

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): **March 15, 2024**

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

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	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 3/10/21 (Tad Stone)
2	93	Fellsmere Culvert Replacement	\$850,000 >12 months \$47,250	City of Fellsmere City Manager Mark Mathes	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 3/10/21 (Mark Mathes)
3	91	Blue Cypress Park access repair	\$100,000 48 months \$75,000	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 3/26/21 (Kevin Kirwin)
4	87	IRC EOC Expansion	\$12,000,000 >30 Months \$9,000,000	IRC Public Works/Engineering Rich Szyrka	Expansion of the current single-story Emergency Operations Center (EOC) was constructed in 2005-2007. We will be expanding the EOC to two-story (10,000 SF per floor) to the north side of the existing EOC. The expansion is necessary to facilitate the growth of the Emergency Management Services	Hurricane and Tropical Storm Events	IRC	FDEP, FDOT, FDEM, Legislative Appropriation - FEMA Federal Funds	Confirmed 8/25/22 (Rich Szyrka)
5	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 HMGP 3/29/21 (Beth Powell)
6	85	Portable Generator Cables	\$168,422.73 4 months \$126,317.04	Indian River County Utilities Department Sean Liekse	Provide additional emergency power sources for sewage lift stations during manmade or natural disasters	Hurricane and Tropical Storm Events	Indian River County	HMGP & Other FEMA Grant Opportunities	Confirmed 4/11/2023 (Duke Hawkins)

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*Indicates jurisdiction interest in this project

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7	83	Eikcam Canal dredging and seawalls	\$4 million >12 months \$3,000,000	City of Sebastian City Manager Paul Carlisle	Reduces the exposure of possible flooding and property damage to residential homes, businesses, and city owned facilities.	Flooding	City of Sebastian	HMGP, FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed 3/22/21 (Ken Griffin)
8	80	Indian Lane drainage canal	\$933,400 >12 months	Indian River Shores City Manager Joe Griffin	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	Confirmed 3/19/21 (Joe Griffin)
9	80	Barber Street bridge replacement	\$2.5 million >12 months \$1,875,000	City of Sebastian City Manager Paul Carlisle	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and 1-95.	Hurricane/tropical storm, and flooding	City of Sebastian	CDBG, HMGP, EDA	Confirmed HMGP 3/22/21 (Ken Griffin)
10	80	George Street canal dredging and seawalls	\$4 million >12 months \$3,000,000	City of Sebastian City Manager Paul Carlisle	Reduces the exposure of flooding and property damage to residential homes, businesses, and city owned facilities.	Hurricane/tropical storm, and flooding	City of Sebastian	HMGP, FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed HMGP 3/22/21 (Ken Griffin)
11	79	IRC Courthouse Shutter Retrofit	\$550,000 >3 months \$385,000	IRC Public Works/Engineering Rich Szyrka	The IRC Courthouse was built in 1994. This project retrofit the building, which will mitigate all hazards.	Hurricane/Tropical Storm/Social Protest	IRC	HMGP, HLMP	Confirmed 11/17/22 (Rich Szyrka)
12	79	Fleming Street bridge replacement	\$2 million >12 months \$1,500,000	City of Sebastian City Manager Paul Carlisle	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and 1-95.	Hurricane/tropical storm, flooding, and erosion	City of Sebastian	CDBG, HMGP, EDA	Confirmed 3/23/21 (Richard Mutterback)
13	78	Fellsmere City Hall Back-Up Generator	\$300,000 >12 months \$225,000	City of Fellsmere Public Works Director Andy Shelton	Provides back-up power at City Hall, which is a critical need facility. Increases Fellsmere's ability to continuously operate.	All hazards where power may be lost for a significant time period	City of Fellsmere	HMPG	Confirmed 12/13/21 (Andy Shelton)
14	78	Install flood control structures Vero Isles.	\$60,000 12 months \$45,000	City of Vero Beach Public Works Department Richard Mutterback	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	Flooding, hurricane/tropical storm	City of Vero Beach	HMGP, FDEP	Confirmed HMGP 3/23/21 (Richard Mutterback)
15	77	Laconia Avenue extension	\$5 million >12 months \$3,750,000	City of Sebastian City Manager 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.	erosion	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed 3/22/21 (Ken Griffin)

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16	74	Culvert/Pipe for Stonecrop Main ditch alignment	\$500,000 <12 months \$375,000	City of Sebastian City Manager Paul Carlisle	Ensures circulation of storm water system and reduces possible flooding and property damage.	Hurricane/tropical storms, and flooding	Sebastian	HMGF, FMA, SURWMD, FMMS	Confirmed HMGP 3/22/21 (Ken Griffin)
17	74	Relocation of City of Vero Beach wastewater treatment plant.	\$25,000,000 36 months \$18,750,000	City of Vero Beach Utilities Rob Bolton	Relocate WWTP located next to the LR Lagoon to City owned property located near the WTP at the Vero Beach Airport.	Hurricane/tropical storms	City of Vero Beach	HMGF, FMA, EPA	Confirmed 3/23/21 (Richard Mutterback)
18	72	Construction of seawall/revestment along Hamilton Beach in the City of Vero Beach.	\$600,000 >12 months \$450,000	City of Vero Beach Public Works Richard Mutterback	Residents and business owners will benefit from continued and uninterrupted access to the beach facilities and associated parking.	Flood and erosion	Vero Beach	HMGF	Confir med 3/23 /21
19	72	City Hall Storm Hardening	\$700,000 12-18 Months \$525,000	City of Vero Beach Public Works Richard Mutterback	Replace all windows, window curtain walls and doors with code compliant impact rated windows and doors	Hurricane and Tropical Storm	City of Vero Beach	HMGF	Confir med 4/11 /22
20	69	IRC Administrative Complex Generators	\$1,500,000 >12 months \$1,125,000	IRC Public Works/Engineering Rich Szpyrka	Equip three IRC critical Administrative buildings (A, B, and Health Department) with generators, which will provide back-up power.	Hurricanes and other power outage events	IRC	HMGF	Confirmed 11/17/22 (Rich Szpyrka)
21	68	Oakmont Park Flood Protection	\$3,000,000 12-18 Months \$2,250,000	City of Vero Beach Public Works Richard Mutterback	Install pump station and flood protection improvements for 21 Acre residential subdivision with 78 homes with repetitive flooding.	Flooding	City of Vero Beach	HMGF	Confir med 4 /11
22	64	Culvert replacement for ditch/street crossings	\$1 million >12 months \$750,000	City of Sebastian City Manager Paul Carlisle	Replace all ditch culverts that intersect streets to promote better drainage.	Flood	Sebastian	CDRG, Emergency Relief, FMAP, HMGF	Confirmed HMGP 3/22/21 (Ken Griffin)
23	64	Construction of seawall along Conn Beach in the City of Vero Beach.	\$1.7 million >12 months \$1,275,000	City of Vero Beach Public Works Richard Mutterback	This project will provide coastal erosion control, prevent damage to Ocean Drive and the Boardwalk which sustained approximately \$1 million in damages from Hurricanes Flames and Jeanne	Hurricane/Tropical Storm, flood and coastal erosion	Vero Beach	HMGF	Confir med 3/23/ 21 (Rich and Mutt
24	63	Rivera and Gardenia Drainage Improvement	\$711,457 >12 months \$117,865	City of Sebastian Public Works Director Karen Miller	This project will provide and mitigate flooding in a residential area within the city of Sebastian.	Hurricane/Tropical Storm, flood and all other flood events	Sebastian	HMPG	Confir med 12/1 3/21 (Kar en Mille
25	61	Fellsmere Road Paving Project	\$3,000,000 <18 Months \$2,250,000	City of Fellsmere Public Works Director Andy Shelton	Pave remainder of dirt roads in the City, re-grade damaged swales and replace damaged road culverts	Flooding and Erosion	Fellsmere	HMGF and other FEMA Grant opportunities	Confir med 08/2 5/22 (And y Shelt
26	60	Stonecrop Drainage Upstream Improvements	\$1,875,000 38 Months \$1,406,250	City of Sebastian Public Works Director Karen Miller	Armoring the banks of the Stonecrop ditch and replacing and updating the culverts to minimize restrictions of water flow into the ditch as well as the treatment area.	Flooding	Sebastian	HMGF	Confir med 4/11/ 2023 (Kar en Mille
27	60	Indian River Drive Retaining Wall and Sidewalk	\$200,000 12 Months \$150,000	City of Sebastian Public Works Director Karen Miller	Removal and replacement of existing sidewalk and retaining wall. Location has eroded from storm surges within the lagoon and past heavy rains causing the retaining wall and sidewalk to be destabilized and lean into the lagoon.	Erosion	Sebastian	HMGF	Confir med 4/11/ 2023 (Kar en Mille
28	59	Historic Fellsmere Regional Lakes	\$2,000,000 24 months \$1,500,000	City of Fellsmere City Manager Mark Mathes	Will mitigate against future floods by storing flood waters within large regional lakes thereby reducing the flood level in the basins served by the detention lakes	Flood	City of Fellsmere	HMGF	Confirmed 3/10/21 (Mark Mathes)
29	48	Historic Fellsmere Alleyway Grading	\$1,400,000 24 months \$1,050,000	City of Fellsmere City Manager Mark Mathes	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 basin	Flood	City of Fellsmere	HMGF	Confirmed 3/10/21 (Mark Mathes)

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30	48	Historic Fellsmere Stormwater Greenway	\$1,800,000 24 months \$1,350,000	City of Fellsmere City Manager Mark Mathes	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	Confirmed 3/10/21 (Mark Mathes)
31	47	Schumann Drive Box Culvert	\$750,000 12 months \$562,500	City of Sebastian Public Works Director Karen Miller	Installation of box culvert at a single location of a single culvert pipe connecting 2 canal ways.	Flood	City of Sebastian	HMGP	Confirmed 12/13/21 (Karen Miller)

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