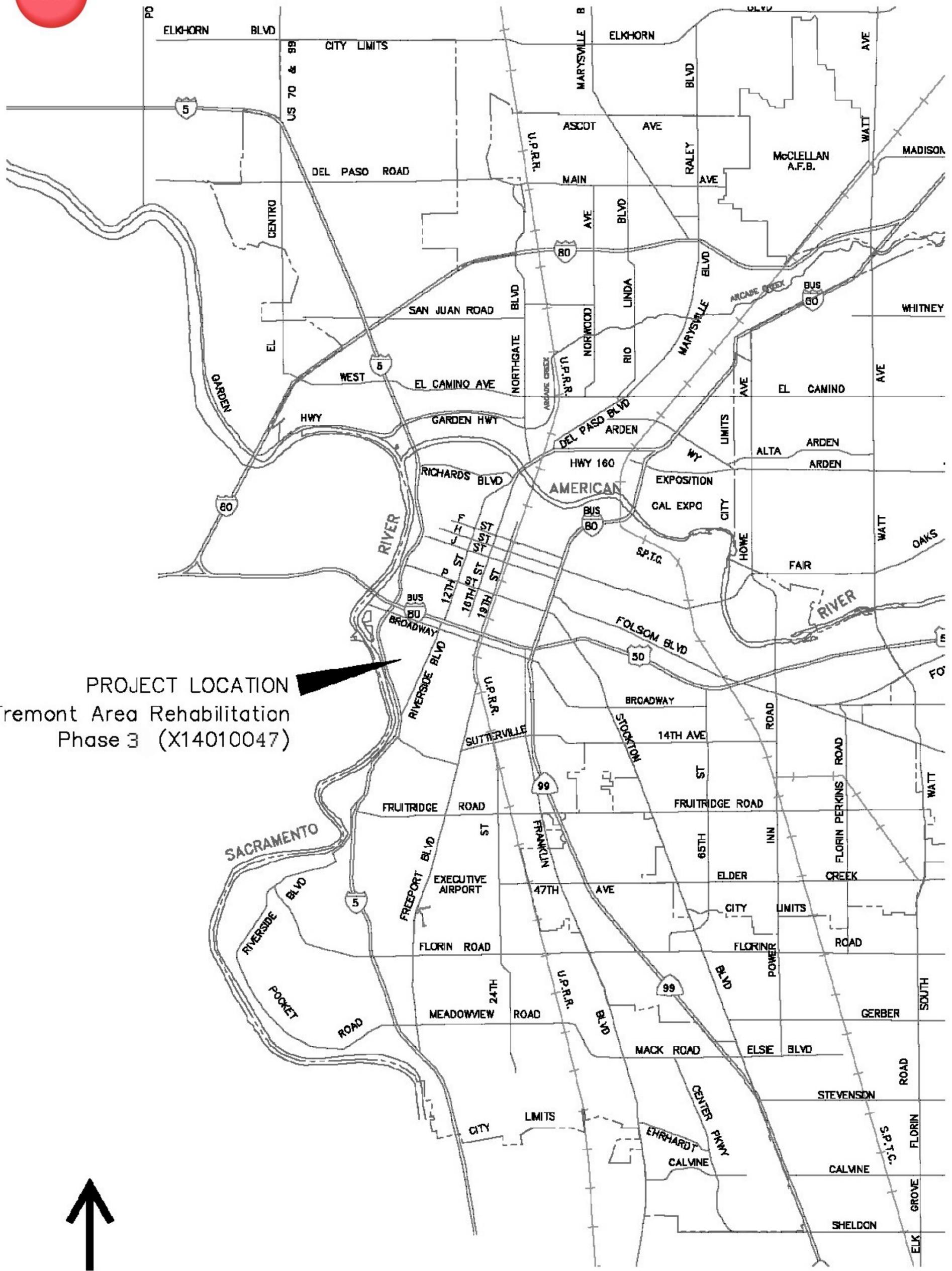
Phases 1 and 2 have been completed. Phase 3 and 4 have been combined into one phase that proposes to line approximately 10,600 linear feet of deteriorating combined sewer pipeline that serves the entire Fremont Area with cured-in-place-pipe liner. Additional work includes reinstating all live laterals, and rehabilitating and replacing deteriorating manholes. Because of a history of trouble calls, the recent emergency work, poor area soils, and initial CCTV inspections that revealed deteriorating pipes in poor condition, but suitable for rehabilitation, these pipeline segments were identified and included in the scope for this new Phase 3 .

This project was advertised and three (3) bids were received and opened on November 30, 2011. The bids are summarized below:

<b>Contractor</b>	<b>Bid Amount</b>
SAK Construction of CA, LP	\$807,990
Insituform Technologies, Inc.	\$810,120
Michels Pipeline Construction	\$821,916

The engineer's construction estimate was \$795,750.

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PROJECT LOCATION  
Fremont Area Rehabilitation  
Phase 3 (X14010047)



VICINITY MAP



CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES