



# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

**FROM:** Katy Allen

**SUBJECT:** WILLOW STREET STORM PUMP  
STATION PROJECT

**DATE:** 05-23-05

Approved

Date

5/31/05

Council District: 6

## RECOMMENDATION

Report on bids and award of contract for the Willow Street Storm Pump Station Project to the low bidder, Mitchell Engineering, in the amount of \$187,000, and approval of a contingency in the amount of \$18,700.

CEQA: Exempt, PP05-044.

## BACKGROUND

The City of San José owns, operates, and maintains 25 storm drainage pump stations. Sixteen of these stations are older than 25 years, the design life of a pump station. Older pumps are less efficient and experience more frequent breakdowns. Aging pump stations lack modern monitoring and communication capabilities and are harder to repair or maintain because replacement parts are more difficult to obtain.

The Department of Transportation has provided a priority list of pump stations that require rehabilitation, with the Willow Street Storm Pump Station as its top priority. This pump station is located at the Willow Street undercrossing of the Union Pacific Railroad tracks (map attached). The project includes the replacement of two storm drainage pumps with two new pumps, and the electrical/motor controls with new and relocated controls, including all associated appurtenances.

Construction is scheduled to begin in August with completion in November 2005.

## ANALYSIS

Bids were opened on May 5, 2005 with the following results:

<u>Contractor</u>	<u>Total Bid</u>	<u>Variance Amount</u>	<u>Over/(Under) Percent</u>
Hinds-Lowery Engineering Construction (Santa Clara)	\$429,500*	\$264,500	160
Anderson Pacific Engineering Construction (Santa Clara)	260,750	95,750	58
Mitchell Engineering (San Francisco)	187,000	22,000	13
<b>Engineer's Estimate</b>	<b>165,000</b>	<b>---</b>	<b>---</b>

\*The bid as submitted by Hinds-Lowery Engineering was \$497,000. There was a mathematical error and the bid shown above is the corrected amount.

The bid submitted by the lowest bidder, Mitchell Engineering, is 13 percent over the Engineer's Estimate. The engineer's cost estimate for electrical service and pump control cabinets was based on recent similar City projects. An evaluation of the bid indicates that Mitchell Engineering's estimate reflects today's higher costs for these cabinets. The bid is considered acceptable for the work involved in this project.

Council policy provides for a standard contingency of ten percent for public works projects involving excavation. This contingency is appropriate for this project. The funds budgeted for this project are sufficient to provide for the recommended contingency.

**OUTCOME**

Approval of this construction contract to Mitchell Engineering will allow the project to move forward to increase the efficiency and reliability of pump operations. The redesign and relocation of electrical controls to higher ground will also provide for uninterrupted pump operations in the event of severe flooding of the underpass.

**PUBLIC OUTREACH**

To solicit contractors, 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.

**COORDINATION**

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

**COST IMPLICATIONS**

1.	AMOUNT OF RECOMMENDATION:	\$187,000
2.	COST OF PROJECT	
	Project Delivery	\$ 108,000 *
	Construction	187,000
	Contingency	18,700
	<b>TOTAL PROJECT COSTS</b>	<b>\$ 313,700</b>
	Prior Year Expenditures	0
	<b>REMAINING PROJECT COSTS</b>	<b>\$ 313,700</b>

\*Project delivery includes \$14,000 for a PG&E Permit, \$56,000 for Design Services and \$38,000 for Construction Management and Inspection Services.

3. SOURCE OF FUNDING: 469 – Storm Sewer Capital 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.

**BUDGET REFERENCE**

Fund #	Appn. #	Appn. Name	Total Appn.	Amt. For Contract	2004-2005 Adopted Budget (Page)	Last Budget Action (Date, Ord. No.)
<b>Remaining Project Costs</b>			<b>\$313,700</b>			
<b>Current Funding Available</b>						
469	5150	Storm Pump Station Replacements	\$500,000	\$187,000	Capital V-221	N/A
<b>Total Current Funding Available</b>			<b>\$500,000</b>	<b>\$187,000</b>		

