



CITY OF

ST AUGUSTINE
EST. 1565

City Commission

Public Works & Utilities

Capital Improvements Plan (CIP)

August 9, 2021

Todd J. Grant, P.G.

Director, Utilities

Reuben C. Franklin, Jr., P.E.

Director, Public Works





Public Works & Utilities CIP Agenda

Key Updates

- 13 Lift Station Rebuilds (FEMA)
- Resilience Program
- West Augustine Sewer Improvements
- Upcoming FY2022 CIP Plans & Projects

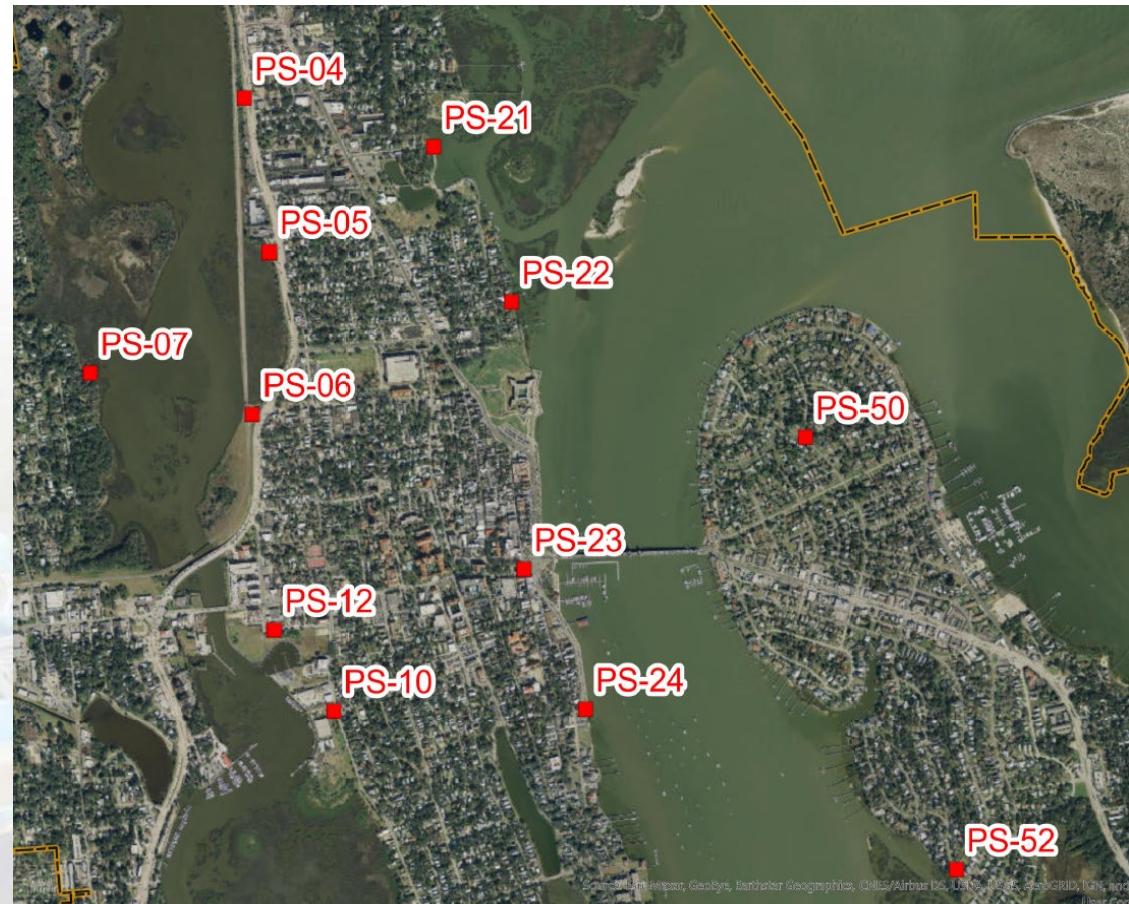
Overview

- CIP Overall Status Summary



FEMA 13 LIFT STATIONS REHABILITATION

- ❖ Construction Cost \$13.8M
- ❖ Start Construction
 - ❖ January 2021
- ❖ Est. Finish Construction
 - ❖ February 2023
- ❖ LS-23 Substantially Complete
- ❖ LS-5, 21, 22, 23, 24 under construction
- ❖ Arricola Ave. Force Main
 - ❖ April – August 2022

