



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: April 9, 2019

DATE: March 8, 2019

TO: Board of County Commissioners

FROM: Megan Sizelove, Project Manager, Engineering and Capital Projects
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Alan Jones, Senior Licensed Engineer, Engineering and Capital Projects
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THROUGH: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects
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SUBJECT: Recommendation to: 1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the Phase 1 – Cast-In-Place Pipe (CIPP) Lining Project [staff recommends SAK Construction, LLC, in the amount of \$1,746,298]; and 2) approve an Agreement for Professional Consulting Services between Washoe County and Brown and Caldwell to provide construction services for the Phase 1 – Cast-In-Place Pipe Lining Project [\$167,358]. (Commission District 2.)

SUMMARY

This project will consist of the rehabilitation of 33 manholes and lining of approximately 6,000 linear feet of 30-inch unlined concrete sanitary sewer interceptor piping that is owned by Washoe County and located along Wilbur May Parkway in South Reno. This section of Washoe County interceptor was determined to be the most problematic for infiltration which impacts both total flow and water quality, primarily in the form of boron and other negative constituents entering the collection system specific to this area of the South Truckee Meadows.

For construction of above, staff competitively bid the construction scope and staff opened sealed bids on March 5, 2019. Three bids were received and summarized as follows.

CIPP Lining Project	
Bidder	Amount
SAK Construction, LLC	\$1,746,298
Michels Corporation	\$2,854,333
Whitaker Construction	<i>Non-responsive</i>
Engineers Estimate	\$1,700,000

Based on the competitive bid results, staff recommends that SAK Construction, LLC, be awarded the construction contract for this project.

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. It was determined that the bid package provided by Whitaker Construction is incomplete and therefore not eligible for consideration.

To provide construction engineering consulting services associated with the field work efforts, staff recommends hiring Brown and Caldwell under a professional services contract. Their responsibility will be to provide construction administration and engineering inspection and material testing services during construction. They previously provided the design and specifications for this project.

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

PREVIOUS ACTION

On August 28, 2018, the Board of County Commissioners (Board) approved an Agreement for Professional Consulting Services between Washoe County and Electro Scan Inc., to provide condition assessment of approximately 14,000 feet of sanitary sewer interceptors within the South Truckee Meadows Water Reclamation Facility service area.

On May 22, 2018, the Board approved the CIP for Fiscal Years 2019-2023.

BACKGROUND

Washoe County owns and operates the South Truckee Meadows Water Reclamation Facility (STMWRF), which provides sewer treatment to approximately 15,000 homes and businesses within southern Washoe County, including significant portions of the City of Reno. STMWRF was commissioned in 1990 and expanded in 2003 and is presently permitted to treat up to 4.1 million gallons of sewage per day.

Washoe County maintains over 150 miles of sanitary sewer interceptors and mains within the STMWRF service area. Maintaining the sanitary sewer collection system requires periodic condition assessment. Staff identified approximately 14,000 feet of pipe that required a detailed analysis of the sanitary sewer interceptors to determine the current condition of the concrete pipe material and to determine possible sources of infiltration.

This analysis, completed by Electro Scan Inc., identified 6,000 lineal feet of reinforced concrete pipe that shows a significant amount of groundwater infiltration entering the pipe. The infiltration reduces the treatment capacity of STMWRF and affects the water quality of the effluent produced by STMWRF.

County staff determined that cast in place pipe rehabilitation was the appropriate method to remove the groundwater infiltration.

FISCAL IMPACT

Sufficient funds and budget authority for the Cast-In-Place Pipe Lining Project exist in the Utilities Fund (566), cost center 664950, account 710205 (Repairs and Maintenance). Expense will post to internal order 49561, which settles to cost center 664950. Revenues in support of this project are provided from monthly sewer rate charges.

RECOMMENDATION

It is recommended the Board of County Commissioners: 1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the Phase 1 – Cast-In-Place Pipe (CIPP) Lining Project [staff recommends SAK Construction, LLC, in the amount of \$1,746,298]; and 2) approve an Agreement for Professional Consulting Services between Washoe County and Brown and Caldwell to provide construction services for the Phase 1 – Cast-In-Place Pipe Lining Project [\$167,358].

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be, "Move to: 1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the Phase 1 – Cast-In-Place Pipe (CIPP) Lining Project [staff recommends SAK Construction, LLC, in the amount of \$1,746,298]; and 2) approve an Agreement for Professional Consulting Services between Washoe County and Brown and Caldwell to provide construction services for the Phase 1 – Cast-In-Place Pipe Lining Project [\$167,358]."