



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

**#16-0487**

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

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

**DATE:** May 17, 2016

**TITLE:** Motion to Authorize Professional Engineering Services for Pump Stations  
D-10 and D-11 Flow Analysis and Redesign - Tetra Tech, Inc. - \$163,699  
Task Order No. 4

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**Recommendation**

It is recommended that the City Commission approve Task Order No. 4 (Exhibit 1) with Tetra Tech, Inc. for professional engineering services in the amount of \$163,699. The purpose of this task order is to analyze the wastewater flows for pump stations D-10 and D-11, provide recommendations for improvements, obtain permits, and prepare construction documents to implement the proposed improvements.

**Background**

The City owns and operates the pump stations on Isle of Venice (Station D-10) and Hendricks Isle (Station D-11). These pump stations have been experiencing unusually high pump run times due to increased density development on these islands. High pump run times could cause the service life of the pumps to decrease, which will eventually lead to the pump station to being out of service. Additionally, high pump run times for a pump station is an indicator that the station is at, or exceeding, its designed capacity. This project involves the analysis of the existing wastewater flows for pump stations D-10 and D-11, and impacts to the system. Furthermore, this project includes design work necessary to address any concerns and required improvements that result from the wastewater flow analysis. The task order allows for survey, evaluation and design to be completed by May 12, 2017, bid support from May 15, 2017 to July 14, 2017; and construction support from July 17, 2017 – December 29, 2017.

This task order is being entered into pursuant to the Continuing Contract for Civil Engineering Consultant Services Agreement (Contract #626-10881) with Tetra Tech, Inc. in accordance with the terms of the amended master agreement dated November 6, 2012 (CAR#12-2299), and renewed on October 20, 2015 (CAM #15-1220).

**Resource Impact**

There will be a fiscal impact to the City in the amount of \$163,699 for this task order, and \$24,555 for in-house project management fees for a total of \$188,254.

Funds available as of April 11, 2016					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
454-P12202.454-6534	Pump Stations D-10 and D-11 Flow Analysis & Redesign	Capital Outlay/ Consultant Engineering	\$500,000	\$499,708	\$188,254
TOTAL →					\$188,254

### **Strategic Connections**

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

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Proactively maintain our water, wastewater, road, and bridge infrastructure.

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

### **Attachments**

Exhibit 1 – Task Order No. 4

Exhibit 2 – Project Area Map

Exhibit 3 – Sub-Consultant Authorization Letter

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Prepared by: Jorge Holguin, Senior Project Manager  
Alan Dodd, Assistant Public Works Director

Department Director: Paul Berg, Acting Public Works Director