



## CITY COMMISSION ORDINANCE/RESOLUTION

**TITLE:** Resolution 24-41 (Public Utilities)

**DATE:** October 22, 2024

**DESCRIPTION:** A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COOPER CITY, FLORIDA, APPROVING AND AUTHORIZING THE CITY MANAGER TO EXECUTE A GRANT AGREEMENT WITH THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE CITY'S GRAVITY SEWER REHABILITATION PROJECT, PHASE 1, ATTACHED HERETO AS EXHIBIT "A" AND INCORPORATED HEREIN; AUTHORIZING THE CITY MANAGER TO ACCEPT THE GRANT FUNDING AND TAKE ANY AND ALL ACTION NECESSARY TO EFFECTUATE THE INTENT OF THIS RESOLUTION; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

**CITY MANAGER RECOMMENDATION:**

The City Manager recommends that this Resolution be approved to authorize the grant funds' acceptance and execute the grant agreement with the State of Florida Department of Environmental Protection for the Cooper City Gravity Sewer Rehabilitation Project, Phase 1.

**BACKGROUND OF ITEM:**

The State of Florida Legislature annually considers appropriations to fund improvements and capital outlay. The City submitted an appropriations request for consideration of the financing through the Florida Legislature FY24-25 State Appropriations Requests for \$700,000 for the Cooper City Gravity Sewer Rehabilitation Project, Phase 1. The funds for this project are made available through a cost reimbursement grant, which requires executing a grant agreement with the State of Florida Department of Environmental Protection.

**ANALYSIS:**

The Project funded under this Agreement is the Cooper City Gravity Sewer Rehabilitation Project Phase 1. The Project will restore approximately 2.5 miles of existing sanitary sewer lines.

One of the significant components of the City's Water and Sewer Capital Improvement Plan is rehabilitating the sewer collection system. Many sewer pipes are constructed of vitrified clay and have reached the end of their useful lives. As these pipes age, they develop cracks and defects that, left unresolved, lead to increasing groundwater infiltration. Similarly, concrete manholes deteriorate in the aggressive environment found in sewer systems and can leak from the inlet (top), resulting in inflow. Groundwater infiltration increases pumping and treatment costs and

reduces treatment plant capacity. Defects can also lead to surcharging, backups, and overflows that can ultimately result in overflows and notices of violation from regulatory authorities. Trenchless internal lining construction is the least disruptive and cost-effective means of sewer pipe rehabilitation. This procedure involves inserting a structural liner into the old pipe, pressurizing and solidifying it within the host pipe, essentially providing a new pipe inside the old one. The lining has a lifespan comparable to a new pipe constructed by conventional trench excavation. By repairing the weakened sections of the piping, the City anticipates improving wastewater management and groundwater quality.

**STRATEGIC PLAN:**

This project supports the City’s strategic goal number 1 by providing more sustainable infrastructure with technological advancements and innovative processes.

**FISCAL IMPACT:**

Funding for this project is budgeted in the XX for Fiscal Year 2025.

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
TBD by Finance Department	\$700,000	N/A	N/A

**ATTACHMENTS:**

1. Resolution 24-41
2. State of Florida Department of Environmental Protection Grant Agreement
3. Basin 1 Phase 1 Map