



# REPORT TO COUNCIL City of Sacramento

915 I Street, Sacramento, CA 95814-2604  
www. CityofSacramento.org

Consent  
October 6, 2009

Honorable Mayor and  
Members of the City Council

**Title: Contract: Cured-In-Place-Pipe (CIPP) Rehabilitation – 2008 (X14002700)**

**Location/Council District:** The project is located at 10 separate sites within the City limits in the following Council Districts: 3, 4, 5 & 7.

**Recommendation:** Adopt a **Resolution:** 1) approving the contract specifications for the project; and 2) awarding the contract to PIPEnology for an amount not to exceed \$429,225.

**Contact:** David L. Brent, Engineering Manager 808-1420; Richard Batha, Supervising Engineer, 808-1448

**Presenters:** Not Applicable

**Department:** Utilities

**Division:** Engineering Services

**Organization No:** 14001321

## Description/Analysis

**Issue:** The sewer pipeline segments that comprise this project require excessive maintenance and experience frequent blockages. Internal CCTV inspection revealed broken pipe segments, sags, offset joints and heavy root intrusion. Consistent with the criteria set forth in Department of Utilities (DOU) Infrastructure Replacement and Management Program, rehabilitation or replacement is necessary. These main segments were selected for lining rather than replacement primarily because of construction access constraints.

**Policy Considerations:** The requested action is in conformance with City Code Section 3.60, Articles I and III, which provides that the City Council may award 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.

**Environmental Considerations:**

**California Environmental Quality Act (CEQA):** The Community Development Department, Environmental Planning Services Division has reviewed this project and determined that it is exempt from the provisions of the California Environmental Quality Act (CEQA) under Class 1, Section number 15301(b) and (d) and Class 2, Section number 15302(c). Class 1, Section number 15301(b) consists of minor alteration or repair of existing facilities used to provide electric power, natural gas, sewerage, or other public utility services. Class 1, Section number 15301(d) consists of restoration or rehabilitation of deteriorated or damaged structures or facilities to meet current standards of public health and safety. Class 2, Section 15302 (c) consists of replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.

**Sustainability Considerations:** The project is consistent with the City's Sustainability Master Plan by improving the system in order to reduce Sanitary Sewer Overflows, which is one of the City's sustainability targets; and by improving reliability, which will reduce energy-intensive maintenance efforts.

**Other:** Not applicable

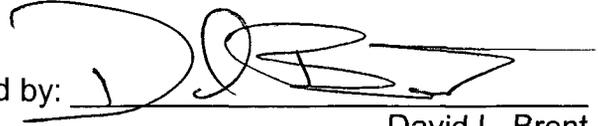
**Commission/Committee Action:** Not applicable

**Rationale for Recommendation:** City Council approved the capital improvement project, Cured-In-Place-Pipe (CIPP) Rehabilitation – 2008, (X14002700), with adoption of the Fiscal Year 2007/08 budget. Engineering Services developed plans and specifications and advertised the project for public bids. On September 9, 2009, the City Clerk opened four (4) bids and PIPEology was the lowest responsible bidder. Staff recommends contract award to PIPEology.

**Financial Considerations:** The construction contract is for an amount not to exceed \$429,225, and the total project cost including design, construction, inspection and contingency is estimated to be \$560,000. There are sufficient sewer funds (Fund 6006) in the Cured-In-Place-Pipe (CIPP) Rehabilitation – 2008 project to award the contract.

**Emerging Small Business Development (ESBD):** This project included a participation goal for emerging and small business enterprises 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. The participation goal for this project is 20%. The lowest responsible bidder, PIPEology, met the ESBE goal with a participation level of 59%.

Respectfully Submitted by:



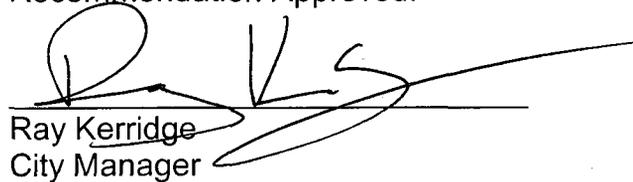
David L. Brent  
Engineering Manager

Approved by:



Marty Hanneman  
Director of Utilities

Recommendation Approved:

