



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: June 11, 2019

DATE: May 10, 2019

TO: Board of County Commissioners

FROM: Alan Jones, Senior Licensed Engineer,
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THROUGH: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects
Community Services Department, 328-2043, desmith@washoecounty.us

SUBJECT: Recommendation to approve an Agreement for Professional Consulting Services between Washoe County and Jacobs Engineering Group, commencing June 11, 2019 through August 31, 2020, to provide Phase 1 design engineering services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [\$1,530,922]. (Commission District 2.)

SUMMARY

The Community Services Department (CSD) is requesting approval of a professional services agreement with Jacobs Engineering Group (Jacobs) to provide Phase 1 planning and engineering services for the South Truckee Meadows Water Reclamation Facility (STMWRF) Expansion Project.

The outcome of the work will be to update and validate the 2016 facility plan that was completed by Carollo Engineers, Inc., provide preliminary engineering design for selected treatment alternatives, provide Construction Manager at Risk (CMAR) support, and identify and design any early projects that can be completed by the CMAR. Washoe County anticipates constructing \$50-70 million in infrastructure over the next several years at STMWRF. Updating and validating the previous facility planning is a critical step to ensure future rehabilitation and expansion work is thoughtfully planned and implemented on-schedule and within budget. Once the preliminary engineering is completed and the expansion project with probable costs is identified additional engineering services from Jacobs will be needed for the final design of the project and another contract will be brought to the Board of County Commissioners (Board) for approval.

In 2018, staff conducted a qualifications-based selection process for an engineering consultant team to conduct this work. Jacobs, a consulting firm with extensive wastewater treatment facility engineering expertise, was ranked highest amongst several other highly qualified regional engineering firms.

AGENDA ITEM # _____

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

PREVIOUS ACTION

On February 12, 2019, the Board approved an Agreement for Professional Consulting Services for the Washoe County South Truckee Meadows Wastewater 2020 Expansion Project Owner's Representative Services between Washoe County and HDR Engineering [in the amount of \$375,244].

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.

On March 10, 2015, the Board approved an agreement for consulting engineering services with Carollo Engineers Inc., in the amount of \$340,438, to provide planning and engineering services for the South Truckee Meadows Water Reclamation Facility 2015 Facility Plan Update Project.

On February 13, 2007, the Board awarded an agreement for consulting engineering services with CH2M Hill Inc. to provide facility planning and preliminary engineering services for the South Truckee Meadows Water Reclamation facility.

On August 20, 2002, the Board adopted the South Truckee Meadows Water and Wastewater Facility Plan.

BACKGROUND

Washoe County owns and operates the South Truckee Meadows Water Reclamation Facility (STMWRF) which provides sewer treatment to approximately 13,000 homes and businesses within southern Washoe County, including portions of the City of Reno. The facility was commissioned in 1990 and expanded in 2003. STMWRF is presently configured to treat up to 4.1 million gallons of sewage per day (MGD). Wastewater influent flows to STMWRF are presently 3.5 million gallons per day and increasing approximately 3-percent annually.

Since STMWRF is nearing its permitting capacity, the State of Nevada Division of Environmental Protection requires that Washoe County update facility planning to ensure the next phase of sewer capacity is thoughtfully planned and ready when needed. Major infrastructure improvements at STMWRF can take 3-5 years to plan and construct.

The professional service contract being considered at this time includes: project management, 2016 facility plan validation, STMWRF 2020 expansion Phase 1 project definition, CMAR coordination, early construction packages, quality control, public outreach and support and additional engineering if needed.

FISCAL IMPACT

Sufficient funds and budget authority in FY19 for the \$1,530,922 Consulting Engineering Services Agreement exist in the Utilities Fund (566) in project WR860109 account 710100 (Professional Services). Revenues in support of the expansion project are provided from developer sewer connection fees.

RECOMMENDATION

It is recommended the Board of County Commissioners approve an Agreement for Professional Consulting Services between Washoe County and Jacobs Engineering Group, commencing June 11, 2019 through August 31, 2020, to provide Phase 1 design engineering services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [\$1,530,922].

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "Move to approve an Agreement for Professional Consulting Services between Washoe County and Jacobs Engineering Group, commencing June 11, 2019 through August 31, 2020, to provide Phase 1 design engineering services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [\$1,530,922]."