




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

**#16-0408**

4-19-16  
PUR-4  
REVISED  
CAM

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

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

**DATE:** April 19, 2015

**TITLE:** **REVISED PUR-4:** Motion to Award Contract for Stormwater Master Plan  
Modeling and Design Implementation – Hazen and Sawyer, P.C. -  
\$7,578,756

**Recommendation**

It is recommended that the City Commission award a contract for a stormwater master plan modeling and design implementation with Hazen and Sawyer, P.C., in substantially the form attached, at a cost of \$7,578,756. This amount is for an initial five-year term and will follow the normal task order approval process. The contract provides for two five-year renewal options contingent upon City Commission approval and appropriation of funds. ~~Staff also requests authorization for the City Manager to approve two five-year renewal options contingent upon appropriation of funds.~~

**Background**

On February 16, 2016 the City Commission approved the final ranking and commencement of contract negotiations for the stormwater master plan modeling and design implementation contract with the top ranked proposer, Hazen and Sawyer, P.C. (Commission Agenda Memorandum #16-0181). Negotiations have been completed and staff recommends award to Hazen and Sawyer, P.C. at the hourly rates identified in Exhibit B of the agreement (Exhibit 1).

The agreement may be used to complete citywide stormwater modeling, utility data collection, asset management implementation, watershed planning, master planning, program management, stormwater and associated design, planning, construction services, and community relations services to efficiently and cost-effectively complete utility improvements in locations as identified in the Community Investment Plan (CIP) and the table below. The agreement also provides for rate studies and modeling of project alternatives based on community planning metrics.

As part of this contract, Hazen and Sawyer, P.C. will provide the following services:

- Data collection of stormwater infrastructure attributes needed to populate and complete an existing geographic information system database, as well as modification of the existing database schema and assistance with migration of data to the updated database.

- Develop and implement a hydraulic/hydrological stormwater model of the entire City. The model shall consist of a comprehensive basin-by-basin analysis of the existing and proposed stormwater systems allowing comparison of reactions to different boundary conditions including future projected climatological conditions. Based on the model results, develop a master plan update consisting of individual neighborhood improvement projects, specifically in the areas found most susceptible to chronic flooding.
- Provide coordination with regulatory agencies related to the approach, methods, and results associated with stormwater model in order to facilitate permitting of neighborhood improvement projects associated with the program and obtain approval of the model for regulatory purposes.
- Update and/or develop standard details and specifications for use in both capital improvement projects associated with the program, as well as future projects.
- Assist the City in researching, identifying, and prioritizing funding options/opportunities and preparation of grant applications for activities/projects associated with the program.
- Prepare an overall program management plan and administer that plan.

The agreement shall be for a period of five years with two optional five-year renewals. The scope of work performed under the agreement will address the following Phase II CIP projects:

<b>Project #</b>	<b>Project Name</b>
11842	Edgewood Stormwater Preliminary Data and Report
12118	Survey for Citywide Stormwater Model
12082	Victoria Park Neighborhood Improvements
11843	Progresso Stormwater Improvements
12074	Southeast Isles Tidal and Stormwater Improvements
11844	Durrs Area Stormwater Improvements
11845	Dorsey Riverbend Stormwater Improvements
11869	Citywide Stormwater Analysis-Model Calibration
12190	Stormwater Asset Management System
11419	River Oaks Neighborhood Drainage Study
11868	River Oaks Stormwater Analysis
12191	Drainage Canal Surveying and Assessment

#### **Resource Impact**

### **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, bridge, and facilities infrastructure.
  - Objective 2: Reduce flooding and adapt to sea level rise.
  - Objective 3: Improve climate change resiliency by incorporating local, regional and mega-regional plans

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

- Goal 5: Be a community of strong, beautiful, and healthy neighborhoods.
  - Objective 2: Enhance the beauty, aesthetics, and environmental quality of neighborhoods.
- Goal 6: Be an inclusive community made up of distinct, complementary, and diverse neighborhoods.
  - Objective 1: Evolve and update the land development code to balance neighborhood quality, character and livability through sustainable development.

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

### **Attachments**

Exhibit 1 – Agreement

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Prepared by: Elkin Diaz, Public Works  
James Hemphill, Finance  
Linda Blanco, Finance

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

There will be an estimated fiscal impact to the City in the amount \$7,578,756 for the contract award. Task orders will be authorized by the City Manager from budgeted projects identified in the Community Investment Plan.

<b>Funds available as of April 5, 2016</b>					
<b>ACCOUNT NUMBER</b>	<b>INDEX NAME (Program)</b>	<b>CHARACTER CODE/ SUB-OBJECT NAME</b>	<b>AMENDED BUDGET (Character)</b>	<b>AVAILABLE BALANCE (Character)</b>	<b>AMOUNT</b>
470-P11842.470-6534	Edgewood Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$1,900,000	\$1,879,436	\$1,879,436
470-P11868.470-6534	River Oaks Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$960,000	\$550,173	\$550,173
470-P12082.470-6534	Victoria Park Tidal and Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$890,000	\$890,000	\$890,000
470-P11843.470-6534	Progresso Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$680,000	\$663,339	\$663,339
470-P11844.470-6534	Durrs Area Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$535,000	\$529,207	\$529,207
470-P11845.470-6534	Dorsey Riverbend Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$535,000	\$527,443	\$527,443
470-P12074.470-6534	Southeast Isles Tidal and Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$658,400	\$658,297	\$658,297
470-P12118.470-6534	Survey for Citywide Stormwater Model	Capital Outlay/ Consultant Engineering	\$550,000	\$529,474	\$529,474
470-P11869.470-6534	Citywide Stormwater Analysis	Capital Outlay/ Consultant Engineering	\$900,160	\$877,847	\$877,847
470-P12190.470-6534	Stormwater Asset Management	Capital Outlay/ Consultant Engineering	\$200,000	\$200,000	\$150,000
470-P12191.470-6534	Drainage Canal Surveying and Assessment	Capital Outlay/ Consultant Engineering	\$289,000	\$289,000	\$289,000
470-P12026.470-6534	2100 SE 18th Street Stormwater Improvements	Capital Outlay/ Consultant Engineering	\$100,000	\$34,540	\$34,540
<b>TOTAL →</b>					<b>\$7,578,756</b>