

**DEP AGREEMENT NO. R1917
CHANGE ORDER NO. 002**

GRANTEE

City of Oakland Park
3650 NE 12th Avenue
Oakland Park, FL 33334

DEP Agreement No. **R1917** as entered into on the 13th day of August 2019, and as amended, is hereby revised as follows:

1. **Attachment 3, Grant Work Plan, Project Timeline** is hereby deleted in its entirety and replaced with the following, due to the Corona Virus Outbreak:

PROJECT TIMELINE

Task No.	Task Title	Deliverable Due Date	Funding Amount
1	City Wide Flood Vulnerability Assessment	5/30/2020	\$45,000*
2	Adaptation Strategies	06/30/2020	\$20,000
3	Comprehensive Plan Amendment Development	06/30/2020	\$5,000
Total			\$70,000

*Funding amount has been decreased by 5%/day, for 2 days, due to the date change being requested on 1/3/2030, after the original due date of 12/31/19.

All other terms and conditions of the Agreement shall remain unchanged.

CITY OF OAKLAND PARK

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Heidi Brocks

Heidi Brocks, Grantee Grant Manager

Date: 3/30/20

Whitney Gray, DEP Grant Manager

Date: _____

DEP AGREEMENT NO. R1917
CHANGE ORDER NO. # 1

GRANTEE

City of Oakland Park
3650 NE 12th Avenue
Oakland Park, FL 33334

DEP Agreement No. R1917 as entered into on the 13th day of August 2019, is hereby revised as follows:

1. **Attachment 3, Grant Work Plan, Project Timeline** is hereby deleted in its entirety and replaced with the following:

Total Project Timeline:

Task No.	Task Title	Deliverable Due Date	Funding Amount
1	City Wide Flood Vulnerability Assessment	4/30/2020	\$45,000*
2	Adaptation Strategies	06/01/2020	\$20,000
3	Comprehensive Plan Amendment Development	06/01/2020	\$5,000
Total			\$70,000

*Funding amount has been decreased by 5%/day, for 2 days, due to the date change being requested on 1/3/2030, after the original due date of 12/31/19.

All other terms and conditions of the Agreement shall remain unchanged.

The parties agree to the terms and conditions of this Change Order and have duly authorized their respective representatives to sign it on the dates indicated below.

CITY OF OAKLAND PARK

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Heidi Brocks, Grantee Grant Manager


Whitney Gray, DEP Grant Manager

Date: 1/6/20

Date: _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
GRANT WORK PLAN
DEP AGREEMENT NO.: R1917

ATTACHMENT 3

Project Title: Flood Vulnerability Assessment

Grantee Contact Information:

Organization Name: City of Oakland Park
Authorized Signer for the Organization: David Hebert
Title: City Manager
Address: 3650 NE 12th Avenue
City: Oakland Park
Zip Code: 33334
Area Code and Telephone Number: 954-630-4200
E-mail Address: davidh@oaklandparkfl.gov

Grant Manager Contact Information:

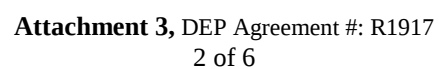
Organization Name: City of Oakland Park
Title: Heidi Brocks, Management Analyst
Address: 3650 NE 12th Avenue
City: Oakland Park
Zip Code: 33334
Area Code and Telephone Number: 954-630-4205
E-mail Address: heidi.brocks@oaklandparkfl.gov

Fiscal Agent Contact Information:

Organization Name: City of Oakland Park
Title: Andrew Thompson, Finance Director
Address: 3650 NE 12th Avenue
City: Oakland Park
Zip Code: 33334
Area Code and Telephone Number: 954-630-4200
E-mail Address: andrewt@oaklandparkfl.gov

FEID No.: 59-6000391

DUNS No.: 076043538



WORK PLAN

1. **Project Summary:** The City will complete an FVA and develop implementation strategies and potential updates to the Comprehensive Plan.

2. **Project Description:**

The City of Oakland Park is one of the older municipalities in Broward County, Florida. It was originally chartered as the Town of Floranada in December 1925. Today Oakland Park is a little over 8 square miles, and approximately 44,000 residents call Oakland Park home. It has a notable recreation program, its own excellent library, expansive parks, and much, much more.

