



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

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

**DATE:** April 15, 2014

**TITLE:** Motion to approve the purchase of high priority repairs on a leak occurring in a 42-inch Prestressed Concrete Cylinder Water-Main Pipe with Molloy Bros Inc., in the estimated amount of \$84,345.33 plus \$14,338.67 for estimated administration and engineering fees

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**Recommendation**

It is recommended that the City Commission approve the purchase of high priority repairs to address a leak in a 42-inch Prestressed Concrete Cylinder Pipe (PCCP) transmission water-main located at the intersection of Northeast 38<sup>th</sup> Street and Northeast 11<sup>th</sup> Avenue, in the city of Oakland Park (Oakland Park) (Leak location map attached in Exhibit 1) in the estimated amount of \$84,345.33 plus \$14,338.67 for estimated administration and engineering fees under the Annual Utilities Restoration Contract with Molly Bros. Inc..

**Background**

In early February 2014, a water-main leak at the intersection of Northeast 38<sup>th</sup> Street/Northeast 11<sup>th</sup> Avenue was identified by Oakland Park workers, as originating from an area where the City of Fort Lauderdale (City) had previously abandoned a 48-inch PCCP pipeline. This leak is occurring in a 42-inch PCCP pipeline that is still in service where the 48-inch PCCP pipeline was connected. A large constant puddle has accumulated in the street in front of a resident's parking lot, and flows across to an empty lot (attached photos in Exhibit 2).

The Annual Utilities Restoration Contract with Molloy Bros., Inc., provides the City with the ability to complete utility system repairs that are beyond the capability or capacity of City crews and equipment. The contract was renewed by the City Commission (CAM #13-0722) on August 20<sup>th</sup>, 2013, in the not to exceed amount of \$749,830.00. Note, the contract sum is not a guarantee of the amount of work that will be issued.

The repair of this leak has become a high priority item for the following reasons:

- This is a large transmission water main which provides water for Oakland Park, Wilton Manors, and the northeastern part of the City.

- Until repaired, the condition of the pipe will continue to worsen.
- Oakland Park has a nearby storm water project on Northeast 38<sup>th</sup> Street, west of Northeast 11<sup>th</sup> Avenue, and would like the City to undertake the repairs to be out of the construction zone by the time their project begins at the location.

The work includes dewatering and excavation, a significant effort to demolish a thrust block arrangement comprised of several yards of hardened concrete and two steel I-beams, demolishing an existing abandoned PCCP fitting and welded metal plug, installation of a new metal blind flange on an existing 42-inch plug valve, and reconstruction of a new thrust block arrangement comprised of several yards of new concrete, as well as two new I-beams and roadway restoration and pavement striping.

The contractor’s cost estimate is based on unit pricing from the competitively bid Annual Utilities Repair Contract, and staff has found the estimate to be reasonable based on the required effort. The work is estimated to take two (2) to three (3) weeks. See attached cost estimate summary as Exhibit 3.

**Resource Impact**

There will be a fiscal impact to the City in the estimated amount of \$84,345.33 for the work order and \$14,338.67 for estimated engineering fees, for a total amount of \$98,684.

<i>Funds available as of April 8, 2014</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	OBJECT CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Object Code)	AVAILABLE BALANCE (Object Code)	PURCHASE AMOUNT
450-PBS060101-3437	UTILITIES ENGINEERING OPERATIONS	SERVICES-MATERIALS/ IMPROVEMENTS, REPAIRS & MAINTENANCE	\$1,591,086	\$751,046	\$98,684
<b>PURCHASE TOTAL →</b>					<b>\$98,684</b>

**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 – Leak Location Map  
 Exhibit 2 – Field photos  
 Exhibit 3 – Molloy Bros Inc., cost estimate

Exhibit 4 - Item 21 Schedule of Values

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