

STAFF REPORT

Date: December 14, 2022

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 Lumos and Associates for the North Dakota and Dermody Sanitary Sewer Lift Station project in an amount not to exceed \$323,039. (Sewer Fund)

From: Erick Miller

Department: Utility Services

Summary:

Replacement of the North Dakota sanitary sewer lift station and the Dermody sanitary sewer lift station is required due to the age, deteriorating conditions of the structures, and maintenance concerns. This agreement with Lumos and Associates for professional engineering services will provide preliminary design, final design, and construction bid services. Staff recommends Council approval of the agreement with Lumos and Associates in an amount not to exceed \$323,039.

Alignment with Strategic Plan:

Fiscal Sustainability

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

There is no recent Council action relevant to this item.

Background:

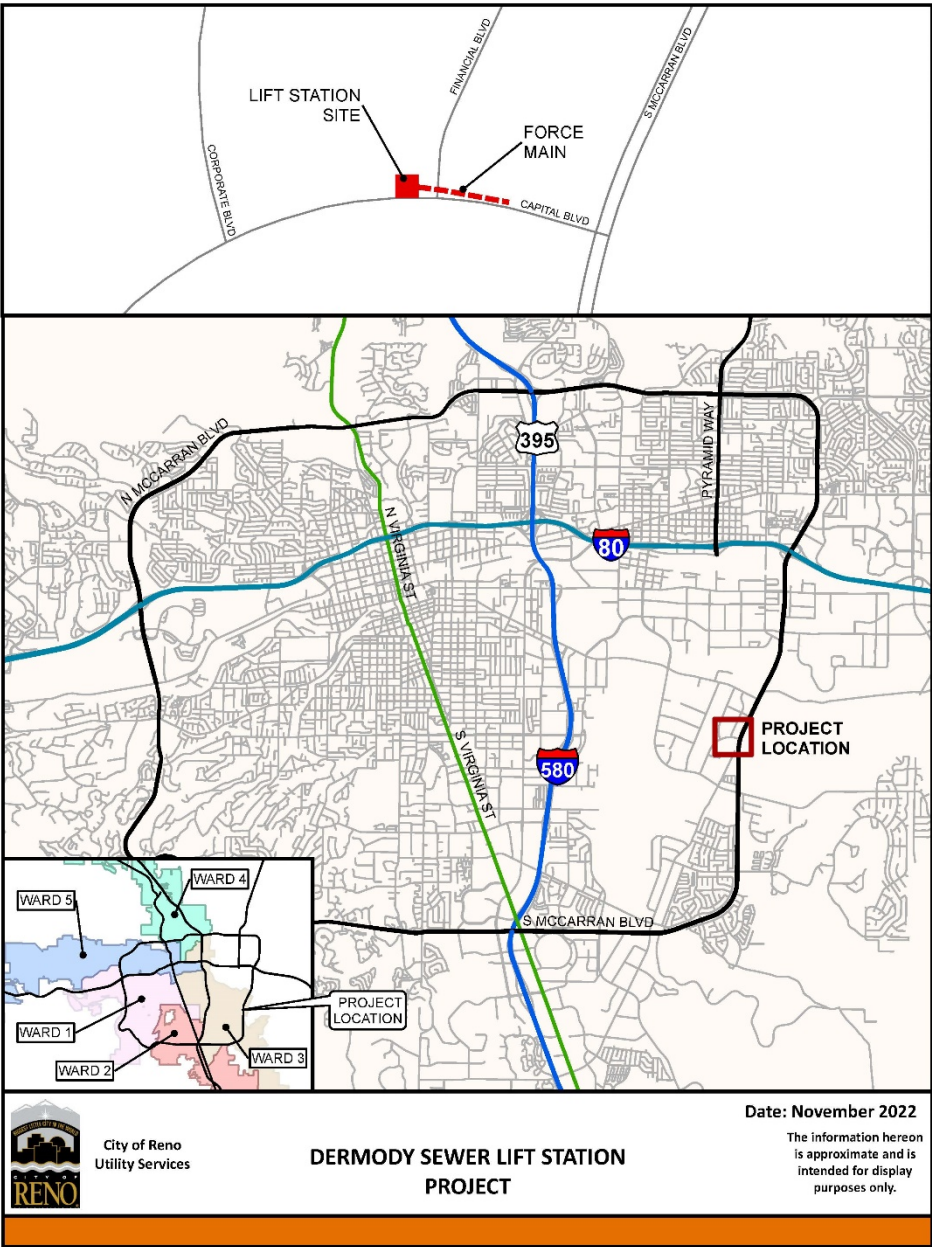
In addition to the over 800 miles of sanitary sewer pipe within the City of Reno's sanitary sewer collection system, it also includes 30 lift stations. The City commissioned Brown and Caldwell to produce a lift station assessment report to evaluate the condition of the City's lift stations. The report was published in February 2020. As part of the evaluation, improvements were recommended, and prioritized, for many of the stations. All lift stations were assigned a rehabilitation priority score of 1 (highest) to 5 (lowest). North Dakota, constructed in 1986, was assigned a score of 2 due in part on its failing infrastructure. Dermody, constructed in 1989, was