The City has invested significantly in its underground utility infrastructure since the early 2000's. This included additional stormwater infrastructure such as:

- Swale reconstruction to increase natural percolation
- Underground exfiltration systems to get stormwater off the surface and allow for absorption into the sandy soils of South Florida
- Controlled discharge to surface receiving waters to minimize flooding to adjacent properties and buildings.
- Installation of a major stormwater gate and pump station to make our resident more resilient to and mitigate the effects of rising tides and increased storm intensity.

With this major investment strategies coming to an end, the City is planning on updating its Stormwater Master Plan. As part of this process a Flood Vulnerability Assessment along with implementation strategies will be completed. The estimated cost of the proposed RPG project is \$75,000. The City will be responsible for any additional costs required.

3. **Project Need and Benefit:**

The City of Oakland Park is situated in eastern coastal Broward County and is intersected by a series of canals and lakes draining into Middle River Canal (C-13 Canal) eventually flowing into the Intracoastal Waterway. Nearly 90% of the City is in an AH or AE zone Special Flood Hazard Area (SFHA). This means that if you live or own a business in Oakland Park you are in or adjacent to an SFHA and are at risk for flooding. Buildings in an SFHA have a 26% chance of being flooded during a 30-year mortgage. Inland flooding occurs when rain from hurricanes overflows rivers, streams and canals such as the North Fork of the Middle River. Property owners in Oakland Park filed claims in 1979, 1986 and 1999 (with both Hurricanes Floyd and Irene) when heavy rainfall caused severe flooding, and again in 2003, 2004 and 2005 (with Jeanne, Francis, and Wilma) and during many heavy rain events. Flood damage caused millions of dollars in damage and disrupted many of the normal functions of the community.

During recent years the City has begun shifting its focus to the potential impacts of tidal flooding through rising sea levels. The need is evident to assess the problem and work with experts and the community in developing implementation strategies to effectively combat the problem. The completion of the proposed project will provide immediate benefits for stormwater planning, implementation and increase the awareness of the community to the impacts of sea level rise. The long-term benefits will be the most impactful as new ideas and strategies are not only implemented but incorporated into planning documents such as the Comprehensive Plan. The City's overall goal of the project is to increase awareness of the situation and institute a change in perception and behavior of both residents and businesses in the community.

The project will further the RPG goal/priority #1. All the tasks proposed will lead to the City gaining compliance with 2015 "Peril of Flood" requirements of Sec. 163.3178(2)(f) F.S. The tasks

and deliverables have been developed to meet the recommended process for gaining this compliance.

To complete the project in a timely manner the City will utilize its existing procurement guidelines to select a consultant(s). Through a competitive and public RFP process the City will select and engage an experienced contractor with the qualifications to best meet the needs of the community. The City is prepared to initiate this process and commits to having the project completed well in advance of the June 19, 2020 date.

4. **Budget Summary:** Allowable budget categories and costs for this project are listed in the table below.

FIXED PRICE	Grant Amount Awarded
AGREEMENT TOTAL	\$75,000

5. **Project Timeline:** All tasks are to be completed and submitted no later than the Deliverable due date listed in the table below. Request for any change must be submitted prior to the current deliverable due date listed in the project timeline. Request are to be sent via separate email to the Department's Grant Manager, with the details of the request being made and the reason for the request.

PROJECT TIMELINE			
Task No.	Task Title	Deliverable Due Date	Funding Amount
1	City Wide Flood Vulnerability Assessment	12/31/2019	\$50,000
2	Adaptation Strategies	04/30/2020	\$20,000
3	Comprehensive Plan Amendment Development	04/30/2020	\$5,000
Total			\$75,000

6. **Performance Measure:** The Department's Grant Manager will review the deliverables to verify that they meet the specifications in the Grant Work Plan and this task description, to include any work being performed by any sub-contractor(s). Upon review and written acceptance by the Department's Grant Manager of all deliverables under this task, the Grantee may proceed with payment request submittal. All deliverable documents must be provided in an electronic downloadable format.
7. **Consequences for Non-Performance:** The Department will reduce each Task Funding Amount by 5% for every day that the Deliverable(s) is not received on the specified due date in the most recent Project Timeline, for the Agreement. Should a Change Order or Amendment be requested on the date of or after the most current Deliverable Due Date, the 5% reduction of that Task Funding Amount will be imposed until the date of the requested change is received, via email by the Department.
8. **Payment Request Schedule:** Grantee may submit a request for the Task Funding Amount to be paid using the Exhibit C, after all Deliverables for that Task have been approved by the Department. Request(s) for payment must include the Exhibit A showing 100% completion of that Task and must be submitted within 45 days of the Deliverable Due Date.

