



Interoffice Memorandum

August 12, 2021

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

From: 

Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager, Procurement Division

Contact: Troy Layton, Manager, Utilities Field Services Division
407-254-9880

Subject: Ratification of Purchase Order M104945, Emergency Repair for 24-Inch Force Main Failure and 16-Inch Reclaim Main

ACTION REQUESTED:

Ratification of Purchase Order M104945, Emergency Repair for 24-Inch Force Main Failure and 16-Inch Reclaim Main, to Prime Construction Group, Inc., in the not-to-exceed amount of \$1,500,000.

PROCUREMENT:

The purchase order provides for the emergency repair of a 24-inch pressurized force main and 16-inch reclaim main that created a sanitary sewer overflow in the Meadow Woods area.

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 transmission wastewater force main that services the Meadow Woods area that failed. The pipe leaked a significant amount of sewage into the storm drainage system. OCU staff does not have the resources to be able to bypass the pipe in this area to make the necessary improvements. OCU has stabilized the main for a temporary repair to mitigate the sanitary sewer overflow. In addition to the force main, the reclaim main in the area also failed. The reclaim was isolated until the temporary repair was made.

Ratification of Purchase Order M104945, Emergency Repair for 24-Inch Force Main Failure

The force main repair will require multiple line stops due to the amount of flow in the transmission main. The main will be removed and replaced with new 24-inch polyvinyl chloride pipe for 620 linear feet. The reclaim main replacement will consist of 500 linear feet of ductile iron pipe. We are concerned that additional excavation may cause additional failures. The utility corridor includes the two main that failed, as well as a 36-inch distribution main for potable water and a raw water main that provides water from a well to Southern Regional Water Supply.

The cost of the project includes specialized bypass fittings, high density polyethylene bypass piping, and the possibility of other unknown underground conditions. 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 and environment and additional costs to the County. Additionally, Orange County is under consent order to the Florida Division of Environmental Protection for sanitary sewer discharges. Therefore, this project was procured via emergency procedures.

The Purchase Order was issued to Prime Construction Group, Inc., a full-service underground contractor that has successfully performed multiple pipeline repair and replacement projects with OCU. They had the ability to mobilize immediately, familiarity with soliciting custom-made parts that will be required for this work, and has experience working on emergency projects. Pricing for these services will be based on times and materials, to be negotiated by the County.