

STAFF REPORT

Date: April 26, 2023

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement for Professional Engineering Services with Shaw Engineering for the Huffaker Sanitary Sewer Lift Station and the Lakeridge Sanitary Sewer Lift Station Project in an amount not to exceed \$321,940. (Sewer Fund)

From: Erick Miller

Department: Utility Services

Summary:

The City of Reno Lift Station Capital Improvement plan has a number of lift stations improvements and rehabilitations programed for the next three years. The replacement of the Huffaker and the Lakeridge Sanitary Sewer Lift Stations are required due to their age, deteriorating structural conditions, and maintenance concerns. This agreement with Shaw Engineering for professional engineering services will provide preliminary design, final design, and construction bid services. Staff recommends Council approval of the agreement with Shaw Engineering in an amount not to exceed \$321,940.

Alignment with Strategic Plan:

Fiscal Sustainability

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

June 13, 2018 – Council approved a Consultant Agreement with Brown and Caldwell for the Sanitary Sewer Lift Station Condition Assessment and Master Plan in an amount not to exceed \$469,352 (Sewer Fund).

Background:

In addition to over 800 miles of sanitary sewer pipe within the City of Reno's sanitary sewer collection system, it also includes 30 lift stations. The City commissioned Brown and Caldwell to produce a lift station assessment report to evaluate the condition of the City's lift stations that was published in February 2020. As part of the evaluation, improvements were recommended

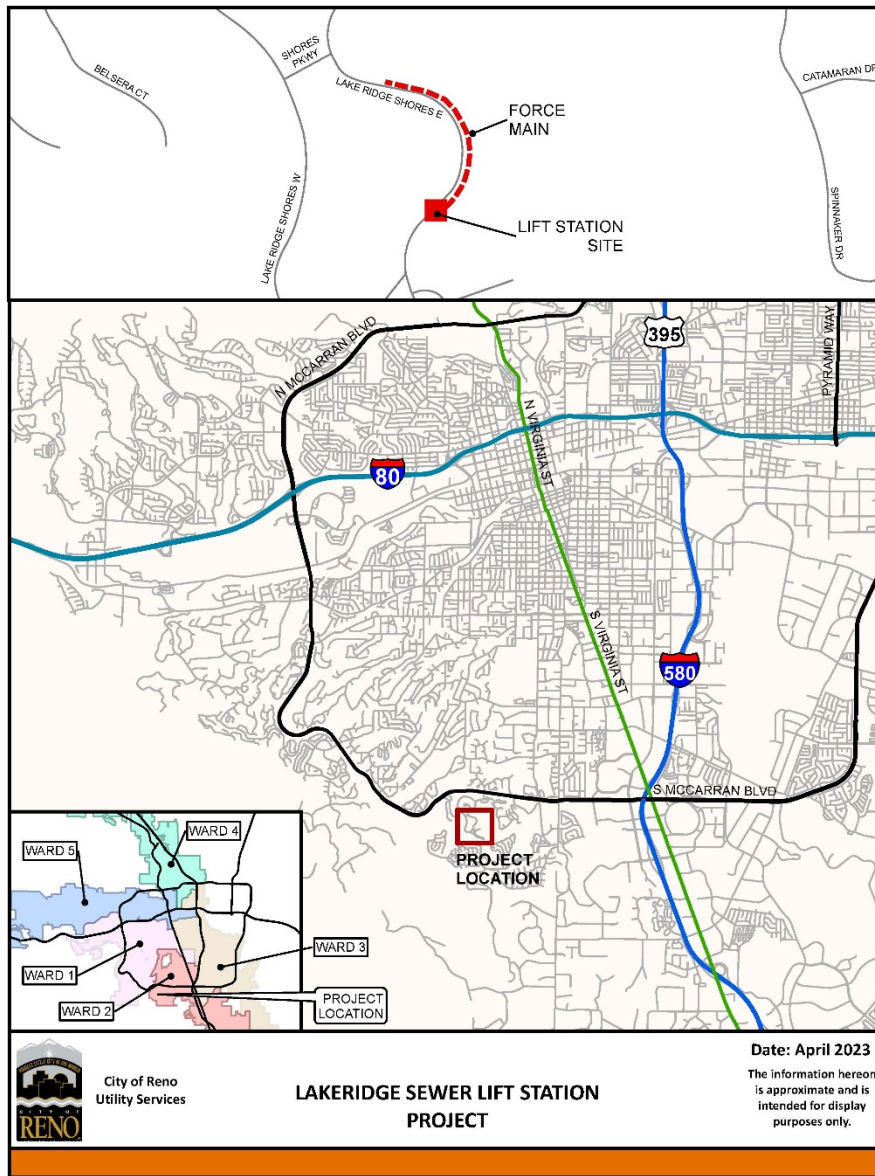
and prioritized for the lift stations.

Each lift station was assigned a rehabilitation priority score between 1 (highest) to 5 (lowest). The Huffaker Lift Station was constructed in 1977 and received a score of 2 due to its outdated infrastructure. The Lakeridge Lift Station was constructed in 1977 received a score of 2 due to its outdated infrastructure. The Brown and Caldwell report recommended these lift stations for a complete replacement.

Discussion:

This consultant agreement will provide preliminary design, final design, construction documents, bid assistance, geotechnical investigations, field investigations, and surveying services to produce construction documents for soliciting bids to replace the existing Huffaker and Lakeridge Lift Stations. The existing lift stations have reached their useful life and will be replaced to bring up to current industry standards and improve safety for maintenance staff.

Additionally, approximately 1,150 feet of existing sanitary sewer force main (cumulative of both sites) will be replaced due to reaching the end of their useful life. The new force main at both sites will be designed as a part of this consultant agreement. Both lift station sites and their associated force mains are shown in red on the maps below.



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 2022/2024 list.

Financial Implications:

This project is listed in the FY23 Capital Improvement Plan and budget is available in 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 \$321,940 and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Agreement with Shaw Engineering