



CITY OF FORT LAUDERDALE
City Commission Agenda Memo
CONFERENCE MEETING

#20-0873

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Chris Lagerbloom, ICMA-CM, City Manager

DATE: November 5, 2020

TITLE: Emergency Purchase for Repairs Associated with the Sewer Force Main
Breaks in the Rio Vista Neighborhood at Ponce de Leon Drive, Virginia
Young Park, and the Himmarshee Canal - **(Commission District 4)**

The purpose of this memorandum is to advise the City Commission of the total cost of the emergency repair work completed by David Mancini and Sons, Inc. (DMSI), associated with the sewer force main breaks in the Rio Vista Neighborhood at Ponce de Leon Drive, Virginia Young Park, and Himmarshee Canal.

Pursuant to the Code of Ordinances of the City of Fort Lauderdale, Florida, Division 2 – Procurement, Section 2-181(f) (4), the City Manager and/or designee may make or authorize emergency purchases. The amount of \$3,500,000.00 included in the original Purchase Order (PO# PP203374) for the Emergency Repair Work needs to be increased by the amount of \$2,612,592.90 to cover the cost of the second invoice, the cost of the abandonment of the existing 54-inch force main, and contingencies.

On December 10, 2019, a 54-inch diameter ductile iron sewer force main broke near 1030 Ponce De Leon Drive, affecting Hector Park and adjacent properties. The City mobilized DMSI to perform emergency repairs. The work included effluent overflow control by utilizing sewage tanker trucks around the clock. The installation of a 36-inch high-density polyethylene (HDPE) pipe by-pass system was installed around the pipe's damaged section, along with the installation of 54-inch line stops. DMSI completed final repairs on the damaged section of force main near Hector Park on December 20, 2019.

On December 20, 2019, another break occurred in the same 54-inch diameter ductile iron sewer force main, approximately 400 feet north of the original break affecting Virginia Young Park and adjacent properties. The City remobilized DMSI to perform the emergency repairs at this location. The work included effluent overflow control by utilizing sewage tanker trucks around the clock, pumping and extending a 36-inch HDPE by-pass from Hector Park around the damaged section of pipe, and installation of additional 54-inch line stops. The existing 54-inch diameter subaqueous crossing at the Tarpon River was abandoned and filled with grout. DMSI completed final repairs on the damaged

section of the 54-inch diameter subaqueous crossing at the Tarpon River near Virginia Young on December 30, 2019.

On December 21, 2019, a 48-inch diameter subaqueous ductile iron sewer force main broke, affecting the Himmarshee Canal at SE 9th Avenue. The City mobilized DMSI to this location to perform the repair work. The work included industrial divers and the fabrication and installation of a custom-made saddle with a tapping valve around the broken section of pipe. DMSI completed final repairs on the damaged section of the force main on January 6, 2020.

In April 2020, DMSI removed the 36-inch by-pass and line stops. The 36-inch by-pass and line stop had to remain active until the Rio Vista Tarpon River Subaqueous Redundant force main crossing project was completed and put into service. Afterward, the abandonment and grout filling of the existing 54-inch diameter subaqueous crossing at the Tarpon River was completed. This was completed in July 2020 as the last task of the emergency project.

The final invoice for the additional emergency work was received from DMSI on October 13, 2020. Prior receipt of the final invoice, several meetings occurred with the contractor to ensure proper billing and reconciliation of all costs.

Emergency Repairs Costs;

| | |
|--|-----------------------|
| • Invoice #1 (David Mancini & Sons) - | \$3,251,859.85 |
| • Invoice #2 (David Mancini & Sons) - | \$2,624,383.05 |
| • Abandonment of the Existing 54-inch force main - | \$ 136,350.00 |
| • Contingency - | <u>\$ 100,000.00</u> |
| TOTAL DMSI COST - | \$6,112,592.90 |

Resource Impact

There will be a fiscal impact to the City in the amount of \$2,612,592.90 for the additional emergency repair costs. Funds for these repairs in the amount of \$2,612,592.90 are available and have been encumbered in purchase order number PP203374 in the FY2021 Operating Budget in the account(s) listed below. The available balance in the chart reflects the amount remaining in the account after the obligation of the encumbrance established for this purchase is deducted.

| Funds available as of October 15, 2020 | | | | | |
|---|--|---|-----------------------------------|--------------------------------------|-----------------------|
| ACCOUNT NUMBER | INDEX NAME (Program) | CHARACTER CODE/ SUB-OBJECT NAME | AMENDED BUDGET (Character) | AVAILABLE BALANCE (Character) | AMOUNT |
| 451-PBS670503-3437 | Redundant Sewer Forcemain North to George T. Lohmeyer Wastewater Treatment Plant | Services/Materials / Improvements Repairs & Maintenance | \$7,828,794 | \$3,346,763 | \$2,612,592.90 |
| Total | | | | | \$2,612,592.90 |

Strategic Connections

This item is a *2020 Top Commission Priority*, Infrastructure initiative.

This item supports the *Press Play Fort Lauderdale 2024* Strategic Plan, specifically advancing:

- Infrastructure Focus Area
- Goal 1: Build a sustainable and resilient community.
- Objective: Proactively maintain our water, wastewater, stormwater, road, and bridge infrastructure.

This item advances the *Fast Forward Fort Lauderdale 2035* Vision Plan: We Are Ready.

Prepared by: Axel Rivera, Project Manager II, Public Works
Scott Teschky, Senior Project Manager, Public Works

Department Director: Raj Verma, Public Works