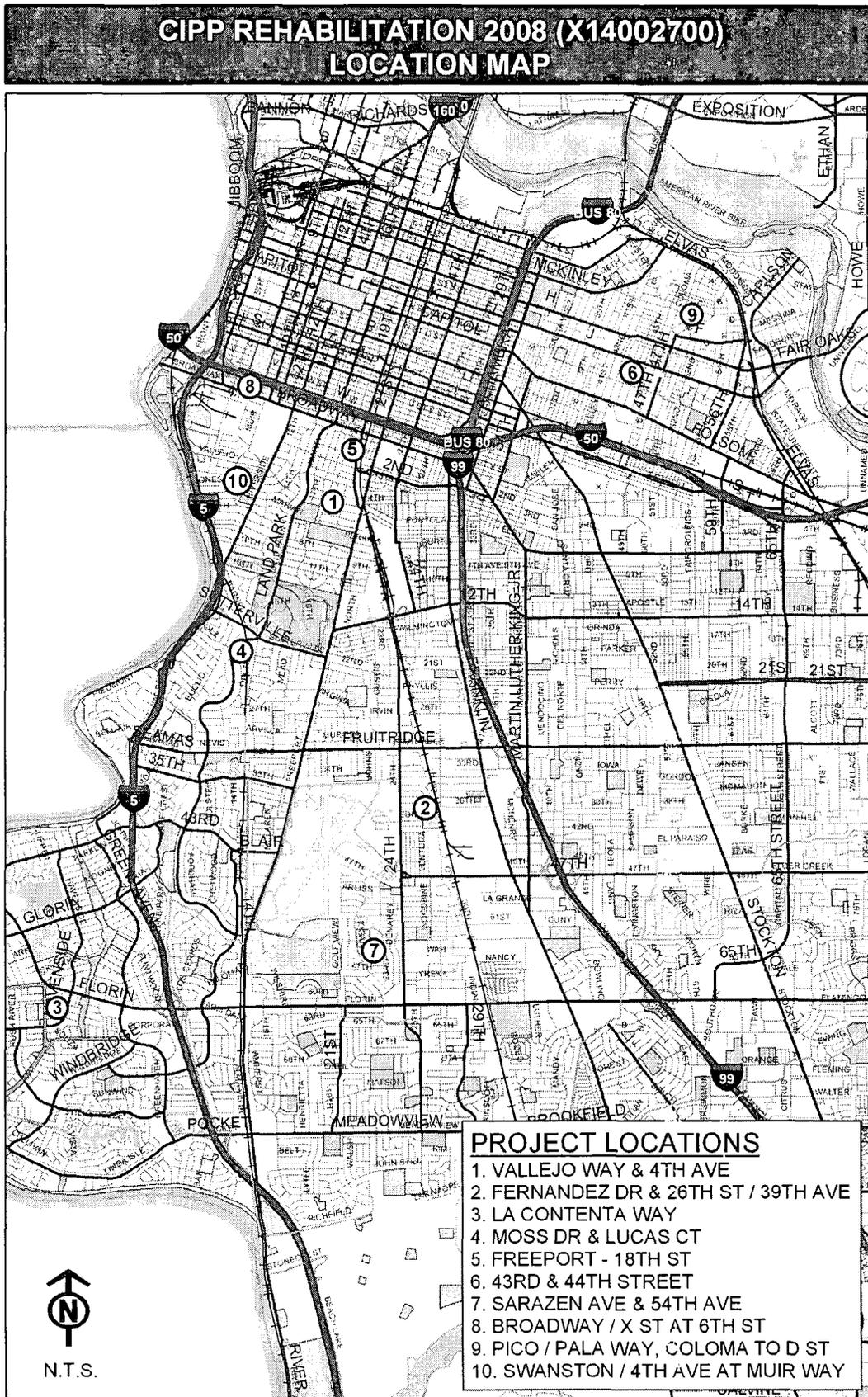


Ray Kerridge  
City Manager

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### Location Map



## Attachment 2

## Background

In the City of Sacramento, many sewer mains were constructed in rear yard easements. These sewer mains are difficult to access with conventional equipment and costly and disruptive to repair, maintain or replace.

The Department of Utilities currently uses trenchless or "no dig" technologies to repair and maintain these sewer mains to minimize disruption to the public since the majority of the rehabilitation occurs remotely within the pipe thereby avoiding most of the excavation and removal of backyard landscaping. On an annual basis, pipelines requiring trenchless repairs are prioritized and funded as budgets allow. This construction contract, Cured-In-Place Pipe (CIPP) Rehabilitation 2008, will repair approximately 5445 feet of pipeline varying in diameter from 6 to 27 inches. The repair consists of inserting a resin impregnated liner into an existing pipe, forming a seamless pipe within a pipe. Due to a severely crushed pipeline at one of the sites, pipe bursting will be utilized instead of CIPP lining in order to repair the failing pipeline. Twenty-six (26) manholes will be rehabilitated by installing a coating on the manhole walls to repair any degradation caused by hydrogen sulfide attack, repair any holes or cracks, and to effectively seal the manholes.

This project was advertised and four (4) bids were received and opened on September 9, 2009. The bids are summarized below:

<b>Contractor</b>	<b>Bid Amount</b>
Pipenology, Inc.	\$429,225.00
J.F. Pacific Liners, Inc.	\$474,930.00
Michels Pipeline Construction	\$510,687.50
Insituform Technologies, Inc.	\$554,820.00

The Engineer's Estimate was \$630,000.

**RESOLUTION NO.**

Adopted by the Sacramento City Council

**AWARD CONTRACT FOR CURED-IN-PLACE-PIPE REHABILITATION – 2008  
PROJECT  
(X14002700)**

**BACKGROUND**

- A. The Department of Utilities has identified approximately 5445 feet of pipeline segments within its service area that are in poor condition and require frequent maintenance to prevent blockages that could result in private property damage.
- B. City staff has prepared plans and specifications to rehabilitate the identified sewer segments and manholes to improve sewer function and to preserve public safety. The project was advertised for public bidding and bids were received on September 9, 2009. PIPEnergy was the lowest responsible bidder.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL  
RESOLVES AS FOLLOWS:**

- Section 1. The contract plans and specifications for the Cured-In-Place-Pipe (CIPP) Rehabilitation – 2008 project (X14002700) are approved and the contract is awarded to PIPEnergy for an amount not to exceed \$429,225.