



COUNCIL AGENDA: 06-21-05

ITEM: 7.2

Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: Katy Allen

**SUBJECT: LINCOLN AND WILLOW
SANITARY SEWER
REHABILITATION PROJECT**

DATE: 05-31-05

Approved

Date

6/8/05

Council District: 6

RECOMMENDATION

Report on bids and award of contract for the Lincoln and Willow Sanitary Sewer Rehabilitation Project to the sole bidder, Insituform Technology, Inc., in the amount of \$1,273,797, and approval of a contingency in the amount of \$254,000.
CEQA: Exempt, File No. PP05-017.

BACKGROUND

The Lincoln and Willow Sanitary Sewer Rehabilitation Project is located in central Willow Glen on Lincoln Avenue between Minnesota Avenue and Willow Street, and on Willow Street between Lincoln Avenue and Bird Avenue (map attached). The sewers in this area were constructed in the 1920's and 1930's.

Department of Transportation sewer maintenance staff identified these sewer mains to be in poor condition, generating numerous odor complaints and sewer backups requiring frequent maintenance. Remote video inspection of the sewers revealed broken portions of the pipe, sags, heavy grease accumulation and severe root intrusion. These conditions all contribute to the odors and sewer back-ups in the area.

The project consists of point repairs, rehabilitation of approximately 7,550 feet of sewer with a Cured-In-Place Pipe (CIPP) liner, and manhole rehabilitations. The first order of work will be a series of repairs to remove sags, broken sections and restore the line and grade of the sewers. The next phase will include an extensive cleaning of the sewer mains and the installation of the CIPP liner.

Installation of the CIPP liner is a trenchless operation, with construction activities concentrated around manholes. This rehabilitation method was selected to minimize the disturbance to existing streets and sidewalks, and to ensure efficient traffic and pedestrian flow.

Provisions have been included in the project specifications that will restrict working hours to minimize the construction impacts to businesses, residents and local traffic.

Construction of this project is scheduled to begin in August 2005 with completion in April 2006.

ANALYSIS

Bids for this project were opened on May 17, 2005 with the following results:

<u>Contractor</u>	<u>Bid Amount</u>	<u>Variance Amount</u>	<u>Over/ (Under) Percent</u>
Insituform Technologies, Inc. (Chesterfield, MO)	\$1,273,797	\$110,613	10
Engineer's Estimate	\$1,163,184	---	---

The sole bid submitted by Insituform Technology, Inc. is ten percent above the Engineer's Estimate. Staff considers this reasonable for the work involved. The low number of bidders can be attributed to the large volume of underground construction currently underway or bidding in the area.

Council Policy provides for a standard contingency of ten percent on public works projects involving utilities. However, due to the extensive scope of this project, and the need to protect all adjacent utilities a 20 percent contingency is requested for this project to address unforeseen conditions during construction.

OUTCOME

The rehabilitation of the sewer mains will restore the structural integrity and extend the service life of the sewers. The completed project will provide a more reliable sewer service to the businesses and residents, and reduce maintenance costs.

PUBLIC OUTREACH

This project was listed on the City's Internet Bid Line and advertised in the *San José Post Record*. Bid packages for all Department of Public Works construction projects are provided to various contractor organizations and builder's exchanges.

Additionally, this project was coordinated with the Willow Glen Business and Professional Association, the Willow Glen Neighborhood Association and the San José Unified School District to gather their input and to explain the purpose of the project and the proposed construction methods and schedule.

Staff intends to provide extensive coordination with all adjacent businesses and residents effected by the sewer repairs and have conducted a mail-in survey requesting information regarding the business hours, sewer use and past problems with sewer laterals or repairs.

COORDINATION

This project and memorandum have been coordinated with the Departments of Environmental Services, Planning, Building and Code Enforcement, Transportation, Finance, the City Manager's Budget Office, the City Attorney's Office and the Office of Council District 6.

COST IMPLICATIONS

1. AMOUNT OF RECOMMENDATION: \$1,273,797

2. COST OF PROJECT:

Project Delivery	\$378,000 *
Construction	1,273,797
Contingency	<u>254,000</u>

TOTAL PROJECT COSTS **\$1,905,797**

Prior Year Expenditure (84,376)

REMAINING PROJECT COSTS **\$1,821,421**

* Project delivery includes \$150,000 for design services and \$228,000 for construction management and inspection services.

3. SOURCE OF FUNDING: 545 - Sewer Service and Use Charge Capital Improvement Fund

4. FISCAL IMPACT: This project is consistent with the Council-Approved Budget Strategy Economic Recovery Section in that it will spur construction spending in our local economy. The proposed operating and maintenance costs of this project have been reviewed, and it has been determined that the project will have no significant adverse impact on the General Fund operating budget. The rehabilitation of the Lincoln Avenue and Willow Street area sewer collection system should decrease the frequency of sewer blockages and maintenance costs for the Department of Transportation.

