



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: September 14, 2021

DATE: August 20, 2021

TO: Board of County Commissioners

FROM: Megan Sizelove, P.E., Project Manager, Community Services
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THROUGH: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects
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SUBJECT: Recommendation to approve an Amendment No. 2 of the 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 [\$681,077.26]. This amendment will allow for the necessary CMAR (Construction Manager at Risk) preconstruction services through the completion of the project allowing the County to benefit from reduced operational costs, value engineering and constructability savings during construction. Community Services. (Commission District 2.) FOR POSSIBLE ACTION

SUMMARY

The Board of County Commissioners (Board) approved the initial Agreement between Washoe County and MWH Constructors/KG Walters Construction (MWH&KGW) for Construction Manager at Risk (CMAR) Pre-Construction Services in the amount of \$631,280.00 on January 12, 2020. This initial scope of work was built around the understanding of the project at that time and reflected in the number of staff and labor hours to perform cost-estimating, attend meetings and provide design review and constructibility recommendations. As the project has progressed, the complexity of the project has required significantly more investment in pre-construction time, engineering and alternatives analysis which has resulting in overall project savings, but has also exhausted the available funds in the initial Agreement.

On June 29, 2021 Amendment #1 in the amount of \$60,040 was executed by change order and provided funds at that time for the CMAR to continue delivering on preconstruction services while we developed a scope of work and associated budget to meet the remaining needs of the project.

Staff is seeking the Board's authorization to the attached Amendment #2 in the amount of \$681,077.26, bringing the total agreement amount to \$1,372,397.26. This request recognizes the Nevada Revised Statutes (NRS) and Washoe County policy requirements and seeks Board approval of any change to a project budget which results in cost

AGENDA ITEM # _____

increases exceeding \$25,000.00 or 5%, whichever is greater, of the original approved contract agreement.

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

PREVIOUS ACTION

On May 18, 2021, the Board approved the Capital Improvements Plan for Fiscal Years 2022-2026.

On July 14, 2020, the Board approved the Capital Improvements Plan for Fiscal Years 2021-2025.

On November 10, 2020, the Board approved the Owner-CMAR Agreement for the CMAR to construct Influent Pump and Screen Replacement Project under a Guaranteed Maximum Price agreement, GMP 2, a separate guaranteed maximum price agreement for the South Truckee Meadows Water Reclamation Facility 2020 Expansion Project in the amount of \$2,749,323.

On August 31, 2020, the Board approved the Owner-CMAR Agreement for the CMAR to procure and supply Enclosed Screw Pumps and Perforated Plate Escalator Screen under a Guaranteed Maximum Price agreement, GMP 2A, in support of the South Truckee Meadows Water Reclamation Facility 2020 Expansion Project in the amount of \$1,236,283.

On May 26, 2020, approved the Board the initial Project Owner-CMAR Construction Agreement between Washoe County and MWH&KGW, for Guaranteed Maximum Price #1 in the amount of [\$10,997,549].

On May 26, 2020, the Board approved an Agreement for Professional Consulting Services for Construction Management Services between Washoe County and HDR Engineering, Inc., in support of the South Truckee Meadows Water Reclamation Facility 2020 Expansion Project in the amount of \$5,305,577.27.

On April 21, 2020, the Board adopted an ordinance authorizing the issuance by Washoe County, Nevada of its General Obligation (Limited Tax) Sewer Bond additionally Secured by Pledged Revenues) Series 2020 in the maximum principal amount of [\$27,000,000] for the purpose of financing sewerage projects for the County; providing the form, terms and conditions thereof and covenants relating to the payment of said bond; and providing for its adoption as if an emergency exists; and providing other matters relating thereto.

On January 12, 2020, the Board approved 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 in the amount of \$631,280.

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].

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 \$60 million and \$100 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 in FY2022 for the \$681,077.26 CMAR Pre-Construction Services Agreement exist in the Utilities Fund (566), 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 Amendment No. 2 of the 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 [\$681,077.26]. This amendment will allow for the necessary CMAR preconstruction services through the completion of the project allowing the County to benefit from reduced operational costs, value engineering and constructability savings during construction.

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "Move to approve Amendment No. 2 of the 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 [\$681,077.26]. This amendment will allow for the necessary CMAR preconstruction services through the completion of the project allowing the County to benefit from reduced operational costs, value engineering and constructability savings during construction."