



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: April 16, 2024

DATE: March 25, 2024

TO: Board of County Commissioners

FROM: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects, Community Services, 775-328-2043, desmith@washoecounty.gov

THROUGH: Eric Crump, Director, Community Services, 775-328-3625, ecrump@washoecounty.gov

SUBJECT: Recommendation to: (1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the South Truckee Meadows Steamboat Lift Station and Force Main, PWP-WA-2023-493, [staff recommends K.G. Walters Construction Co., Inc., in the amount of \$14,238,250.00]; and (2) approve a separate project contingency fund [in the amount of \$711,912.00 for the total construction cost not to exceed \$14,950,162.00]. The Project is located at 1202 Trademark Drive, Reno, and the scope of work is for construction of a replacement sanitary sewer lift station, a new sanitary sewer force main, a reclaimed water line extension, a parking area, and associated demolition of the existing lift station and ancillary work necessary to provide increased sanitary sewer conveyance capacity in response to new development within the South Truckee Meadows area of Reno, Nevada. (Commission District 2.)

SUMMARY

The South Truckee Meadows Steamboat Lift Station and Force Main Project consists of the construction of a replacement lift station, sanitary sewer force main, reclaimed water line, parking area, the abandonment of the existing lift station, and ancillary work.

Sealed bids for the South Truckee Meadows Steamboat Lift Station and Force Main Project were opened via e-Builder on March 19, 2024. The list of bids received for the project is as follows:

South Truckee Meadows Steamboat Lift Station and Force Main	
Bidder	Amount
K.G. Walters Construction Co., Inc.	\$14,238,250.00
Aspen Developers Corp.	\$17,260,405.00
Engineer's Estimate	\$16,464,021.00

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,

AGENDA ITEM # _____

none of the bidders is prohibited by NRS 338.017(2) from being awarded a public works contract.

Washoe County Strategic Objective supported by this item: Economic Impacts:
Support a thriving community.

PREVIOUS ACTION

On May 16, 2023, the Board of County Commissioners (Board) adopted the Washoe County Final budget for Fiscal Year 2024 as well as adopting the Capital Improvement Plan (CIP) for Fiscal Years 2024-2028.

On April 11, 2023, the Board approved the purchase of certain portions of real property and sanitary sewer easements associated with the ICON Reno Property Owner Pool 3, Nevada LLC property, a portion of APN-163-010-03, in support of the Steamboat Sanitary Sewer Lift Station and Force Main Project for a purchase price of \$84,000.

On May 26, 2020, the Board approved an Agreement for Professional Consulting Services between Washoe County and Stantec Consulting Services Inc., to provide final design engineering services for the Steamboat Lift Station Improvements project within the South Truckee Meadows Water Reclamation Facility service territory in the amount of \$1,177,395.

On June 11, 2019, the Board approved an Agreement for Consulting Engineering Services between Washoe County and Stantec Consulting Services Inc., to provide feasibility study engineering services for the Steamboat Lift Station Upgrade project within the South Truckee Meadows Water Reclamation Facility service territory in the amount of \$176,804.

On October 24, 2017, the Board approved an Agreement for Consulting Engineering Services between Washoe County and Carollo Engineers, Inc. to provide engineering services for sanitary sewer flow and water quality analysis in the existing collection system within the South Truckee Meadows Water Reclamation Facility and Spanish Springs service areas in the amount of \$389,823.

BACKGROUND

Washoe County currently provides wastewater collection and treatment service to residents in the South Truckee Meadows of Reno, Nevada. The County operates a gravity sanitary sewer collection system with three small lift stations and a large regional lift station (Steamboat Lift Station) that utilizes one force main to convey wastewater to the South Truckee Meadows Water Reclamation Facility (STMWRF). The Steamboat Lift Station currently conveys approximately 1.5 MGD (million gallons per day) of sanitary sewer flows to STMWRF for treatment and effluent management.

The Steamboat Lift Station was commissioned in 1991 with minor improvements completed in 2003 and 2007 and with a single force main. The lift station currently has a firm capacity of 4.1 MGD, and the existing force main has a firm capacity of 6.3 MGD. In 2017-2018, a flow monitoring and hydraulic modeling analysis for the entire South

Truckee Meadows sanitary sewer collection system was completed by Carollo Engineers Inc. The findings indicated the Steamboat Lift Station needs to be upgraded or replaced with a new lift station with a firm capacity of 9.5 MGD and a new 20-inch force main. The new force main will become the primary force main and the exiting force main will become a necessary redundant backup.

Stantec provided a feasibility level analysis which included a wetlands delineation, a geotechnical study, a topographic survey of the area, alternatives for the lift station upgrade, a force main alignment alternatives analysis and cost estimates for both the lift station and force main alternatives. An alternatives analysis workshop was conducted to assist County staff and Stantec in selecting the best alternatives. An alternative was selected based on the workshop and additional information requested by County Staff. The selected alternative will require the County to purchase land for the expansion and the acquisition process has started.

Stantec provided the final design which included project management, data collection, survey, geotechnical investigation, US Army Corps of Engineers coordination, environmental report for State Revolving Fund (SRF) requirement, design report, lift station and force main design, landscape and revegetation design, system control design and coordination, design workshops, assistance with SRF, Engineers opinion of probable cost, permitting assistance, bid services, conformed drawings, legal descriptions, value engineering per SRF, STMWRF aquatic resource inventory and contingency services.

FISCAL IMPACT

Sufficient funds and budget authority exist for the total project cost including contingency in FY24 in the Utilities Fund (566), Steamboat Lift Station Capacity Expansion (WR495132), Construction Contracts (781080). Revenues in support of the project are provided from sewer connection fees and user rates.

RECOMMENDATION

It is recommended that the Board of County Commissioners: (1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the South Truckee Meadows Steamboat Lift Station and Force Main, PWP-WA-2023-493, [staff recommends K.G. Walters Construction Co., Inc., in the amount of \$14,238,250.00]; and (2) approve a separate project contingency fund [in the amount of \$711,912.00 for the total construction cost not to exceed \$14,950,162.00]. The Project is located at 1202 Trademark Drive, Reno, and the scope of work is for construction of a replacement sanitary sewer lift station, a new sanitary sewer force main, a reclaimed water line extension, a parking area, and associated demolition of the existing lift station and ancillary work necessary to provide increased sanitary sewer conveyance capacity in response to new development within the South Truckee Meadows area of Reno, Nevada.

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "(1) award a bid and approve the Agreement to the lowest responsive, responsible bidder for the South Truckee Meadows Steamboat Lift Station and Force Main, PWP-WA-2023-493, [staff recommends K.G. Walters Construction Co., Inc., in the amount of

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