



# Memorandum

**TO:** HONORABLE MAYOR  
AND CITY COUNCIL

**FROM:** Matt Cano

**SUBJECT:** SEE BELOW

**DATE:** January 21, 2021

Approved

Date

**1/21/2021**

**COUNCIL DISTRICT: 3, 6**

**SUBJECT: ACTIONS RELATED TO THE 8775 – SANITARY STRUCTURE COVER  
REPAIRS II PROJECT**

## **RECOMMENDATION**

- (a) Approve an increase in the construction contingency for the 8775 – Sanitary Structure Cover Repairs II Project (Project) in the amount of \$163,100, from \$61,480, resulting in a new contingency of \$224,580 and increasing the total contract amount from \$ 614,800 to \$839,380.
- (b) Adopt a resolution authorizing the Director of Public Works to negotiate and execute change orders for additional work related to unforeseen Project conditions in an amount not to exceed the revised total contract amount of \$839,380.

## **OUTCOME**

Approval of an increase in the project construction contingency and authority of the Director of Public Works to execute change orders not to exceed the revised total contract amount of \$839,380 will provide additional funding needed to complete the construction of the Project, which will rehabilitate four sanitary sewer junction structures serving the sanitary sewer system throughout the City.

## **BACKGROUND**

The City of San José has a system of sanitary sewer interceptors that converge at several junction structures along Zanker Road and throughout the City that allow flow diversions to isolate individual interceptors for maintenance and inspection purposes. The highly corrosive effect of sewer gas and continuous heavy traffic load have contributed to the failure of the structure access

hatch frames and covers. The Department of Transportation (DOT) has temporarily placed traffic-rated steel plates over the broken covers to allow traffic in the area.

This project was developed to replace existing damaged access hatch covers and their associated steel frames at four locations. The four locations include:

- Bel Air Ave & N. Bascom Ave
- E. Younger St & N. 5th St
- McKendrie St & Spring St
- Cypress Ave & Forest Ave (City of Santa Clara)

The new hatch cover assemblies include stainless steel frames to resist corrosion and high strength anchor bolts to secure the hatches located in the roadway. To address sewer gas odor and further protect the frames and covers, structure rehabilitation also includes installation of odor seals and epoxy coating protection within reach from each access opening.

Due to the structural elements of the project, a Service Order was issued for a Structural Engineering Consultant, Biggs Cardosa Associates, Inc. to complete the design.

On June 11, 2019, the Director of Public Works awarded the construction contract to JMB Construction, Inc., in the amount of \$614,800 including the City standard contingency of ten percent for sanitary sewer projects in the amount of \$61,480. Construction began in June 2020 with an anticipated completion in January 2021.

In June 2020, upon initial excavation work, the Contractor and City Structural Engineering Inspector observed extensive corrosion and apparent lack of structural reinforcement in the roof slab of the structure at the E. Younger St & N. 5th St location. The roof slab is where the new hatch cover assemblies were to be installed. The conditions discovered were significantly different than what was expected. Evaluation of the existing structural conditions were deemed deficient to continue construction per design. City staff, Consultant, and Contractor recommended additional repairs to address the structural deficiencies.

In July 2020, upon excavation work, the Contractor and City Structural Engineering Inspector also observed an apparent lack of structural reinforcement in the roof slab of the structure at McKendrie St & Spring St location. The conditions discovered, again, varied significantly than what was expected. Evaluation of the existing structural conditions were deemed deficient to continue construction per design. City staff, Consultant and Contractor recommended additional repairs to address the structural deficiencies.

## **ANALYSIS**

The solution to address the structural deficiencies at the structures at E. Younger St & N. 5th St location and at the McKendrie St & Spring St location was to remove and replace the entire existing roof slabs to produce a structurally sound installation of the new hatch covers. The City

directed the Consultant to proceed with design of the new roof elements. Likewise, the City accepted the Contractor's proposal to remove and replace the roof slabs of the structures at the aforementioned locations incorporating the new designs.

The project construction is approximately 95 percent complete with an expected completion date in January 2021. To date, the City has expended 37.0 percent (\$22,718) of the original \$61,480 construction contingency. This amount was due to exploratory excavation work to take critical measurements for the design of the new roof elements for the structures at E. Younger St & N. 5th St and at the McKendrie St & Spring St locations. The structural conditions discovered were not known or identified in the plans prior to the project being bid.

### **CONCLUSION**

Taking into account the above noted conditions and change orders issued to date and to be issued, increasing the project contingency by \$163,100 (from \$61,480 to \$224,580) will provide additional funding to cover the additional work associated with the unforeseen conditions. To account for the additional work, an additional \$30,000 in project delivery costs are expected.

### **Project Labor Agreement Applicability**

A project labor agreement (PLA) is not applicable to this project as the engineer's estimate was under three million dollars.

### **EVALUATION AND FOLLOW-UP**

No follow up action with City Council is expected at this time.

### **CLIMATE SMART SAN JOSE**

The recommendation in this memo has no effect on Climate Smart San José energy, water, or mobility goals.

### **PUBLIC OUTREACH**

This memorandum will be posted on the City's Council Agenda website for the February 2, 2021 Council Meeting.

**COORDINATION**

This memorandum has been coordinated with the City Attorney's Office and the City Manager's Budget Office.

**COMMISSION RECOMMENDATION/INPUT**

No commission recommendation or input is associated with this action.

**COST SUMMARY/IMPLICATIONS**

1. **AMOUNT OF RECOMMENDATION/COST OF PROJECT:**

Project Delivery* (includes \$30k increase due to contract extension)	\$293,720
Construction Contract	\$614,800
Contingency (includes contingency increase of \$163,100)	\$224,580
<b>Total Project Costs</b>	<b>\$1,133,100</b>

\*Project Delivery includes project management, inspection, construction management, and consultant fees.

