



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

#16-0521

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

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

DATE: May 3, 2016

TITLE: Emergency Purchases – Hydrogen Peroxide Leak Repair – Molloy Bros.
Inc. and HD Supply Waterworks - \$150,000

Background

The purpose of this memorandum is to advise the City Commission of an emergency declaration made on April 8, 2016. The emergency declaration was necessary to repair hydrogen peroxide injection points on the 48-inch and 54-inch diameter sewer force mains located at 1100 Southeast 17 Street, Fort Lauderdale, FL 33316.

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. The head of any department, with approval by the City Manager, may purchase any needed emergency supplies, materials, equipment or services. Purchases should be made using the most effective procurement methods as determined by the department head responsible for the emergency purchase. 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.

1100 Southeast 17th Street Causeway

Hydrogen peroxide is injected into the flows coming into the George T Lohmeyer (GTL) Wastewater Plant as part of the treatment process to mitigate odor. On March 21, 2016, a hydrogen peroxide injection point on a 48-inch diameter sewer force main failed. Severe corrosion on a bronze fitting caused a hazardous chemical spill of 50% concentrated hydrogen peroxide. This resulted in a Hazardous Material (HAZMAT) response that caused evacuation of a nearby restaurant.

Following the chemical spill cleanup, the corroded fitting was replaced with a new fitting. This new fitting could not be securely inserted due to severe corrosion on the threaded saddle encircling the 48-inch diameter pipe. The insecure connection creates a risk of future failure which could result in a sanitary sewer overflow.

As a result of this incident, the plant operation is unable to inject hydrogen peroxide at

this location, resulting in an increase in odors to the surrounding neighborhood. City staff inspected the secondary injection point on the 54-inch diameter force main and determined it was constructed in the same manner with similar materials, resulting in a similar high risk of failure.

Due to the size of the force mains, the proximity to major commercial establishments, and complexity of the work to be performed; the Public Works Department determined that it was in the best interest of the City to engage an emergency contractor to perform the permanent repairs at the leak site and replace the injection components on the redundant site. Initial estimates received from Molloy Bros., Inc. for construction of the repairs and HD Supply Waterworks for parts and supplies, total approximately \$150,000.

Resource Impact

There will be an estimated fiscal impact to the City in the amount of \$150,000.

<i>Funds available as of April 20, 2016</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 and Maintenance	\$2,489,848	\$456,570	\$150,000
			TOTAL →		\$150,000

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 – Estimated Cost of Repairs, Molloy Bros. Inc.

Exhibit 2 – Estimated Cost of Parts and Supplies, HD Supply Waterworks

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Department Directors: Paul Berg, Public Works
Kirk Buffington, Finance