



Agenda Date: 8/16/2017

Agenda Placement: 7G

## 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:** JILL HUGHES, Associate Engineer - 707-258-6013  
**SUBJECT:** Award Contract for the Manhole Rehabilitation Basin H Project (CIP 18704)

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### **RECOMMENDATION**

Award construction contract for the Manhole Rehabilitation Basin H Project (CIP 18704) to H&R Plumbing and Drain Cleaning, Inc. for the bid amount of \$158,684 and authorize the General Manager to execute the agreement with the contractor and issue the Notice to Proceed, when appropriate.

### **EXECUTIVE SUMMARY**

On August 1, 2017 the District received one bid from H & R Plumbing and Drain Cleaning, Inc. for the bid amount of \$158,684 for the Manhole Rehabilitation Basin H Project (CIP 18704). The Engineer's Estimate for the project was \$170,000. The bid amount is 7% less than the engineer's estimate.

The purpose of this project is rehabilitate approximately 104 manholes by injecting foam grout/gels into the annular space around the piping connections lined with Nipak and fully rehabilitate 9 additional manholes to reduce infiltration into the collection system. Thirteen of the 104 manholes lined with Nipak will also be fully rehabilitated with restoration mortar and composite coating in addition to grout injection to stop any active leaks. The nine additional manholes were observed with heavy leakage during the night time reconnaissance during the winter of 2016/2017 and will be rehabilitated by applying grout, restoration mortar, and coating to reduce infiltration. The project will rehabilitate all of the remaining manholes in the collection system where Nipak pipe liners were installed. District staff will perform construction management and inspection for the project.

Staff believes the bid amount is competitive as the pricing is lower than previous, similar project bid pricing and lower than the engineer's estimate. Staff recommends award of the total project.

Notice to Proceed is expected to be issued in August 2017 and construction is expected to start in September

2017. The Contractor has 60 calendar days to substantially complete the project from Notice to Proceed.

### **FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	This project budget is \$284,000 in Fiscal Year 17/18.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The project is necessary to increase the longevity of the manholes and reduce groundwater infiltration.
Is the general fund affected?	Yes
Future fiscal impact:	None.
Consequences if not approved:	Infiltration will continue to enter the collection system from the annular space, cracks, and joints in the manholes and the internal condition of the manholes will continue to deteriorate.
Additional Information:	

### **ENVIRONMENTAL IMPACT**

On June 21, 2017 the Board concurred with Staff's determination that the project is Categorical Exempt under California Environmental Quality Act (CEQA) Guidelines Article 19, Section 15301 (b). The Notice of Exemption was filed with Napa County Recorder on August 1, 2017.

### **BACKGROUND AND DISCUSSION**

The scope of this project stems from the ongoing infiltration and inflow investigations identifying manholes as a source of infiltration. Basin H displayed a high amount of infiltration and inflow during wet weather events in January/February 2017. This project will rehabilitate manholes in the collection system that have piping connections lined with Nipak pipe liners that were installed in the 1970s that have displayed infiltration during flow monitoring and nighttime reconnaissance. A similar project rehabilitated other manholes in the State Street area that also had Nipak pipe connections with successful reduction of infiltration.

### **SUPPORTING DOCUMENTS**

A . Project Area Map

Napa Sanitation District: Approve

Reviewed By: Timothy Healy