

STAFF REPORT

Date: July 27, 2022

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement for Construction Management Services with Shaw Engineering, for the Edison Way and University Lift Stations Replacement Project in an amount not to exceed \$552,380. (Sewer Fund)

From: Erick Miller

Department: Utility Services

Summary: Construction inspection is crucial for underground utilities as it helps ensure that the project is built per plan/specification and the City is getting a great product once complete. This agreement with Shaw Engineering for construction management services will provide inspection, materials testing, surveying, and SCADA programming during the construction of the Edison Way and University Lift Stations Replacement Project. Staff recommends Council approval of the agreement with Shaw Engineering in an amount not to exceed \$552,380.

Alignment with Strategic Plan: Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action: November 10, 2021 - Council approved an agreement with Shaw Engineering for the Professional Engineering Services for the Edison Way and University Lift Stations..

Background: In addition to the over 800 miles of sanitary sewer pipe within the City of Reno's sanitary sewer collection system, it also includes 30 lift stations. In February 2020, Brown and Caldwell produced a lift station assessment report to evaluate the condition of the City's lift stations. As part of the evaluation, improvements were recommended and prioritized. All lift stations were assigned a rehabilitation priority score of 1 (highest) to 5 (lowest). The Edison Way Lift Station was assigned a score of one (1) due in part to its outdated layout, being run on delta power (obsolete and does not conform with current standards), and corrosion in the wet well. The University Lift Station was assigned a score of two (2) due in part to its outdated layout, being run on delta power (obsolete and does not conform with current standards), and corrosion in the wet well.

Discussion: This construction services agreement will provide inspection services, materials testing and special inspections, surveying, SCADA integration and programming, electrical short circuit analysis, and arc flash analysis during the construction of the Edison Way and University Lift Stations Replacement Project near the intersections of Edison Way and Joule Street (Edison Way Lift Station) and Moraine Way and Lodestar Lane (University Lift Station). The construction of the Edison and University Lift Stations Replacement Project is being considered for award by Council under a separate agenda item on July 27, 2022.

In addition to the sewer lift station improvements, approximately 75 feet of new sanitary sewer force main will be installed for the Edison Lift Station and 500 feet of new sanitary sewer force main for the University Lift Station since both existing force mains have reached the end of their useful life. The lift station sites and associated force mains are shown in blue on the attached maps.

Nevada law prohibits the competitive bidding of engineering, architectural or land surveyor services; therefore, the Public Works Department has established a selection process based on competence and qualifications. Shaw Engineering was selected from the City's pre-qualified list of consultants from the 2020/2022 list.

Financial Implications: Funding for this agreement will be from the Sewer Fund.

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

Recommendation: Staff recommends approval of the consultant agreement with Shaw Engineering in an amount not to exceed \$552,380 and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.

Attachments:

Edison Lift Station Map

University Lift Station Map

Shaw Agreement