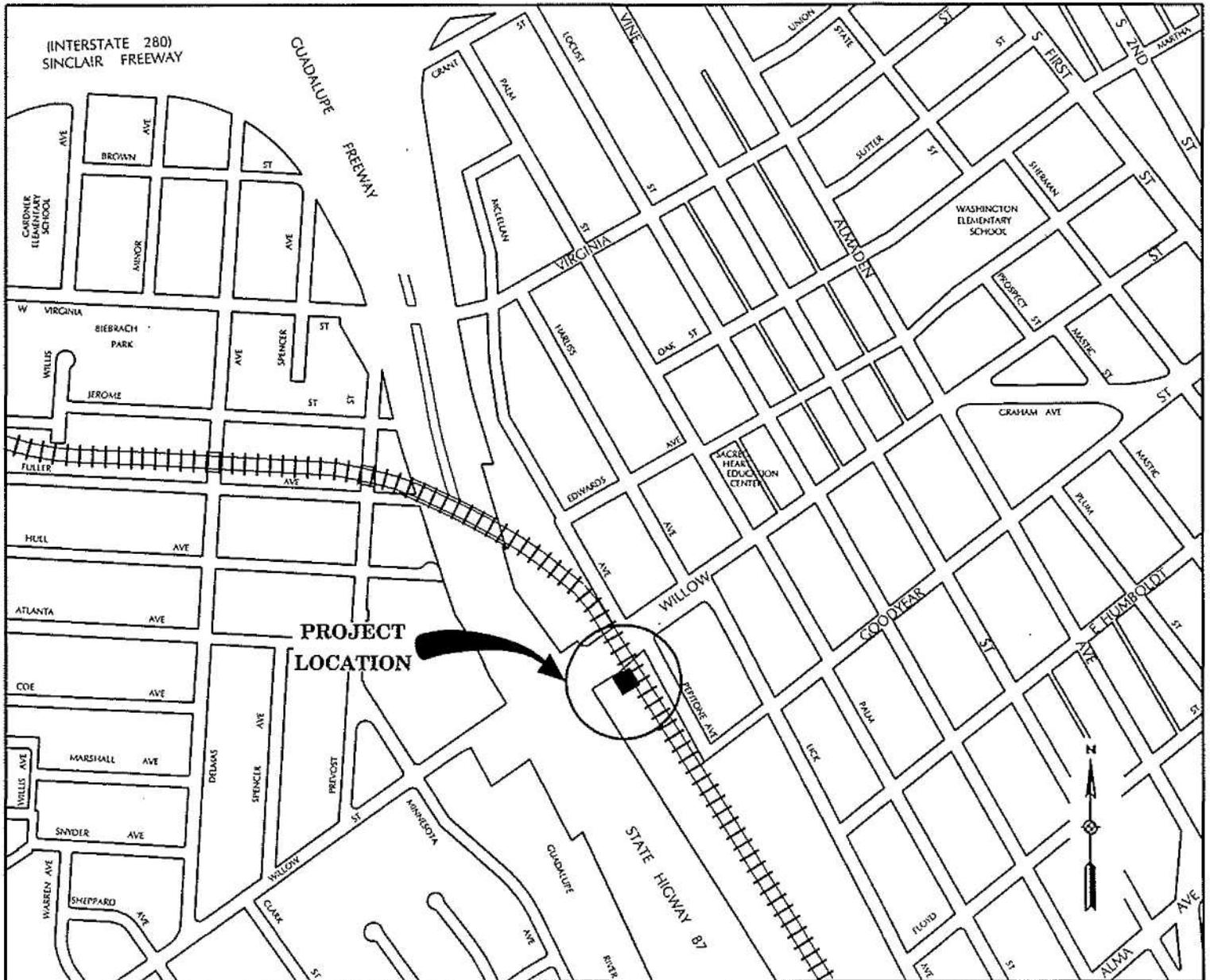
**CEQA**

Exempt, PP05-044.

*Katy Allen*

KATY ALLEN  
Director, Public Works Department

# WILLOW STREET STORM PUMP STATION



LOCATION MAP

NOT TO SCALE