



CITY OF FORT LAUDERDALE
City Commission Agenda Memo
CONFERENCE MEETING

17-1461

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

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

DATE: December 19, 2017

TITLE: Phase II Stormwater Master Plan Modeling and Design Implementation
Presentation

On April 19, 2016, the City Commission awarded the Phase II Stormwater Master Plan Modeling and Design Implementation Contract to Hazen and Sawyer, P.C. The program scope included citywide stormwater modeling and infrastructure data collection, watershed planning, stormwater and associated system design, Engineer of Record (EOR) design services, and community outreach to efficiently and cost-effectively address flooding issues in locations for which projects were previously identified in the Community Investment Plan (CIP).

The presentation will highlight the milestones that will be accomplished by December 30, 2017 as part of the Phase II Stormwater Master Plan Modeling and Design Implementation Program and identify future actions needed to successfully implement the necessary infrastructure improvements.

Since the official program kickoff on May 16, 2016, the consultant work has included the following actions:

- Topographical mapping of the entire City using high density LiDAR technology, combined with traditional field surveying techniques for data collection of below-ground stormwater infrastructure;
- Development and implementation of a stormwater model with a comprehensive basin-by-basin analysis to identify and analyze flood prone areas throughout the City;
- Implementation of a citywide community outreach program consisting of in-person meetings/presentations to homeowner associations and other civic groups in seven (7) flood prone priority neighborhoods (Edgewood, River Oaks, Dorsey Riverbend, Durrs, Progresso Village, Victoria Park, and South East Isles), in order to ensure that the stormwater improvements are developed and fully coordinated with neighbor involvement;

- Development of comprehensive engineering solutions, with complete design plans and specifications, for the seven (7) priority neighborhoods identified as flood prone using updated stormwater details; and
- Development of probable cost estimates to be used for funding and budgeting purposes.

By end of December 2017, the consultant will have substantially completed engineering designs and associated cost estimates for neighborhood-wide projects to resolve chronic flooding issues in the most severely impacted neighborhoods in Fort Lauderdale. This will serve as the basis to substantiate funding requirements for construction of comprehensive stormwater improvements which will minimize flooding incidents and promote an adaptable and resilient coastal community for the future.

Resource Impact

There is no fiscal impact associated with this action.

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*.

Attachment

Exhibit 1 – Presentation

Prepared by: Rares Petrica, Public Works

Department Directors: Paul Berg, Public Works