2. **SOURCE OF FUNDING:**

545 – Immediate Replacement and Diversion Projects

3. **FISCAL IMPACT:** The proposed operating and maintenance costs of this project have been reviewed and it has been determined that the project will have no significant operating impacts.

HONORABLE MAYOR AND CITY COUNCIL

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**BUDGET REFERENCE**

The table below identifies the fund and appropriations to fund the contract recommended as part of this memo and remaining project costs, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn. Name	Total Appn	Amt. for Contract	2020-2021 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
545	4272	Immediate Replacement and Diversion Projects	\$6,300,000	\$614,800	V-61	10/20/2020 Ord. No. 30494

**CEQA**

Exempt, File No. PP15-004, dated January 20, 2015

/s/  
MATT CANO  
Director of Public Works

Attachment: Location Map

For questions please contact Michael O’Connell, Deputy Director, Public Works Department at (408) 535-8300.

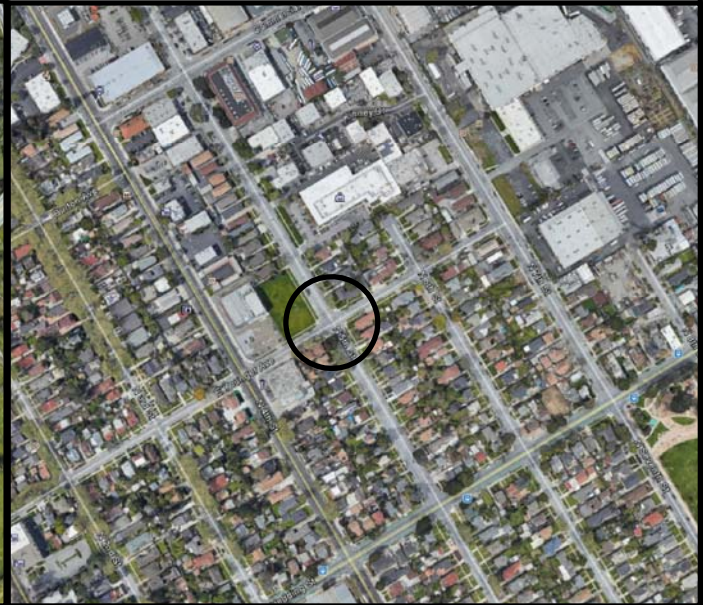


# 8775 – SANITARY STRUCTURE COVER REPAIRS II

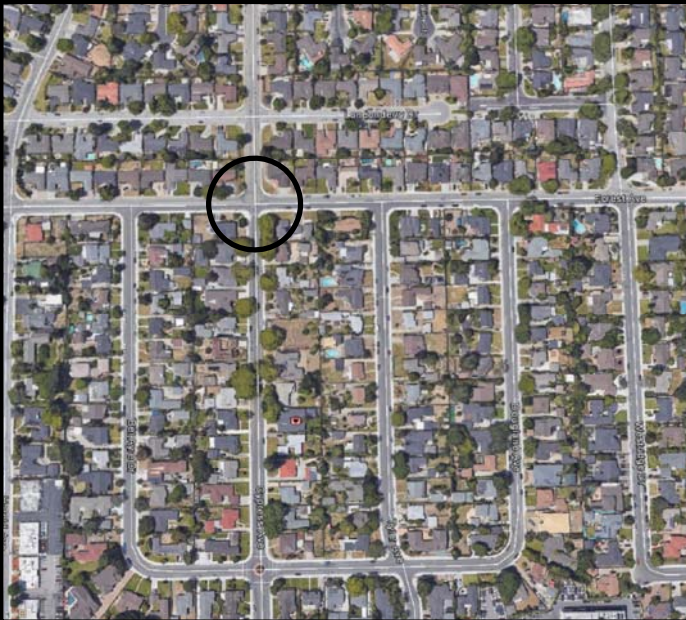
LOCATION 1 – McKendrie St & Spring St



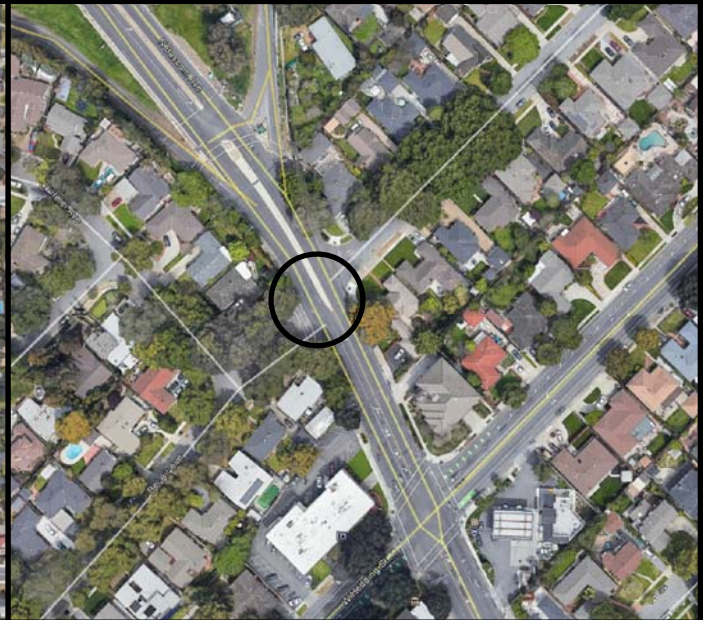
LOCATION 2 – E. Younger St & N. 5th St



LOCATION 3 – Cypress Ave & Forest Ave



LOCATION 4 – Bel Air Ave & N. Bascom Ave



LOCATION MAP  
N.T.S.