



WASHOE COUNTY

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STAFF REPORT

BOARD MEETING DATE: April 10, 2018

DATE: March 20, 2018

TO: Board of County Commissioners

FROM: Alan Jones, Sr. 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: Approve an Agreement for Professional Consulting Services between Washoe County and CH2M Hill, Engineers, Inc. to provide programming and design services for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation [\$123,000.00].
(Commission District 2.)

SUMMARY

The Community Services Department (CSD) is requesting approval of a professional services agreement with CH2M Hill (consultant). The consultant is to provide programming and design services for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation Project.

This contract supports the specialized programming and design tasks needed to address the following project elements: replacement of the chemical storage tanks, replacement of all chemical delivery pumps and piping; additional safety platforms and railing around the chemical storage tank area to enhance operator safety; structural improvements to enhance chemical spill containment areas, and improvements to the outdoor chemical delivery area.

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

PREVIOUS ACTION

On February 11, 2014, Washoe County approved an agreement for consulting engineering services with Carollo Engineers Inc., in the amount of \$25,575, to provide a physical condition and code-compliance assessment for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building's chemical storage and delivery systems.

On October 13, 2015, the Board of County Commissioners (Board) approved an agreement for consulting engineering services with Carollo Engineers Inc., in the amount of \$131,719, to provide design engineering services for the South Truckee Meadows

AGENDA ITEM # _____

Water Reclamation Facility Chemical Storage Building chemical storage and delivery systems.

On November 15, 2016, the Board approved an agreement for consulting engineering services with Carollo Engineers Inc., in the amount of \$298,329, to provide design engineering and construction management services for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation.

On July 11, 2017, the Board approved an agreement to the lowest responsive, responsible bidder for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation Project to Resource Development Company, in the amount of \$1,588,986.00.

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. Approximately \$50 million in infrastructure improvements are planned over the next several years at STMWRF, which will enhance treatment performance, maintain existing infrastructure in reliable condition, and provide future wastewater treatment capacity.

On May 28, 2014, Washoe County received a report prepared by Carollo titled “South Truckee Meadows Reclamation Facility Chemical Storage Building Rehabilitation Evaluation” (Report). The Report provided an assessment of the building’s condition and functionality relating to: fire and building code compliance; operator safety, structural and mechanical integrity, and operating reliability of the chemical storage and delivery mechanical systems. The Report cited several areas within the building needing improvement.

Carollo Engineers provided design and construction management services for the project and Resource Development was awarded the construction contract for the rehabilitation project. Currently, the construction is ongoing and it’s anticipated that the project will be within budget and on schedule.

Additional programming services are needed for the supervisory control and data acquisition (SCADA) system to complete the project. Ch2m has provided programming services for previous STMWRF projects and they have provided the County with a scope of services for the Chemical Building Rehabilitation Project. The scope includes programming services, software operations manual update, a post-configuration review meeting, installation testing, functional testing, training, performance period testing and modifications for the existing Dynasand EcoWash filter backwash programming.

FISCAL IMPACT

This project was identified and recommended for approval by the Board in the 2017-2018 Capital Improvement Program. Sufficient funds and budget authority exists in Fund 566, project number WR495120, account 710100. Revenues in support of this project are provided from monthly sewer rate charges.

RECOMMENDATION

It is recommended the Board of County Commissioners approve an Agreement for Professional Consulting Services between Washoe County and CH2M Hill, Engineers, Inc. to provide programming and design services for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation [\$123,000.00].

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 CH2M Hill, Engineers, Inc. to provide programming and design services for the South Truckee Meadows Water Reclamation Facility Chemical Storage Building Rehabilitation [\$123,000.00]."