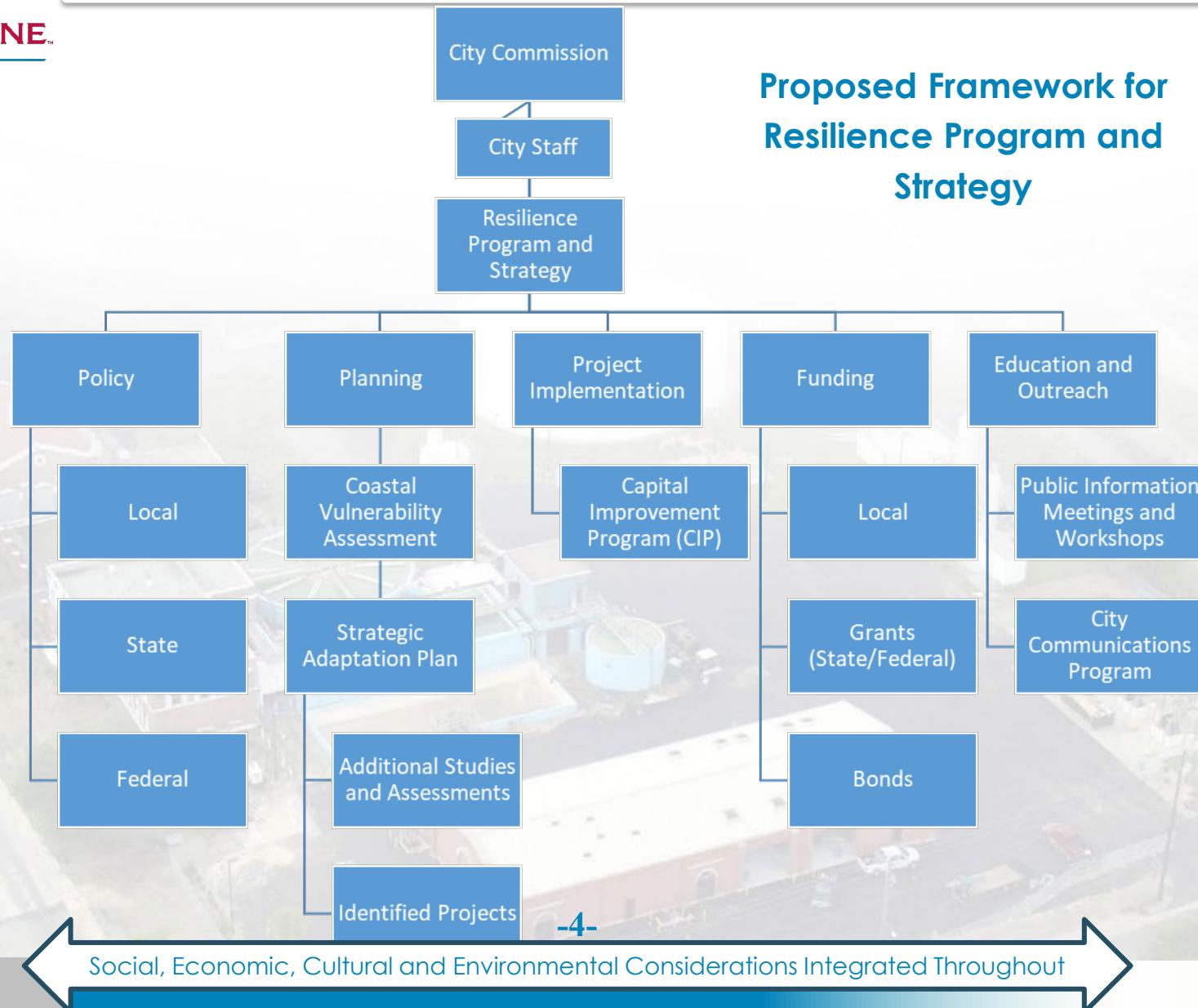




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Resilience Program Updates





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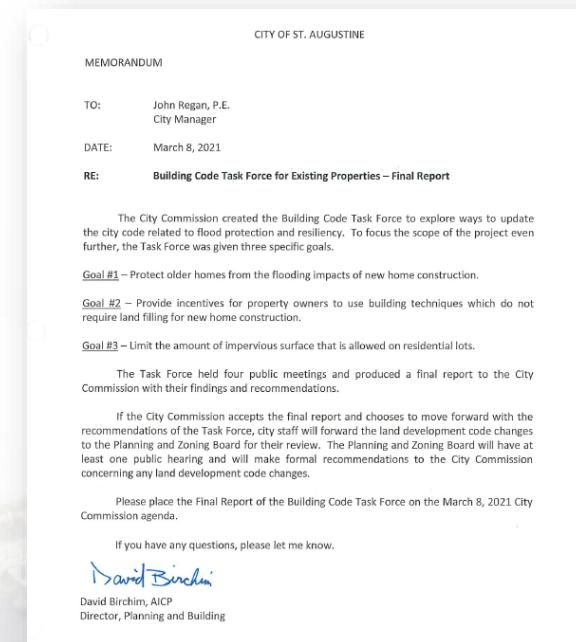
❖ Policy

- ✓ Building Code Task Force
Recommendations went to Commission and is currently before the Planning and Zoning Board
- ✓ Monitoring State legislative session related to Resiliency bills