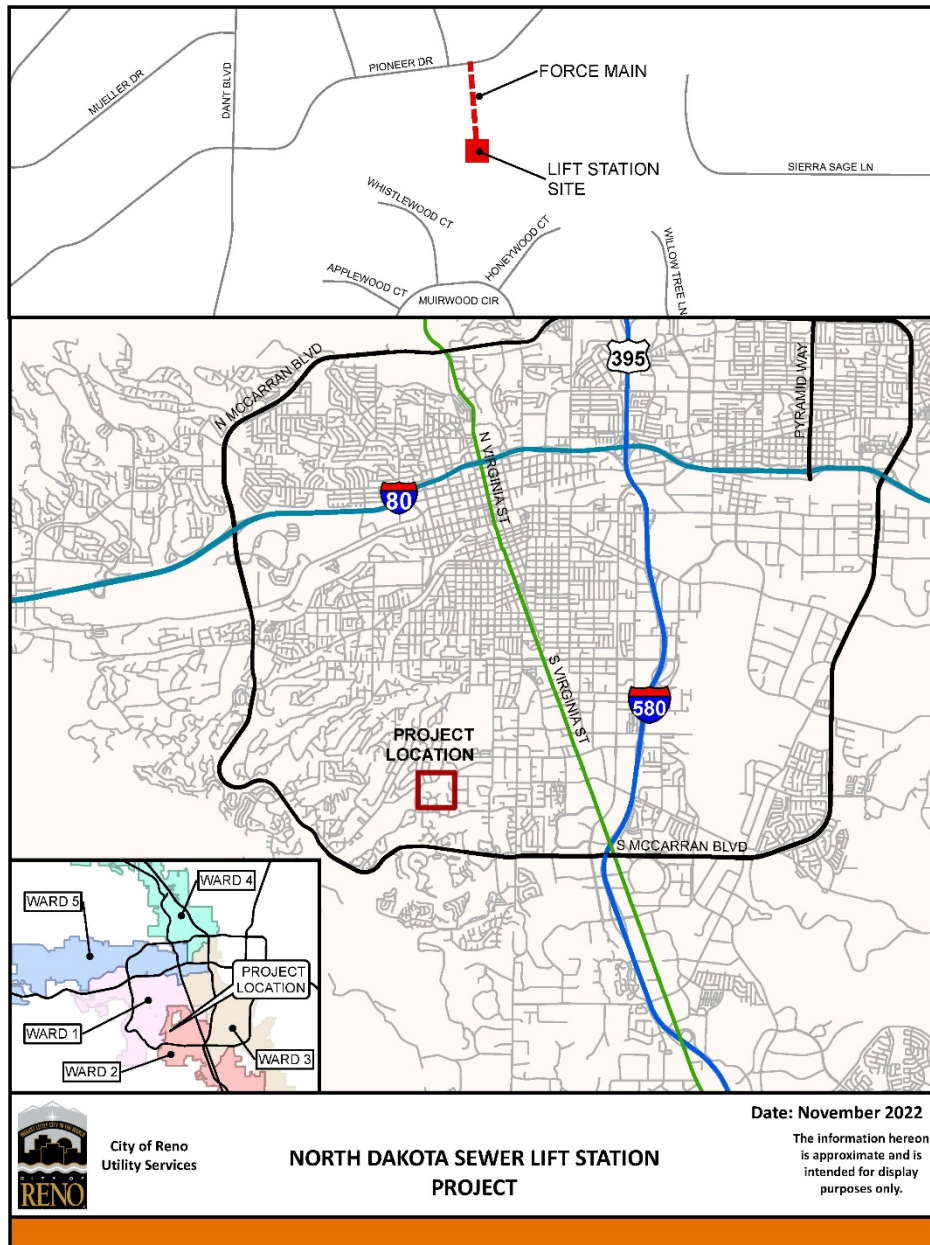
assigned a score of 2 due to failing infrastructure. The Brown and Caldwell report recommend these lift stations for complete replacement.

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 or provide substantial improvements to the existing Dermody and North Dakota sanitary sewer lift stations. The existing lift stations' dry wells, where staff enters to maintain and service the pumps, have experienced groundwater infiltration and visible deterioration. This poses a hazard in operating the stations and safety concern for maintenance staff. Other components of the lift stations are over 40 years old and need to be replaced.

In addition to the sewer lift station improvements, approximately 640 feet of new sanitary sewer force main will also need to be constructed because the existing force main has reached the end of its useful life. The new force main will be designed as a part of this consultant agreement. Each force main will be replaced with a high-density polyethylene (HDPE) pipe that is more durable and longer lasting. The lift station sites, and 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. Lumos and Associates was selected from the City's pre-qualified list of consultants from the 2022/2024 list.

Financial Implications:

Professional engineering services for this project are included in the Fiscal Year 2023 Capital Improvement Plan. 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 Lumos and Associates in an amount not to exceed \$323,039 and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Agreement (PDF)