



Agenda Date: 10/17/2018  
Agenda Placement: 8C

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors

**FROM:** Timothy Healy - General Manager  
NS-Technical Services/Engineer

**REPORT BY:** Karl Ono, Associate Engineer - (707) 258-6013

**SUBJECT:** Approve the Project, Concur with CEQA Determination, Approve Reimbursement Agreement with Napa County, and Authorize the General Manager to Issue Notice Inviting Bids for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706)

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### **RECOMMENDATION**

Approve the Project, concur with staff's determination that the Project is categorically exempt, approve Reimbursement Agreement with Napa County, and authorize the General Manager to issue Notice Inviting Bids for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706).

### **EXECUTIVE SUMMARY**

The Inflow and Infiltration (I&I) Reduction Program findings indicate that certain areas in the collection system provided much higher I&I than other areas. The area defined within the scope of this project is a source of significant I&I, and sanitary sewer overflows have occurred downstream of the basin in recent years. The project proposes to rehabilitate pipelines by pipe bursting, cured-in-place pipe (CIPP) lining, or by open cut construction and replacing sewer lines within the project boundary. Please reference the attached map for the project areas.

Extensive paving coordination efforts were undertaken during the design of this project. A large portion of the project is situated within a County "pocket" area, and Napa County Public Works has expressed an interest in rehabilitating the streets within their jurisdiction. NapaSan and County Public Works staff have agreed to a partnership, through which the County maintained streets in the project area will be resurfaced as part of this project. This approach will minimize impacts to the community by completing underground utility rehabilitation/replacement and street resurfacing within the same construction season. County and NapaSan staff have prepared the attached reimbursement agreement, which has been approved as to form by NapaSan legal counsel. The agreement is scheduled for approval by the Napa County Board of Supervisors on October 16, 2018. If approved by both the County and NapaSan Boards, costs for street resurfacing and associated improvements will be reimbursed by Napa County through Measure T funding.

Because the project area also includes streets within the City limits, NapaSan and City of Napa staff have also been working in coordination. Sewer mains within streets that are in good condition will be rehabilitated using cured-in-place pipe, which is less invasive to streets than pipe bursting or open cut methods. Although a limited number of excavations will still be required to properly rehabilitate sewer mains within these high quality streets, extensive pavement restoration (curb-to-curb paving), will be utilized to reduce the impacts of trenching. City staff has indicated that streets within the project area that are in poor condition are scheduled for resurfacing after completion of this project as part of the City's 10-mile paving program.

The general scope of the project includes the following:

- | 11,800 LF (2.2 miles) of sewer main will be rehabilitated through pipe bursting.
- | 19,000 LF (3.6 miles) of sewer main will be rehabilitated through cured-in-place pipe (CIPP) lining.
- | 110 LF (0.02 miles) of sewer main will be removed and replaced by open-cut construction to address issues that cannot be fixed by pipe bursting or CIPP lining.
- | 40 manholes and flush holes will be rehabilitated or replaced.
- | 615 laterals are included and will be rehabilitated through pipe bursting, CIPP lining, or replaced by open cut.
- | 1.6 miles of street resurfacing of County maintained roads
- | 21 ADA compliant curb ramps adjacent to County maintained streets

The project will include a total of 5.8 miles of pipeline (2.2% of the total system).

The engineer's estimate of probable construction cost for the project is \$7,200,000, which includes sewer (NapaSan) and roadway (County) rehabilitation work.

The contractor has 240 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in February 2019 and construction is expected to be complete by the end of October 2019. District staff and County staff will perform construction management and inspection of this project. At the completion of this project, post construction flow monitoring will be performed as part of the I&I Reduction Program to evaluate the success of the project.

Plans are available for review in the NapaSan's Administrative Office and will be available at the NapaSan Board meeting on October 17, 2018.

### **FISCAL IMPACT**

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|-----------------------------------|--|
| Is there a Fiscal Impact?         | Yes  |
| Is it currently budgeted?         | Yes  |
| Where is it budgeted?             | The project is budgeted in the FY 18/19 and 19/20 Capital Improvement Program. The project budget for Sanitary Sewer Rehabilitation is \$6,208,950. The project budget for Roadway Rehabilitation is \$1,615,328, which will be reimbursed to NapaSan by Napa County as construction progresses. |
| Is it Mandatory or Discretionary? | Discretionary  |
| Discretionary Justification:      | This project will rehabilitate a portion of the collection system that has been previously identified as a significant source of I&I. The project will result in a reduction of I&I flows in the collection system and ultimately to the Plant.  |

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| Is the general fund affected? | Yes  |
| Future fiscal impact:         | Construction will be completed in FY 19/20. Unused budget in this fiscal year will be carried forward into next fiscal year.   |
| Consequences if not approved: | The I&I within the project boundary will stay at current levels in the collection system and increase over time. Sewer mains that are nearing or have reached their service lives will continue to stay in service, requiring increased maintenance and emergency repairs. |
| Additional Information:       | None.  |

### **ENVIRONMENTAL IMPACT**

Staff performed a preliminary CEQA review of this project and determined the project is Categorical Exempt. This project consists of rehabilitating and replacing existing sewer and street infrastructure involving negligible expansion of capacity, which corresponds to Categorical Exemption 15302 (c) of the California Environmental Quality Act (CEQA) Guidelines. If the Board concurs with this determination, staff will file the attached Notice of Exemption.

### **BACKGROUND AND DISCUSSION**

None.

### **SUPPORTING DOCUMENTS**

- A . Notice of Exemption
- B . Reimbursement Agreement
- C . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy