

**CRS Activity 510
Annual Progress Report on Implementation of Credited Plan**

Which Plan is this for (use separate templates for each credited Plan):

- Floodplain Management Plan (Hazard Mitigation Plan)**
- Repetitive Loss Area Analysis**
- Floodplain Species Plan**
- Substantial Damage Plan**

Name of Community: **City of Sebastian**

Date this Annual Progress Report was prepared (not the date of adoption of the credited Plan): **April 7, 2022**

Name of Plan: **Floodplain Management Plan**

Date of Adoption of Plan: **March 3, 2020**

5 Year CRS Expiration Date: **August 13, 2025**

1. How can a copy of the credited Plan be obtained:

The plan can be obtained by visiting the City of Sebastian Website:
<https://www.cityofsebastian.org/254/Flooding-Hurricane-Preparedness>

2. Describe how ***this annual progress report*** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

This annual progress report was prepared by the City CRS Coordinator and Certified Floodplain Manager. Upon reviewing the plan and projects planned in the previous year, we have updated this information and uploaded the plan to the City's "Flooding and Hurricane Preparedness" page where the Flood Plain Management Plan is also located.

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

See attached "Project Prioritization List"

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

The projects listed in the plan are ongoing and on schedule.

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

The City will continue with ongoing efforts and will take advantage of funding opportunities as they are made available. The City will also continue to pursue its projects, specifically flood hazard mitigation improvements such as drainage improvements, replacement of all ditch culverts that intersect streets, Concha Dam replacement, etc. Also, staff is currently revising Land Development Codes in accordance with the recently approved Comprehensive Plan Update which includes sections of the code pertaining to stormwater systems and floodplain management.

**Indian River County
Local Mitigation Strategy
Project Prioritization List
General Project List 2021**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion & Est. Federal Share	Applicant/ Responsible Party	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
1	94	Replace and upgrade roof of the Vero Beach Police Department building.	\$450,000 12 months \$337,500	City of Vero Beach Richard Mutterback	The police department serves as the city's EOC and the existing roof is approximately 30 years old and does not meet current wind load standards.	Hurricane/Tropical Storm	City of Vero Beach	HMGP, CDBG, Pre-disaster Mitigation Program	Confirmed 11/16/2021 (Richard Mutterback)
2	93	Retrofits to the county's public schools that serve as public shelters.	\$75,000 <12 months \$56,250	Indian River County Emergency Management Tad Stone	Reduces vulnerability to wind and flood damage and provides for critically needed shelter (primary critical facilities) and reducing the county's safe shelter space deficit.	Hurricane and Tropical Storm	All Jurisdictions	Coastal Construction Building Zone Program; CDBG; DRI; HMGP; Hurricane Program; NFMF	Confirmed 3/10/2021 Tad Stone
3	93	Fellsmere Culvert Replacement	\$630,000 6 months \$47,250	City of Fellsmere Mark Mathis	Replacement of all existing culverts along New York/97th Street with RCP at proper intervals to reduce head loss to Park Lateral.	Hurricane and Tropical Storm	Multiple	CDBG, HMGP, DRI, USDA, EDA	Confirmed 3/10/2021 Mark Mathis
4	91	Blue Cypress Park access repair	\$80,000 48 months \$80,000	Indian River County Parks Division Kevin Kirwin	Provide access to the park, raise roadbed, replace failing culvert, flood mitigation.	Tropical Storm/Hurricane, Flood	All Jurisdictions	HMGP, FWC/DEP, SJRWMD	Confirmed 11/12/2021 (Kevin Kirwin)
5	86	Rebuild non-wind code compliant Fire Rescue Stations.	\$4 million 18 months \$3,000,000	Indian River County Emergency Services Joseph Johnson	This will allow these critical facilities to withstand major hurricane impact, and support the personnel on an extended basis with power water and sewer facilities. These projects will benefit all citizens and visitors of Indian River County as well as the surrounding counties we assist through mutual aid by providing uninterrupted Fire Rescue and EMS service during and after a major disaster event.	Hurricane, Tropical Storm and Flood	All Jurisdictions	HMGP	Confirmed HMGP 3/10/2021 Tad Stone

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6	85	Conservation Area Prescribed Burn	\$255,000 12-36 months \$191,250	Indian River County Community Development Phil Matson	Purchase of equipment contract work to treat areas vulnerable to wildfire, especially conservation areas with added material from Hurricane Matthew through mechanical means and prescribed burns.	Wildfire	All jurisdictions	HMGP	Confirmed 10/12/2021 (Andy Sobczak/ Beth Powell)
7	84	Historic Fellsmere Flood Study	\$50,000 12 months \$37,500	City of Fellsmere Mark Mathis	An accurate flood map will mitigate against future floods by ensuring homes will be properly elevated.	Flood	City of Fellsmere	HMGP	
8	83	Generator project for Sebastian Adult Day Care Center.	\$100,000 <12 months \$75,000	Senior Resource Association, Karen Deigl IRCES, Tad Stone	Generator upgrade for the Sebastian Adult Day Care Center to increase the shelter capacity for a step-down shelter for Special Needs Shelter clients.	Hurricane/Tropical Storm	All Jurisdictions	HMGP	Confirmed 10/22/2021 (Karen Diegl)
9	83	Elkcam Canal dredging and seawalls	\$6 million >12 months \$6,000,000	City of Sebastian Paul Carlisle	Reduces the exposure of possible flooding and property damage to residential homes, businesses, and city owned facilities.	Flooding and erosion	City of Sebastian	HMGP, FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed 11/12/2021 (Lisa Frazier)
10	81	Retrofits to the North County Library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months	Indian River County Public Works Rich Szpyrka	Reduces vulnerability of a public building and contents (library) to flooding damage.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	All Jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DR; FMAP; HMGP ; Hurricane Program; NFMF	Confirmed 11/30/2021 Rich Szpyrka
11	81	Retrofits to the county's main library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months \$209,339	Indian River County Public Works Rich Szpyrka	Reduces vulnerability of a public building and contents (library) to flooding damage.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	All Jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DR; FMAP; HMGP ; Hurricane Program; NFMF	Completed 6/2020 11/30/2021 Rich Szpyrka
12	80	Indian Lane drainage canal	\$933,400 >12 months	Indian River Shores Jim Harpring	Dredging the Indian Lane storm water drainage canal to improve holding capacity and provide better flow from the storm water drainage system	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	Town of Indian River Shores	Flood Plain Management Services, HMGP, FMA, State Preparedness Grant	
13	80	Barber Street bridge replacement	\$4.5 million >12 months \$1,875,000	City of Sebastian Paul Carlisle	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and I-95.	Hurricane/tropical storm, erosion, and flooding	City of Sebastian	CDBG, HMGP, EDA	Confirmed 11/12/2021 (Lisa Frazier)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

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**Indian River County
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14	80	George Street canal dredging and seawalls	\$6 million >12 months \$6,000,000	City of Sebastian Paul Carlisle	Reduces the exposure of flooding and property damage to residential homes, businesses, and city owned facilities.	Hurricane/tropical storm, flooding, and erosion	City of Sebastian	HMGP, FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed 11/12/2021 (Lisa Frazier)
15	79	Retrofits to the City of Vero Beach Public Works facility including roof replacement and hardening of building.	\$2 million >12 months \$1,500,000	City of Vero Beach Richard Mutterback	Reduces the vulnerability to category 4 or 5 hurricanes for two critical facilities.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	City of Vero Beach	HMGP, CDBG, EMP&A Trust Fund (DCA), Pre-disaster Mitigation Program (FEMA), Hurricane Program (FEMA)	Confirmed 11/17/2021 Richard Mutterback
16	79	Fleming Street bridge replacement	\$4 million >12 months \$1,500,000	City of Sebastian Paul Carlisle	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and I-95.	Hurricane/tropical storm, flooding, and erosion	City of Sebastian	CDBG, HMGP, EDA	Confirmed 11/12/2021 (Lisa Frazier)
17	79	Replacement of county bridges constructed below the 100-year flood plain for improved access, evacuation and exposure to flooding.	\$10 million >12 months \$7,500,000	Indian River County Public Works Department Rich Szpyrka	Reduces the risk of fatalities (loss of life) during evacuation.	Flooding	All Jurisdictions	CDBG; DRI; Emergency Relief Program; FMAP; HMGP; Hurricane Program; NFMF; STP	Ongoing Confirmed 11/30/2021 Rich Szpyrka
18	78	Install flood control structures Vero Isles.	\$60,000 12 months \$45,000	City of Vero Beach Don Dexter	Installation will help to minimize tidal flooding of the homes and businesses from the Indian River Lagoon to 8th Avenue in the Miracle Mile and Royal Palm Point shopping areas.	Flooding, hurricane/tropical storm, tsunami	City of Vero Beach	HMGP, FDEP	Confirmed HMGP 11/17/2021 Richard Mutterback
19	78	Hibiscus Children's Center	\$575,000 <12 months \$431,250	Hibiscus Children's Center/IRCEM	Fortification of group home for 40 at-risk teenagers to allow shelter-in-place. Harden roofs and install generators.	Tropical Storm/Hurricane, Flood	Vero Beach	HMGP	
20	75	Protection of the Surficial Aquifer groundwater quality and quantity as a secondary potable water source through acquisition of primary recharge areas and through the plugging of abandoned artesian wells.	\$2 million >12 months \$1,500,000	Indian River County Community Development Phil Matson	Reduces the exposure to potential wellfield contamination.	Drought	All Jurisdictions	Capitalization Grants for Drinking Water State Revolving Fund; Conservation Technical Assistance; DRI; HMGP; Planning Assistance to States Program; Water Pollution Control: State and Interstate Program Support; Water Quality Program Management	Confirmed 10/12/2021 (Andy Sobczak)
21	77	Laconia Avenue extension	\$6 million >12 months \$5,000,000.00	City of Sebastian Paul Carlisle	This project will provide a major emergency evacuation route. that will include a new bridge over the St. Sebastian River. It will provide a much-needed major escape route not directly impacted by the Florida East Coast Railway.	Flooding	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed 11/12/2021 (Lisa Frazier)

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22	74	Culvert/Pipe for Stonecrop Main ditch alignment	\$1.2 Million <12 months \$800,000	City of Sebastian Paul Carlisle	Ensures circulation of storm water system and reduces possible flooding and property damage.	Hurricane/tropical storms, flooding, erosion	Sebastian	HMGP, FMA, SJRWMD, FPMS	Confirmed 11/12/2021 (Lisa Frazier)
23	74	Relocation of City of Vero Beach wastewater treatment plant.	\$25,000,000 36 months \$18,750,000	City of Vero Beach Rob Bolton	Relocate WWTP located next to the I.R. Lagoon to City owned property located near the WTP at the Vero Beach Airport.	Hurricane/tropical storms, tsunami	City of Vero Beach	HMGP, FMA, EPA	Confirmed 11/17/2021 Richard Mutterback
24	72	Construction of seawall/revetment along Humiston Beach in the City of Vero Beach.	\$600,000 >12 months \$450,000	City of Vero Beach Don Dexter	Residents and business owners will benefit from continued and uninterrupted access to the beach facilities and associated parking.	Flood and erosion	Vero Beach	HMGP	Confirmed 11/17/2021 Richard Mutterback
25	71	Construction of tilting Weir gates across two canals that connect Rockridge subdivision with the lagoon.	\$6.5 million >12 months \$4,875,000	Indian River County Public Works Rich Szpyrka	Will prevent flooding in the subdivision during hurricane events. Ongoing and currently evaluating.	Flood	Unincorporated Indian River County		Confirmed 11/30/2021 Rich Szpyrka
26	67	Study of sea level rise potential impacts to public facilities.	\$100,000 >12 months \$75,000	Indian River County Community Development Phil Matson	This project will provide information for long range planning of new public facilities and retrofit of existing facilities.	Flooding	Unincorporated Indian River County	HMGP, PDM, EMPA	Confirmed 10/12/2021 (Andy Sobczak)
27	66	Acquisition of land along the Indian River Lagoon within the Coastal High Hazard Area to reduce potential future losses.	Phase I - \$2 million Phase II - \$7 million >12 months Phase I - \$1,500,000 Phase II - \$5,250,000	Indian River County Community Development Phil Matson	Will reduce county exposure by preventing development in a high hazard area.	Hurricane, Tropical Storm, Flood and coastal erosion	Indian River County and City of Vero Beach	Coastal Wetlands Planning, Protection, and Restoration Act; CDBG; DRI; HMGP; NFMF; North American Wetlands Conservation Act Grant Program; Outdoor Recreation: Acquisition, Development, and Planning	Confirmed 10/12/2021 (Andy Sobczak)
28	64	Culvert replacement for ditch/street crossings	\$1 million >12 months \$750,000	City of Sebastian Paul Carlisle	Replace all ditch culverts that intersect streets to promote better drainage.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed 11/12/2021 (Lisa Frazier)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

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29	61	Jones' Pier floodproofing/elevation	\$800,000 <12 months \$600,000	Indian River County Community Development	Elevating historic structures to above base flood elevation (BFE); storm shutters; drainage improvements	Flooding, Hurricane/tropical storm	All Jurisdictions	HMGP, DHR	Confirmed 10/12/2021 (Andy Sobczak)
30	59	Restoration of critically eroded areas along an 8.3-mile stretch of the Atlantic shoreline in an effort to provide needed storm protection.	\$18 million initial/ \$48 million long-term >12 months \$13,500,000/ \$50,000,000	Indian River County Public Works Department Rich Szpyrka	Reduces storm surge and flooding vulnerability. Under Sector 3,5,7	Flood	City of Vero Beach	CDBG; Conservation Plant Material Centers, Conservation Technical Assistance; DRI; FMAP; HMGP; Hurricane Program; Land Protection, Planning Assistance to States Program	Confirmed 11/30/2021 Rich Szpyrka
31	55	Historic Fellsmere Regional Lakes	\$2,000,000 12 months \$1,500,000	City of Fellsmere Mark Mathis	Will mitigate against future floods by storing flood waters within large regional lakes thereby reducing the flood level in the basins served by the deterioration lakes.	Flood	City of Fellsmere	HMGP	
32	48	Historic Fellsmere Alleyway Grading	\$1,400,000 12 months \$1,050,000	City of Fellsmere Mark Mathis	Will mitigate against future floods by storing flood waters in the alleyways thereby reducing the flood level in the basins served by the alleyway flood storage system.	Flood	City of Fellsmere	HMGP	
33	48	Historic Fellsmere Stormwater Greenway	\$1,800,000 12 months \$1,350,000	City of Fellsmere Mark Mathis	Will mitigate against future floods by storing flood waters in the stormwater greenway thereby reducing the flood level in the basins served by the stormwater greenway.	Flood	City of Fellsmere	HMGP	

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Project Priority	Project Score	Project Description	Estimated Project Cost &						
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		Project Description	<i>Estimated Time of Completion & Est. Federal Share</i>	Applicant/ Responsible Party	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
34		Concha Dam Replacement	\$4 million >12 months \$300,000	City of Sebastian Paul Carlisle	Concha Dam closed to end of life. Propose placement of new wall upstream to prevent catastrophic failure.	Flood	City of Sebastian	HMGP	Added 11/12/2021 Lisa Frazier

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Updated November 30, 2021

RESOLUTION R - 2 0 - 0 5

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SEBASTIAN, INDIAN RIVER COUNTY, FLORIDA, ADOPTING THE REVISED INDIAN RIVER COUNTY UNIFIED LOCAL MITIGATION STRATEGY OF 2020; PROVIDING FOR REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; SEVERABILITY; SCRIVENER'S ERRORS; AND AN EFFECTIVE DATE.

WHEREAS, the Federal Emergency Management Agency ("FEMA") requires that all hazard mitigation plans must be reviewed and updated as appropriate, and resubmitted to FEMA for approval within five (5) years; and

WHEREAS, the Florida Division of Emergency Management has found the revised Indian River County Unified Local Mitigation Strategy of 2020 to be compliant with the federal mitigation planning standards, subject to formal community adoption; and

WHEREAS, on March 3, 2020, the Board of County Commissioners of Indian River County, Florida adopted the revised Indian River County Unified Local Mitigation Strategy of 2020; and

WHEREAS, the City of Sebastian desires to adopt the revised Indian River County Unified Local Mitigation Strategy of 2020, which is deemed in the best interests of the public health, safety and welfare of the citizens of the City of Sebastian.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SEBASTIAN, INDIAN RIVER COUNTY, FLORIDA, AS FOLLOWS:

SECTION 1. RECITALS. The foregoing recitals are true and correct and are hereby incorporated herein by this reference.

SECTION 2. ADOPTION OF THE REVISED INDIAN RIVER COUNTY UNIFIED LOCAL MITIGATION STRATEGY OF 2020. The City Council of the City of Sebastian, hereby approves and adopts the revised Indian River County Unified Local Mitigation Strategy of 2020 as the official document for inclusion in the statewide Hazard Mitigation Strategy.

SECTION 3. REPEAL OF PRIOR INCONSISTENT RESOLUTIONS. All prior inconsistent resolutions adopted by the City Council are hereby expressly repealed to the extent of the conflict.

SECTION 4. SEVERABILITY. If any section, clause, phrase, word, or provision of this Resolution is for any reason held invalid or unconstitutional by a court of competent jurisdiction, whether for substantive or procedural reasons, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of this Resolution.

SECTION 5. SCRIVENER'S ERRORS. Sections of this resolution may be renumbered or re-lettered and corrections of typographical errors which do not affect the intent may be authorized by the City Manager, or the City Manager's designee, without need of further action of the City Council by filing a corrected copy of same with the City Clerk.

City of Sebastian

The foregoing Resolution was moved for adoption by Councilmember Gilliams. The motion was seconded by Councilmember Mauti and upon being put to a vote, the vote was as follows:

	For	Against
Mayor Ed Dodd	X	_____
Vice-Mayor Charles Mauti	X	_____
Councilmember Damien Gilliams	X	_____
Councilmember Jim Hill	X	_____
Councilmember Pamela Parris	X	_____

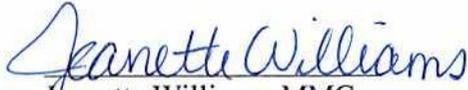
The Mayor thereupon declared this Resolution duly passed and adopted this ~~20th~~ ^{14th} day of ~~April~~ ^{May} 2020.

CITY OF SEBASTIAN, FLORIDA

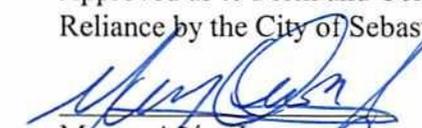
By: 
Mayor Ed Dodd



ATTEST:


Jeanette Williams, MMC
City Clerk

Approved as to Form and Content for
Reliance by the City of Sebastian Only:


Manny Anón, Jr.
City Attorney