



# WASHOE COUNTY

Integrity Communication Service

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## STAFF REPORT

**BOARD MEETING DATE:** September 25, 2018

**DATE:** August 24, 2018

**TO:** Board of County Commissioners

**FROM:** Megan Sizelove, P.E., Project Manager, Engineering & Capital Projects  
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**THROUGH:** Dwayne Smith, P.E., Division Director, Engineering & Capital Projects  
Community Services Department, 328-2043, [desmith@washoecounty.us](mailto:desmith@washoecounty.us)

**SUBJECT:** Recommendation to award a bid and approve the Agreement to the lowest responsive, responsible bidder for the 2018 Manhole Rehabilitation Project [staff recommends National Coating & Lining Co., in the amount of \$372,707.00]. (All Commission Districts).

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### SUMMARY

The 2018 Manhole Rehabilitation Project consists of the rehabilitation of 55 sanitary sewer manholes within the South Truckee Meadows sewer collection system. The sanitary sewer manholes were identified by Carollo during their flow and water quality investigation and by field investigations performed by County staff. The rehabilitation of the manholes will include the plugging and removal of any existing leakage within the manhole, the surface preparation of the manhole and the application of an approved coating system.

Sealed bids for the 2018 Manhole Rehabilitation Project were opened on August 23, 2018. The list of bids received for the project is as follows:

| 2018 Manhole Rehabilitation Project |                     |
|-------------------------------------|---------------------|
| Bidder                              | Amount              |
| National Coating & Lining Co        | \$372,707.00        |
| Resource Development Co.            | \$391,570.00        |
| <b>Engineers Estimate</b>           | <b>\$350,000.00</b> |

Staff has verified in the System for Award Management Exclusions that no bidder is excluded from receiving federal government contracts as a result of being debarred; thus, none of the bidders is prohibited by NRS 338.017(2) from being awarded a public works contract.

**AGENDA ITEM # \_\_\_\_\_**

Washoe County Strategic Objective supported by this item: Safe, secure and healthy communities.

### **PREVIOUS ACTION**

On October 24, 2017, the Board of County Commissioners (Board) approved an agreement for Professional Consulting Services between Washoe County and Carollo Engineers, Inc. consulting engineering services for a flow and water quality investigation of the South Truckee Meadows Water Reclamation Facility (STMWRF) and Spanish Springs service areas.

### **BACKGROUND**

During the very wet winter of 2017, significant increases in sanitary sewer flows were observed. The unanticipated increase of future flows has the potential to effect the conveyance capacity of the existing sanitary sewer mains and lift stations in the STMWRF service area. Staff determined that a detailed storm, infiltration and inflow analysis for sanitary sewers was needed for the service territory. Typically, these inflow are attributed to surface runoff reaching the collection system either directly into the system through manhole lids or through a cross-connection from an existing storm drain system. The high rainfall also increases the existing ground water levels and these higher levels can increase the infiltration into the collection system. The infiltration enters the collection system through leaks in the pipe or manholes and fixing such leaks requires either replacing the pipe and manholes or lining the pipes and manholes; lining the manholes and pipe is a more cost effective method.

Carollo provided professional services to help develop a mitigation plan for lowering infiltration and inflow and concentrations of certain contaminants in the sewer flows. These services included identifying the study area through a hydrologic study, compiling and reviewing existing data, quality and geothermal data and developing an experimental plan that will detail further investigations needed to determine the most cost effective mitigation plan. An experimental plan was prepared and is ready for implementation, however it was also determined that several sanitary sewer manholes were leaking and needed to be rehabilitated now.

Carollo's work along with field investigations by County staff, identified 55 sanitary sewers manholes that should be rehabilitated now. It's anticipated that additional investigations, sampling and rehabilitation will be needed to further reduce the amount of infiltration into the sanitary collection system.

### **FISCAL IMPACT**

Sufficient funds and budget authority for this Agreement exist in the Utilities Fund (566), cost center 664950, account 710205 (Repairs and Maintenance). Revenues in support of this Agreement are provided from monthly sewer rate charges.

### **RECOMMENDATION**

It is recommended the Board of County Commissioners award a bid and approve the Agreement to the lowest responsive, responsible bidder for the 2018 Manhole

Rehabilitation Project [staff recommends National Coating & Lining Co., in the amount of \$372,707.00].

**POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion would be:  
"Move to award a bid and approve the Agreement to the lowest responsive, responsible bidder for the 2018 Manhole Rehabilitation Project [staff recommends National Coating & Lining Co., in the amount of \$372,707.00]."