



**CITY OF FORT LAUDERDALE
City Commission Agenda Memo
CONFERENCE MEETING**

#15-1415

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

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: November 17, 2015

TITLE: Emergency Purchases - Sewer Force Main Failures at 1700 East Las Olas
Boulevard - \$205,330 and at 150 Southwest 2nd Street - \$213,606

Background

Pursuant to Section 2-190(b)(2), Code of Ordinances of the City of Fort Lauderdale, Florida, emergency purchases are permitted in the event of equipment failure, catastrophic damage to city property, or other similar unexpected event. In such event(s), all normal purchasing procedures and requirements directly related to such emergencies are suspended. With the approval of the City Manager, or purchasing manager, if so designated by the City Manager, the head of any department may purchase any required emergency supplies, materials, equipment or services. If the cost of any purchase exceeds the current formal bid threshold, a full report of such purchase shall be made to the City Commission at the earliest available Commission Meeting.

The purpose of this memorandum is to advise the City Commission of two Emergency Declarations made in September and October 2015. The first emergency declaration was made on September 28, 2015 for repairs on the 12" sewer force main at 1700 East Las Olas Boulevard and the second on October 24, 2015 for repairs on the 12-inch diameter sewer force main at pump station A-7, 150 Southwest 2nd Street.

1700 East Las Olas Boulevard

A 12-inch cast iron sewer force main broke at 1700 East Las Olas Boulevard on September 27, 2015. As a result, sewage flowed into the Rio Navarro Canal. The spill was immediately stopped by isolating the area, closing an isolation valve on SE 17th Avenue, and by shutting down pump station D-37, as well as all 26 small tributary pump stations that feed D-37. The sewer main break also resulted in a cavity under the western approach slab of the bridge at this location.

Due to the combination of the isolation of the failed pipe, the lack of any available redundant sewer infrastructure, and the necessity to continue providing essential services to our neighbors, the Utility Operations staff proceeded with pumping all 26 pump stations. It proved to be a challenging task as the pipe failure coincided with a record King Tide event that brought an additional 18 inches of tide above predicted

levels, resulting in increased street flooding in Las Olas Isles with significant inflow and infiltration.

As a result of the location and depth of the force main, the required repairs to the pipe, the bridge approach, and pumping logistics were treated as emergency purchases and staff engaged several emergency contractors to perform the required repairs. It was extremely important to protect the integrity of the bridge approach and quickly restore essential services. The following emergency contractors and service providers were engaged:

- Utility emergency repairs contractor (Molloy Bros. Inc.) - \$100,935
- Emergency pumping services (All Liquid Environmental Services LLC d/b/a Johnson Environmental Services) - \$87,685
- Emergency pumping services (A&A Drainage and VAC Services, Inc.) - \$16,710

150 Southwest 2nd Street

On October 24, 2015, a 12-inch diameter cast iron sewer force main Y-fitting suffered a localized corrosion failure at 150 Southwest 2nd Street. As a result, sewage flowed onto 2nd street and a nearby storm drain which had a direct outfall to the New River waterway. The spill was stopped by isolating the force main with two isolation valves on Southwest 2nd Street and by shutting down pump station A-7.

Due to the isolation of the failed pipe, the lack of any available redundant sewer infrastructure, and the necessity to continue providing essential services to our neighbors, Utility Operations staff proceeded with pumping sewage from several manholes in the A-7 sewer basin and transferring the volume to the A-8 basin. In addition, a by-pass pump was set up on Southeast 4th Street to transfer sewage from the A-7 basin to the A-8 basin. The A-7 sewer basin contains approximately 70,000 feet of gravity sewer lines. These actions were required to prevent multiple sanitary sewer overflows in the A-7 basin area.

Because of the location, soil conditions, depth of the force main, required repairs to the pipe, and pumping logistics, staff engaged several emergency contractors to perform the required repairs and to maintain essential services.

The following emergency contractors and service providers were engaged:

- Utility emergency repairs contractor (Molloy Bros. Inc.) - \$51,925.50
- Emergency pumping services (All Liquid Environmental Services LLC d/b/a Johnson Environmental Services) - \$95,132.50
- Emergency pumping services (A&A Drainage and VAC Services, Inc.) - \$50,872.50
- Water Damage Clean LLC (WDC) - \$15,675.00

Resource Impact

There is a total fiscal impact in the amount of \$205,330 for emergency repairs related to 1700 E Las Olas Boulevard and \$213,605.50 for emergency repairs related to 150 Southwest 2nd Street, for a total of \$418,935.50.

<i>Funds available as of November 6, 2015</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	PURCHASE AMOUNT
450-PBS060101-3437	Utilities Engineering Operations	Services & Materials / Improvements, Repairs & Maintenance	\$2,444,924	\$1,504,255	\$418,936
			TOTAL →		\$418,936

Strategic Connections

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included in the Infrastructure Cylinder or Excellence, specifically advancing:

- **Goal 2:** Be a sustainable and resilient community.
- **Objective 1:** Proactively maintain our water, wastewater, and bridge infrastructure.
- **Initiative 5:** Integrate a plan with infrastructure improvements that include modern and efficient energy standards.

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

Attachments

Exhibit 1 – Cost of repairs, 1700 East Las Olas Boulevard

Exhibit 2 – Cost of repairs, 150 SW 2nd Street

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