❖ Planning

- ✓ UF Septic Tank Sea Level Rise Study - Completed
- ✓ Final report for the South Davis Shores Resiliency Master Plan
- ✓ Looking ahead for Phase 2 of the South Davis Shores Resiliency Master Plan as a pilot for the Citywide Stormwater Master Plan Update

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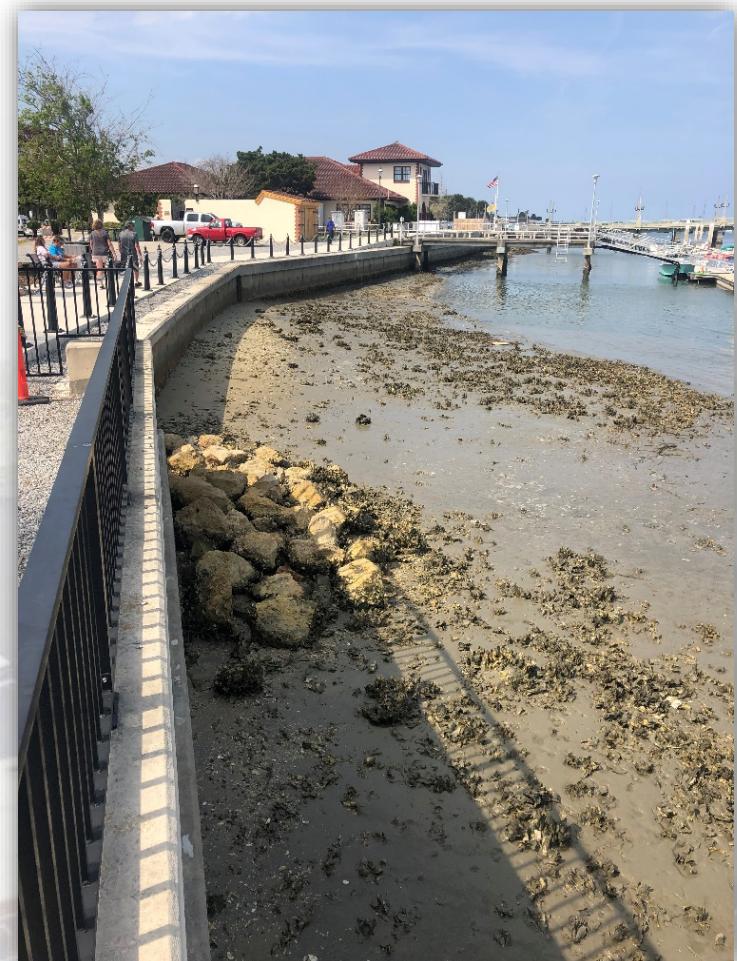


