



CITY OF FERNLEY

CITY COUNCIL

AGENDA REPORT

Meeting Date: October 7, 2020

REPORT TO:	Mayor and City Council
REPORT THRU:	Daphne Hooper, City Manager
REPORT FROM:	Derek Starkey, City Engineer
REVIEWED BY:	Brandi Jensen, City Attorney
REVIEWED BY:	Denise Lewis, City Treasurer

FINANCIAL IMPACT: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	CURRENTLY BUDGETED: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	FUND/ACCOUNT: 520-810-320
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ACTION REQUESTED: <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input type="checkbox"/> Motion <input type="checkbox"/> Receive/File

AGENDA ITEM: Staff Report (For Possible Action): Possible action to approve a contract with Shaw Engineering to update the City's Sewer Master Plan.

Business Impact (per NRS Chapter 237): <input type="checkbox"/> A Business Impact Statement is Attached. <input checked="" type="checkbox"/> A Business Impact Statement is not required because this is not a rule (term excludes vehicles by which legislative powers are exercised under NRS Chapters 271, 278, 278A, or 278B).

Agenda Item Brief: Staff is seeking approval to approve a contract with Shaw Engineering to update the City's Sewer Master Plan. The engineering department does not have adequate staff or resources to complete the update of the master plan in-house. Shaw was selected based upon their qualifications to complete the work. Shaw has a background in utility design and master planning and currently updates and maintains the City's sewer model.

See attached report for background, analysis, alternatives.

RECOMMENDED MOTION:

“I move to approve of a contract with Shaw Engineering to update the City’s Sewer Master Plan in an amount not to exceed \$133,500.”

ALTERNATIVES:

Staff has no recommendations for alternatives, the project is within budget, the update is long overdue and Shaw is a qualified engineering firm capable of performing the work.

PROJECT SUMMARY:

The City of Fernley last updated its sewer master plan in 2009. Utility master planning updates should be completed every three to five years to remain current with system improvements and constraints along with growth and development trends within the community. The City’s sewer master plan has not been updated in 11 years largely due to funding and staffing limitations.

Staff would like to contract with an engineering consultant to perform the updates. If approved, Staff would begin work with the consultant immediately. Staff would bring back a draft of the updated master plan to City Council for review and comment and then a final plan for adoption by resolution.

BACKGROUND:

Utility master planning is an important part of owning and operating any utility system. A master planning effort will allow the utility to evaluate the existing system condition and needs and also project how out further growth of the system based on current development trends and land use and zoning. This is important because the master plan can help determine the potential capacity needed to support future growth and development and allow the utility to plan for that growth. This will help the utility to ensure the reliability and efficiency of the system in the long term.

The current Sewer Master Plan was updated and accepted in 2009. The City of Fernley contracted with TRC Engineers, Incorporated to update the plan. The 2009 Sewer Master Plan is an effective document but needs to be updated in order to reflect the changes made to City of Fernley Comprehensive Plan adopted in August of 2018 and the changes to the system that have occurred over the last 11 years.

The 2009 master plan identified a number of projects to be completed by the City in order to meet the demands of a growing community and address issues within the system. Some of these projects have been completed, such as, upgrading and expanding the Donner Trails Lift Station and the Highway 50 Lift Station.

Some physical changes to the system include adding two lift stations; the Camille Lift Station and the TMAI Lift Station and the relining of a wastewater treatment pond and the addition of sludge drying beds at the wastewater treatment plant.

ANALYSIS:

Not applicable.

FINDINGS:

Not applicable.

LEGAL IMPLICATIONS:

The selection of the Shaw Engineering followed the requirements of Nevada Revised Statutes Chapter 625. Shaw currently maintains the City’s sewer model and has a great deal of knowledge of the system as well as utility master planning and design.

FINANCIAL IMPLICATIONS:

Staff has budgeted \$175,000 into general ledger account 520-810-320, Professional Services – Engineering to complete this project. Shaw's current proposal is for \$133,500.

ATTACHMENTS:

1. **City of Fernley Standard Contract**
2. **Shaw Engineering SOW and Fee Schedule Proposal**