

City of South Daytona

Department of Public Works

1770 Segrave Street • South Daytona, FL 32121 • 386/322-3080



MEMORANDUM

To: James L. Gillis, Jr., City Manager
From: Brian Peek, P.E., Public Works Director
Re: Sewer Inspection Camera System
Date: June 16, 2021

AGENDA ITEM

Item # C10

Date: July 27, 2021

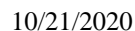
For Public Works to continue investing in the future of the City of South Daytona, a sewer inspection camera system is greatly needed. This system allows for us to inspect and diagnose areas of our sewer system that may need repair. Due to the depth and age of a sewer line, any defect in the sealing of the system can allow ground water to infiltrate the pipe. There is little to no immediate concern of sewage leaking out, as the pressure of the groundwater pushes into the pipe. The primary concern is the cost associated with the infiltration. Each gallon of sewer has an associated cost to process from the source to the treatment plant. If groundwater is contributing to the volume being processed, the cost of sewage rises from the need to treat the non-septic water. Our average annual inflow numbers estimate to between 20% and 30% of our total sewer flow. In an average year, this equates to roughly 100,000,000 gallons of groundwater being treated and costing the city over \$325,000 in treatment. By inspecting and thus lining or replacing the area of infiltration, this cost can be significantly reduced.

The camera system presented in the appendix of this memo is the first step to completing the outlined task above, and for that reason this exact model was budgeted for purchase this fiscal year. The system is being purchased through a cooperative purchasing agreement (HGAC) and will be provided by Texas Underground Inc., a company which we have dealt with in the past. HGAC is a "Government-to-Government" procurement service available nationwide with all contracts having been awarded by virtue of a public competitive procurement process compliant with state statutes. Once purchased, the system will take roughly a month to arrive. At that point, it will be installed in the retired ambulance that was transferred from the Fire Department to Public Works and on the road within the month. All markings denoting an emergency vehicle will be removed from the ambulance.

Staff requests council approve the expenditure of \$56,750 (included in the adopted FY 2020/2021 budget).

APPENDIX A

JET EYE SEWER INSPECTION CAMERA SYSTEM



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