



CITY COMMISSION STAFF REPORT

DEPARTMENT: Utilities Department

SUBJECT: Motion to Approve Purchase Order for Rehabilitation of Gravity Sewer Piping -
Utilities

CITY MANAGER RECOMMENDATION:

The City Manager recommends Commission approval of agreement with Shenandoah General Construction, LLC, to provide gravity sewer system rehabilitation services.

BACKGROUND OF ITEM:

One of the major components of the City's Water & Sewer Capital Improvement Master Plan is the rehabilitation of the gravity sewer collection system. Many of the sewer pipes are constructed of vitrified clay and have reached the end of their useful lives (mostly in the eastern side of the City). As these pipes age they develop cracks and defects that, left unresolved, lead to increasing amounts of ground water infiltration. Similarly, concrete manholes deteriorate in the aggressive environment found in sewer systems, and can result in infiltration. Groundwater infiltration increases pumping costs and reduces treatment plant capacity. Defects can also lead to backups and overflows and may ultimately undermine the right-of-way to the point of street collapse. The cost of these consequences exceeds the cost of proactive pipe rehabilitation.

The least disruptive and most cost effective means of sewer pipe rehabilitation is by internal lining. Using this process, a structural lining is inserted into the old pipe, essentially becoming a new pipe inside of the old one. The lining has a lifespan that is comparable to a new pipe constructed by conventional trench excavation. Manholes, too, can be rehabilitated and then lined to help extend their useful lives.

ANALYSIS:

Throughout the City, particularly in the older sections, we have identified a number of pipes and service connections (also known as laterals) that require rehabilitation. Of these, we have selected 87 laterals in the Cooper Estates neighborhood that can be rehabilitated within the limits of this year's budget. To that end, staff has solicited a proposal from Shenandoah General Construction, LLC, who we have used in the past to accomplish this work, and who has a current contract with the Manatee County, FL. Their proposal is attached, and I find it to be reasonable.

The City currently has a contract for these services that was awarded by the Commission on May 14, 2019, but we have found the work by this contractor to be unsatisfactory and cannot recommend using them for these services.

FISCAL IMPACT:

The Commission approved \$400,000 in the current fiscal year, in the Water & Sewer Capital Improvement Fund, for rehabilitation of the gravity sewer system. This has typically been an annual appropriation for ongoing system rehabilitation.

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
450-930-563610-535-WS003	\$400,000	\$399,999	\$1.00

ALTERNATIVES:

The Commission could opt to issue a formal Invitation to Bid for this work, but that was done in 2019 and resulted in a contract with an unsatisfactory contractor. This proposal is from a vendor that has performed well for the City for many years, and their pricing is less than our current contract.

ATTACHMENTS:

1. 1st Amendment of Agreement with Shenandoah General Construction, LLC
2. Exhibit A
3. Exhibit B
4. Complete Agreement with Shenandoah General Construction, LLC