



Interoffice Memorandum

October 20, 2022

To: Mayor Jerry L. Demings
-AND-
County Commissioners

~~From:~~ Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager II,
Procurement Division

Contact: Troy Layton, P.E., Manager II, Utilities Field Services Division
407-254-9880

Subject: Ratification of Purchase Order M108857, Emergency Gravity Main
Replacement at Pump Station No. 3423

ACTION REQUESTED:

Ratification of Purchase Order M108857, Emergency Gravity Main Replacement at Pump Station No. 3423, with Carr and Collier, Inc., in the not-to-exceed amount of \$600,000.

PROCUREMENT:

The project provides for the emergency gravity main and pipe replacement at Pump Station No. 3423 (Station A-Sears Plaza).

FUNDING:

Funding is available in account number 4420-038-1347-3843.

APPROVALS:

The Utilities Field Services Division concurs with this recommendation.

REMARKS:

Orange County Utilities (OCU) has a wastewater gravity main that has collapsed at a master pump station. The gravity main is a high flow 30-inch main at the influent of the master pump. Site constraints make it necessary to provide shoring and bypass equipment, making it unfeasible for Orange County to make the repair. The area requires stabilization before the gravity line suffers a catastrophic failure that could cause a blockage of the gravity line to the master pump station or cause the pumps stations to be filled with sand making it unable to pump the sanitary sewer.

The manhole structure and pipe will be replaced at the influent of the pump station. While the gravity pipe is being replaced, bypass piping will be installed upstream to maintain flow to the master pumpstation. The pump station wet well will also need to be cleaned by a specialty contractor due to the full amount of soil displaced into the pump station wet

well because of the gravity pipe failure and disturbance.

The cost of the project includes pipe, trenching and shoring due to the complexities due to the work location, and the possibility of other unknown underground conditions.

Failure was caused by corrosion and additional failures. It was critical to expedite this repair due to the safety issues of the existing failure, possible fines due to sanitary sewer overflow, and risk of damage worsening. Failure to have this work performed immediately would result in safety risk to the public, environment, and additional costs to the County. Therefore, this project was procured via emergency procedures.

The purchase order was issued to Carr and Collier, Inc., a full-service underground contractor that has successfully performed similar projects with OCU. They have experience working with these conditions and performing the necessary bypass piping and complexities due to the work location. Pricing for these services will be based on times and materials, to be negotiated by the County.