



Town of Jupiter
NFIP Number: 125119
Progress Report on Implementation of Credited Flood Mitigation Plan
2021

Date this Report was Prepared: April 26, 2021

Name of Community: Town of Jupiter, Florida

Name of Plan: Palm Beach County Unified Local Mitigation Strategy (LMS)

Date of Adoption of Plan: November 19, 2019

5 Year CRS Expiration Date: October 1, 2025

1. How can a copy of the original plan be obtained?

The 2020 LMS is posted on the Palm Beach County website at:
<http://discover.pbcgov.org/publicsafety/dem/Pages/Publications.aspx>

2. Describe how this evaluation report was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

This report was prepared by the Town of Jupiter's CRS Coordinator and Utility Services Manager, David Rotar. The status of all mitigation projects and success stories are reported and discussed at LMS General Meetings and through periodic briefings to the LMS Steering Committee. All general meetings are publicized through media releases and posted announcements.

The status of the Town of Jupiter's flood mitigation projects and general Capital Investment Projects are discussed in the Town's budget meeting hearings which are publicly held.

This report has been provided to the Town Council via a memo. This report has been released to the local media.

This annual progress report can be accessed by going to the Town's website, jupiter.fl.us and looking under Departments for the Water and Stormwater Department / Stormwater Information.



3. Provide a description of the implementation of each recommendation or action item in the action plan, including a statement on how the project was implemented or not implemented during the previous year:

There are 85 projects on the on the Palm Beach County LMS Project Prioritized List (PPL) dated November 10, 2020. The Town of Jupiter has two ranked projects on the list:

Rank	Project Description	Cost (\$)
39	Town Hall Impact Retrofit	\$2,933,000.00
48	Water Treatment Plant Hardened Training Facility and Server Room	\$815,994.00

The Town Hall Impact Retrofit project was removed from the LMS PPL since consideration is being given for the construction of a new Town Hall building.

The Water Treatment Plant Hardened Training Facility and Server Room remains on the list since the project has been approved in the Community Improvement Program for Fiscal Year 20-21.

The Town of Jupiter can submit new projects at any time, following a submittal process. New projects are considered and scored twice a year during the scheduled project evaluation dates in May and November of every year.

4. Discuss why any objectives were not reached or why implementation is behind schedule:
Not applicable.

5. What are the recommendations for new projects or revised recommendations?

- **Clemons and Saturn Street Drainage Improvements (\$1809)**

Project Status: Completed 11/06/2020

Project Value: \$857,000

Description: Construction of stormwater and gravity sanitary infrastructure improvements on Clemons and Saturn Street in Jupiter Inlet Village. Improvements will include construction of a drainage system to meet acceptable levels of service and provide enhanced water quality treatment of stormwater runoff. A grant from the Loxahatchee River Preservation Initiative (LRPI) will assist with funding stormwater improvements. The Loxahatchee River District will fund sanitary improvements.

- **Water Treatment Plant Emergency Stormwater Pump Station Electrical Improvements (W1913)**

Project Status: Completed

Project Value: \$ 150,000



Description: The water treatment plant's emergency stormwater pump station is a 12,000-gallon structure equipped with three 2,000 gallons per minute (gpm) submersible pumps. Currently these pumps operate on electrical switch gear which does not allow for speed control. As a result, the pumps cycle on and off frequently causing excessive wear and tear on the pumps and switchgear. This project will replace existing switchgear with variable frequency drives (VFDs) to enable pump speeds to be managed and the station to be operated efficiently.

- **Juno Street Pump Station/Seminole Ave. Drainage Basin Improvements (\$1606)**

Project Status: In Design

Project Value: \$3,670,465

Description: The Seminole Avenue Stormwater (SW) Basin existing in an older section of the Town, is currently served by the Seminole Avenue SW pump station and detention area, located on the north side of Center Street, which discharges to the Loxahatchee River. Limitations in the capacity of the conveyance system across Center Street to the pump station often times results in significant flooding in the area. In addition, modeling of the watershed indicates that minimal water quality treatment is provided in the system and therefore limits the permissible discharge rate to the River. Chronic flooding problems north and south of Center Street, and on Center Street will be alleviated by construction of an additional pump station, south of Center Street in the Old Dixie Highway right of way south of Juno Street, with an outfall to the FEC Canal. The Juno Street SW pump station will provide water quality benefits by reducing the loading and increasing retention time in the existing treatment pond at Seminole P.S. and provide added water quality treatment through the new hydrodynamic separators installed at the Juno Street pump station.

- **Evernia Street Alley Drainage (\$2014)**

Project Status: Completed 9/01/2020

Project Budget: \$169,400

Description: The alleys between Evernia Street, Fern Street, N. Orange Avenue and Old Dixie Highway are unimproved Town owned rights of way with a tendency for flooding. To alleviate problematic flooding and enhance water quality of stormwater runoff from this commercial/industrial area, this project proposes to install drainage infrastructure consisting of approximately 60' of 15" diameter reinforced concrete pipe (RCP), 160' of 18" exfiltration trench, three new drainage structures, two connections to an existing privately owned exfiltration trench system, new asphalt pavement in the alley. Stormwater runoff from this area discharges directly to the Loxahatchee River through the Seminole Avenue pump station.



- **Pine Gardens North Infrastructure Improvements (W/S 2012)**

Project Status: In design

Project Budget: \$2,041,199

Description: Replacement of poorly operating valves and hydrants and additional valves. Drainage improvements are needed to reduce the tendency for flooding and to reduce the burden placed on the Seminole Avenue pump station during large rainfall events. Best management practices for enhanced water quality treatment to reduce sediment laden runoff to the Loxahatchee River and the Intracoastal Waterway will be implemented.

- **Pine Gardens North Alley Improvements**

Project Status: Complete, other alleys being monitored

Project Budget: \$30,938

Project Description: Clear, grade and remove encroachments in the alleys that run north to south in the Pine Gardens North area. The intent is to help drainage from the backyards of the properties adjacent to the alleys. Two alleys have been done. The first being the alley that is bordered by Hugh Street, Willet Avenue, Edmund Street and N. Loxahatchee Drive. The second alley is bordered by Hugh Street, Pinegrove Avenue, Edmund Street and N. Loxahatchee Drive. The other alleys are being monitored for any drainage issues and will be addressed as needed.

Information Contact:

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