



REPORT TO COUNCIL

City of Sacramento

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

Consent
March 4, 2008

**Honorable Mayor and
Members of the City Council**

Title: Contract: Cured-In-Place-Pipe (CIPP) Rehabilitation (PN:XI91, X14002100)

Location/Council District: This project consists of lining sewer main segments at various locations throughout the City (see attached location map):

- I-5 Crossing at K/L Alley from 2nd St to 3rd Street (District 1)
- S Street right of way between 25th and 29th Street (District 4)
- Rear yard easement between 9th and 10th Ave at 53rd Street (District 6)
- Side yard easement between Sophia Way and 58th Street (District 6)
- Rear yard easement between 27th and 28th Ave, 24th to 25th Street (District 5)
- Rear yard easement between Fruitridge Rd and Shirley Dr (District 4)
- J Street right of way at 20th Street (District 3)
- 22nd Street right of way at J Street (District 3)
- Rear yard easement along 14th Street at 42nd Avenue (District 4)

Recommendation: Adopt a **Resolution** 1) approving the contract plans and specifications for the Cured-In-Place-Pipe Rehabilitation project (PN: X14002100); and 2) awarding the contract to Michels Corporation for an amount not to exceed \$545,979.00.

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

Presenters: Not applicable

Department: Utilities

Division: Engineering Services

Organization No: 3332

Description/Analysis

Issue: The 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 rooting. Consistent with the criteria set forth in Department of Utilities (DOU) Infrastructure Replacement and Management Program, these sections of pipe

have failed and replacement is necessary. These main 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 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.

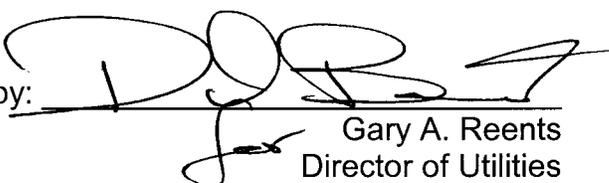
Environmental Considerations: The Development Services Department, Environmental Planning Services Division has reviewed this project and determined that it is exempt from the provisions of the California Environmental Quality Act (CEQA) under Class 1, Section number 15301(b) (d) and Class 2, Section 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.

Rationale for Recommendation: City Council approved the capital improvement project, Cured-In-Place Pipe (CIPP) Rehabilitation, (X14002100), with adoption of the Fiscal Year 2006/07 budget. Engineering Services developed plans and specifications and advertised the project for public bids. On January 30, 2008, the City Clerk opened three bids and Michels Corporation was the lowest responsible bidder. Staff recommends contract award to Michels Corporation.

Financial Considerations: The construction contract is for an amount not to exceed \$545,979.00, and the total project cost including design, construction, inspection and contingency is estimated to be \$650,000. There are sufficient funds in the Cured-In-Place-Pipe Rehabilitation 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. Because Cured-In-Place-Pipe lining work is highly specialized and the majority of contractors qualified to do such work are large companies, the participation goal of 20% was reduced to 17% to represent the limited amount of work available for ESBE sub-contractors. The lowest responsible bidder, Michels Corporation, exceeded the ESBE goal with a participation level of 19.4%.

Respectfully Submitted by: 
David L. Brent
Engineering Services Manager

Approved by: 
Gary A. Reents
Director of Utilities

Recommendation Approved:


Ray Kerridge
City Manager

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Location Map

CIPP REHABILITATION 2007



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. Consistent with the criteria set forth in Department of Utilities' (DOU) Infrastructure Replacement and Management Program, the sections of pipe identified in this project have failed and replacement is necessary.

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 Rehabilitation 2007, will repair more than 5400 feet of pipeline varying in diameter from 4 to 24 inches. The repair consists of inserting a resin impregnated liner into an existing pipe, forming a seamless pipe within a pipe. In addition, 28 manhole rehabilitations are included in this contract, consisting of placing a cementitious 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 bids were received on January 30, 2008. Three bids were received and are summarized below:

- | | |
|---------------------------------|-----------|
| • Michels Corporation | \$545,979 |
| • Insituform Technologies, Inc. | \$571,102 |
| • J. F. Pacific Liners, Inc. | \$613,685 |

The Engineer's Estimate was \$583,000. The estimated completion date is in July 2008.

RESOLUTION NO.

Adopted by the Sacramento City Council

**AWARD CONSTRUCTION CONTRACT FOR CURED-IN-PLACE-PIPE
REHABILITATION PROJECT (PN: XI91, X14002100)**

BACKGROUND

- A. The Department of Utilities has identified more than 5400 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. Therefore, in order to protect public health and safety, this project has been designed to repair the deteriorating pipeline segments by lining them with a cured-in-place liner.
- 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 January 30, 2008. Michels Corporation 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 Rehabilitation Project (PN: X14002100, fund 6004) are approved and the contract is awarded to Michels Corporation for an amount not to exceed \$545,979.