05-31-05

Subject: Lincoln and Willow Sanitary Sewer Rehabilitation Project

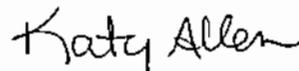
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BUDGET REFERENCE

Fund #	Appn. #	Appn. Name	Total Appn.	Amt. For Contract	2004-2005 Adopted Budget (Page)	Last Budget Action (Date, Ord. No.)
Remaining Project Costs			\$1,821,421			
Current Funding Available						
545	4271	Miscellaneous Rehabilitation Projects	\$5,429,000	\$1,273,797	Capital V-182	2/8/05 Ord No. 27350
Total Current Funding Available			\$5,429,000	\$1,273,797		

CEQA

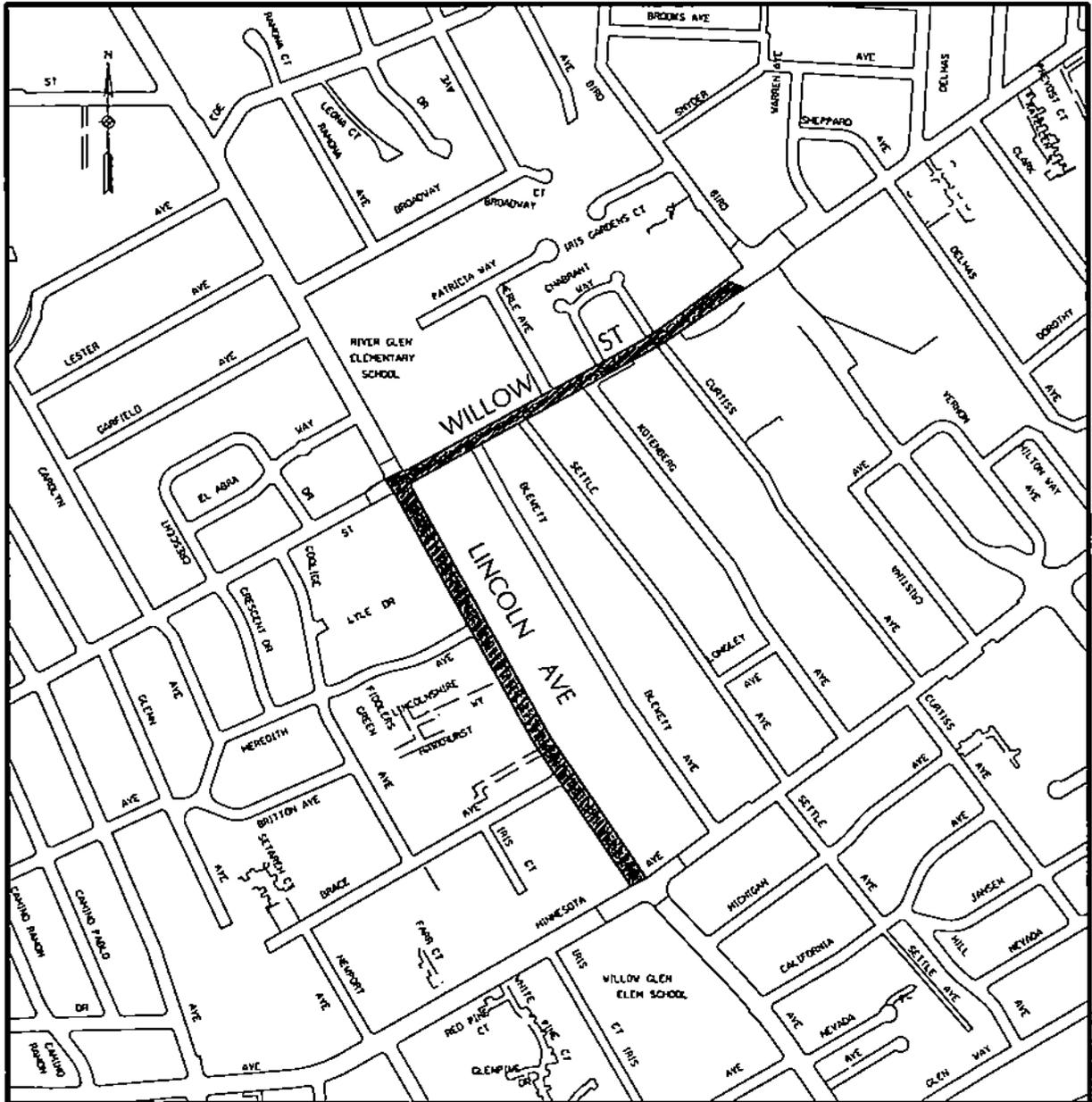
Exempt, File No. PP05-017.



KATY ALLEN
Director, Public Works Department

MO:TN:CP:ca:jv
(cp052305CM.Lincoln Willow SS Rehab Project doc/Sani)
Attachment

Lincoln/Willow Sanitary Sewer Rehabilitation



LOCATION MAP
N.T.S.