



Agenda Date: 5/20/2020

Agenda Placement: 8D

## 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:** Accept Completion of the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706)

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### **RECOMMENDATION**

Adopt resolution accepting completion and authorize the General Manager to file the Notice of Completion at the Napa County Office of the Recorder for the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706).

### **EXECUTIVE SUMMARY**

On January 24, 2019, NapaSan entered into a contract with Cratus, Inc. to furnish all labor, materials, equipment, and services required for the construction of the Southeast Napa Sewer and Roadway Rehabilitation Project (CIP 18706). On May 14, 2020, the General Manager submitted his Certificate of Completion to the Board Secretary certifying that the Project was completed to his satisfaction. The total approved contract amount for this project is \$6,891,137.52. Currently 5% or \$344,556.88 is being held as retention on this project. The full retention amount will be released to the Contractor 35-days after filing of the Notice of Completion with the Recorder and NapaSan receives confirmation that all vendors and subcontractors have been paid in full.

The original contract was awarded for \$7,038,772. Total change orders for the project decreased the contract amount by \$147,634.48 which is 2.1% of the original contract amount. There were three change orders that accounted for owner-initiated changes that both added and subtracted scope from the project. The engineer's estimate of probable construction cost was \$7,850,000.

### **FISCAL & STRATEGIC PLAN IMPACT**

Is there a Fiscal Impact? No

### **ENVIRONMENTAL IMPACT**

None.

### **BACKGROUND AND DISCUSSION**

The 2007 Collection System Master Plan (CSMP) identified \$120 million in capacity expansion projects as a result of the high amount of Infiltration and Inflow (I&I) that enters the collection system. The CSMP recommended an I&I Reduction Program to remove I&I from the system as an alternative to conducting capacity expansion projects.

The I&I Reduction Program findings indicate that certain areas in the collection system contribute much higher I&I than other areas. The areas defined within the scope of this project are sources of significant I&I and were in need of rehabilitation.

To reduce I&I, this Project completed the following scope of work:

1. Rehabilitated or replaced 33,331 linear feet (6.3 miles) of sewer main (2.3% of the total system);
2. Abandoned 725 linear feet of parallel and inactive sewer main and 9 manholes that will save costs on future maintenance;
3. Replaced or rehabilitated 68 manhole or flush hole structures;
4. Rehabilitated or replaced 602 public laterals; and
5. Replaced or installed 317 cleanouts.

Staff performed construction management and inspection of this project. In the future, post-construction flow monitoring will be performed as part of the I&I Reduction Program to evaluate the effectiveness of this project.

A large portion of the project is situated within a County "pocket" area, and, during the planning phase, Napa County Public Works had expressed an interest in rehabilitating the streets within their jurisdiction. NapaSan and County Public Works staff agreed to a partnership, through which the County maintained streets in the project area were resurfaced as part of this project. This approach minimized impacts to the community by completing underground utility rehabilitation/replacement and street resurfacing within the same construction season. The County and NapaSan entered into a Reimbursement Agreement, through which costs for street resurfacing and associated improvements were reimbursed by Napa County with Measure T funding.

In addition to the sewer rehabilitation scope of work, the project also completed 1.26 miles of street resurfacing and installation of 20 ADA compliant curb ramps on County maintained roads.

The City of Napa Public Works Department is currently in the process of resurfacing City maintained local and residential streets within the project area, which is anticipated to be completed this summer.

### **SUPPORTING DOCUMENTS**

- A . Certificate of Completion - CIP 18706
- B . Completion Resolution - CIP 18706

C . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy