



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: January 14, 2020

DATE: December 6, 2019

TO: Board of County Commissioners

FROM: Megan Sizelove, P.E., Project Manager, Community Services Department, 328-2316, msizelove@washoecounty.us

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 between Washoe County and MWH Constructors/KG Walters Construction for CMAR Pre-Construction Services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [631,280]. (Commission District 2.)

SUMMARY

Washoe County Utilities selected the Construction Manager at Risk (CMAR) project delivery method for the South Truckee Meadows Water Reclamation 2020 Facility (STMWRF) Expansion Project. This method maximizes innovation while decreasing project duration.

The Community Services Department (CSD) is requesting approval of the Pre-Construction Agreement with MWH Constructors/KG Walters Construction to provide pre-construction services during the design phase of the project.

Under the pre-construction services agreement, CMAR will provide a variety of integral services which includes; constructability, construction costing, and construction duration, sequence of construction, all while focusing on current construction means and methods. It will also evaluate Value Engineering suggestions based on relevant first cost, life cycle cost, schedule impact, and constructability issues.

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

PREVIOUS ACTION

On June 11, 2019, the Board of County Commissioners (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 Jacobs Engineering Group [in the amount of \$1,530,922].

AGENDA ITEM # _____

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 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. At this point in the project it is estimated cost of the expansion of the STMWRF to respond to the needs to treat and manage additional flows is between \$50 million and \$60 million. The actual cost will be determined through the facility needs, design and bidding process and this estimate should be considered only an estimate. The estimate at this time is considered to be in alignment with regional cost estimates and industry standards. All agreements for design and construction will be brought to the Board for review and approval as required. Funding for this project comes from connection fees paid by new development, collected under the terms of Washoe County utility ordinances.

FISCAL IMPACT

Sufficient funds and budget authority for the \$631,280 CMAR Pre-Construction Services Agreement exist in the Utilities Fund (566) in STMWRF 2020 Expansion (WR860109),

Professional Services (710100). 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 between Washoe County and MWH Constructors/KG Walters Construction for CMAR Pre-Construction Services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [\$631,280].

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "Move to approve an Agreement between Washoe County and MWH Constructors/KG Walters Construction for CMAR Pre-Construction Services for the South Truckee Meadows Water Reclamation 2020 Facility Expansion Project within the South Truckee Meadows Water Reclamation Facility service territory [\$631,280]."