

STAFF REPORT

Date: April 24, 2024

To: Mayor and City Council

Through: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consulting Agreement for Engineering Services with AtkinsRealis USA, Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Year 1 Manhole and Piping Rehabilitation Project in the amount of \$205,280 with the City of Reno's share being \$140,883.66. (Sewer Fund)

From: Matt Smith, Senior Civil Engineer

Department: Utility Services

Summary:

Truckee Meadows Water Reclamation Facility (TMWRF) has an extensive plant drainage system consisting of a network of manholes, catch basins, and underground pipes responsible for conveying stormwater and internal plant process flows by gravity to the plant influent pump station. Most of the plant drainage infrastructure has been in use since 1964 and has not been rehabilitated. AtkinsRealis USA, Inc. (AtkinsRealis) previously performed an evaluation of the entire drainage system at TMWRF and provided a phased, multi-year rehabilitation plan based on their findings. This agreement with AtkinsRealis is to provide engineering design for the TMWRF Year 1 Manhole and Piping Rehabilitation Project, to address priority drainage infrastructure at the plant. Staff recommends Council approve the Agreement for Engineering Services with AtkinsRealis as described in the attached scope of work in an amount not to exceed \$205,280, with the City of Reno's (Reno) share being \$140,883.66 from the Sewer Fund.

Table 1: Consent Review

| Consent Review | Yes | No |
|--|--------------|-----------|
| 1. Is this item an annual or standard item that comes before Council for regular approval? | | X |
| 2. Is this item an agreement required based on an item previously approved by Council? | X | |
| 3. Is this item included in the current budget approved and adopted by Council? | X | |
| Other Considerations | | |
| What percent of the total City budget does this item represent? | 0.02% | |

Alignment with Strategic Plan:

Fiscal Sustainability

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

April 12, 2023 – Council approved an agreement with Atkins North America, Inc. for the TMWRF Plantwide Sewer Manhole and Drain Facility Assessment Project

Background:

TMWRF is jointly owned by the Cities of Reno and Sparks and was originally built in 1964 with plant expansions occurring in 1978, 1985, and 2004. The TMWRF property contains manholes, catch basins, and underground pipes that route stormwater runoff and other flows back to the beginning of the treatment processes. Over time, these concrete structures degrade and need to be replaced or repaired to continue conveying flow. In October 2022, AtkinsRealis performed an assessment of Manhole ‘E,’ one of the facility’s manholes, due to visible corrosion and safety concerns. Manhole ‘E,’ one of the newer manholes at the plant, was installed in 2004 and noted to be in severe condition and immediate need of rehabilitation. In October 2023, AtkinsRealis provided TMWRF staff with an evaluation report for the entire drainage system and recommendations for rehabilitation prioritization for areas of concern.

Discussion:

This agreement is for engineering design services for the rehabilitation of high-priority manholes, catch basins, and drain piping as recommended in AtkinsRealis’ evaluation report. The agreement also includes a supplemental site survey that may be necessary for the final design as an owner-directed service and will only be performed on an as-needed basis.

Financial Implications:

The TMWRF Year 1 Manhole and Piping Rehabilitation Project is included in the current fiscal year’s Capital Improvement Plan (CIP) as approved by the TMWRF Joint Coordinating Committee (JCC) and the respective City Councils of Reno and Sparks through the budget process. The City of Reno will administer the agreement and be reimbursed for a portion of the costs by the City of Sparks through the current cost-sharing agreement for TMWRF operations and maintenance. The Cities of Reno and Sparks share the cost of this project as follows: 68.63% for Reno and 31.37% for Sparks, as shown in Table 2. Costs for the City of Reno are budgeted in the Sewer Fund.

Table 2 – Cost Sharing Between Reno and Sparks

| Total Cost of Agreement | Reno Share | Sparks Share |
|--------------------------------|-------------------|---------------------|
| \$205,280 | \$140,883.66 | \$64,396.34 |
| Percentages | 68.63% | 31.37% |

Legal Implications:

The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

Recommendation:

Staff recommends Council approval of the consultant agreement with AtkinsRealis USA, Inc. for engineering services for the TMWRF Year 1 Manhole and Piping Rehabilitation Project in an amount not to exceed \$205,280 with the City of Reno's portion being \$140,883.66 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Area & Vicinity Map for TMWRF Year 1 Manhole and Piping Rehabilitation Project
Agreement with AtkinsRealis - TMWRF Year 1 Manhole and Piping Rehabilitation Project