Or

Grantee may submit one request for the Grant Amount Awarded, by using the Exhibit C, after the project is 100% completed. The request for the Grant Amount Awarded, must include an Exhibit A showing 100% completion for all Tasks, and must be submitted within 45 days of the Deliverable Due Date.

TASKS & DELIVERABLES

Task # 1

A. Title: City Wide Flood Vulnerability Assessment

B. Description: Floods are anticipated to occur more frequently in the future do to climate change including sea level rise, rising water table, higher storm surge elevations and decreased ability to percolate and discharge stormwater. Higher seawalls, new stormwater pump stations and larger outfalls will be required to hold back the rising tides and quickly discharge excess stormwater. The goal of the Flood Vulnerability Assessment is to identify strategic improvements necessary to reduce flooding, mitigate for flooding and increase the City's resilience to climate change. To complete this initial assessment the following tasks will be performed:

- 1) Data Collection and Review
Compile information to identify social, economic and physical composition of the City and its historic flooding areas. Identify the anticipated storm surge projected elevations as well as the projected average water table elevation.
- 2) Flood Risk Modeling
Utilizing LIDAR and Geospatial modeling capabilities to analyze current and future flooding due to tidal variations, sea level rise, groundwater conditions and storm surge through the next 25 years.
- 3) Flood Vulnerability Assessment Final Report
Assess the projected levels of flooding and the vulnerability of critical facilities, civic facilities, commercial and residential properties.

C. Deliverable: All work products associated with the developing the report including mapping, data, charts, public input, meeting agendas, minutes, and sign-in sheets. Approved Final Report in both hard and PDF copies.

Task # 2

A. Title: Adaption Strategies

B. Description: Managing flood levels while providing safety and wellbeing of people as well as safeguarding the environment. Adopt effective measures to reduce vulnerability and increase resilience to flooding. The tasks to identify Adoptions Strategies will be:

- 1) Identify Strategic Improvements
Review and identify strategies such as:
 - a) Mitigate risk by flood planning, flood preparedness and planned recovery plan adoption;
 - b) Planning – Flood and stormwater planning consisting of specific capital improvement projects as well as basic policy review and revisions.
 - c) Preparedness – Flood preparedness to identify of clear coordination and understanding of responsibilities, material and equipment supply needs, community awareness of safe havens, as well as how to react/respond.
 - d) Recovery – Plan for recovery that includes rescue and relief, damage restoration, recovery, and reestablishment of services.

- 2) Community Engagement - Engage and educate our community work force as well as the general public on how to prepare for floods, what to expect during and after floods, and how to best respond.
 - 3) Adaption Strategies Final Report -Final report will outline clear direction to improve resilience and minimize vulnerability to the impacts of sea level rise and climate change. This report will encourage community involvement and interagency dependence to positively face and embrace the anticipated environmental change.
- C. Deliverable:** All work products associated with the developing the report and strategies including mapping, data, charts, public input, meeting agendas, minutes, and sign-in sheets. Approved Final Report in both hard and PDF copies.

Task # 3

A. Title: Comprehensive Plan Amendment Development

B. Description: After completing the FVA and developing implementation strategies the City will use the information from the first two tasks to complete draft updates to the objectives in the Coastal Management Element. The City will use the services of a planning firm licensed in the State of Florida to assist its staff with preparing the updates to the Comprehensive Plan.

In addition to incorporating the findings and recommendations, the effort will address Chapter 2015-69, Laws of Florida, amending Section 163.3178(2)(f), Florida Statutes, Coastal Management, to provide required updates concerning coastal flooding and the related impacts of sea level rise. The updates will include at least 4 examples of strategies, principles, and related engineering solutions that reduce flood risk in coastal areas, and a minimum of 4 site development techniques that may reduce losses to the local government and property owners due to coastal flooding.

The completion of this task will be accomplished using the City's established guidelines for updates to the Comprehensive Plan and in coordination with the planning staff at DEO.

C. Deliverable: Hard and PDF copies of proposed comprehensive plan amendments to the Coastal Management Element including strike through text.