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Resilience Program Updates

❖ Project Implementation

- ✓ FEMA 13 Lift Stations Rehabilitation - under construction
(www.CityStAug.com/FEMA13)
- ✓ Lake Maria Sanchez Flood Mitigation and Drainage Improvement Project (HMPG) – proceeding with design
(www.CityStAug.com/LakeMariaSanchez)
- ✓ Avenida Menendez Flood Barrier (HMGP) – Phase 1 @ 30% Design
- ✓ South Whitney West King Street Flood Mitigation (HMGP) – received approval for Phase 2 construction from the State and FEMA
- ✓ Stormwater – CIP for next FY - cleaning, inspection, rehab and/or lining of storm pipe in priority locations





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Resilience Program Updates

❖ Funding - Federal – FEMA Programs



❖ Funding - State –

- Resilient Florida – new from the State Legislature – s. 380.093, F.S.
 - Planning and implementation/adaption grants available annually
- Rebuild Florida – through Dept. of Economic Opportunity (DEO)
 - General Infrastructure Program (GIP)
 - \$175M for long-term mitigation efforts available in Round 2

Resilience Program Updates

❖ Funding Continued

- ✓ Federal – FEMA's Flood Mitigation Assistance (FMA) Program
 - Competitive grant program – available annually
 - Funds can be used for projects that reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program
 - Contract in place with Quality Engineering
 - Outreach coming last week of August
- ✓ State –
 - Resilient Florida – deadline September 1, 2021
 - Planning grants (\$20M) – City's Stormwater Master Plan Update – Phase 2
 - Implementation/adaptation grants (\$500M, American Rescue Plan Act)
 - Lake Maria Sanchez Flood Mitigation and Drainage Improvement Project
 - South Whitney and West King Street Flood Mitigation and Drainage Improvement Project
 - Rebuild Florida – deadline September 17, 2021
 - \$175M for long-term mitigation efforts
 - Lake Maria Sanchez Flood Mitigation and Drainage Improvement Project



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Resilience Program Updates

❖ Education and Outreach

- ✓ City Staff continue to conduct individual flood mitigation site visits
- ✓ Lakeview Condo Association – April 28, 2021
- ✓ Town of Westbrook Council of Beach Association (Connecticut) – June 7, 2021
- ✓ Leadership St. Johns – Agricultural and Environmental Day – June 10, 2021
- ✓ Keeping History Above Water Conference – Army Corps of Engineers Back bay Feasibility Study (3x3x3) - lessons learned panel – City of Charleston, SC; City of Norfolk, VA and Miami-Dade County





West Augustine Sewer Improvements

West Augustine Sewer Master Plan, Scope Development with Consultant:

- ❖ Create an overall sewer plan to serve the greater West Augustine area.

West 3rd Street Sewer Extension, Identified for State Funding:

- ❖ Expected to Eliminate 20 Residential Septic Tanks and connect area residents to sewer on West 3rd Street between Volusia and Duval Streets
- ❖ Submitted for match funding through FDEP's Water Protection Grants Program

West 5th Street Sewer Extension, Complete:

- ❖ State Grant (FDEP) and City Funded; Installed new gravity sewer on West 5th Street between Volusia and Nassau Streets and connected area residents
- ❖ Installation of new gravity sewer mains, manholes, and services is complete
- ❖ Abandoned 25 existing septic systems and connected residents to new sewer system



Septic-to-Sewer Connections – In Progress:

- ❖ City Funded; Connect residents to existing gravity sewer systems
- ❖ To date, abandoned 57 existing septic systems and connected residents to existing sewer system
- ❖ Researching additional homes with existing gravity sewer available for connection program

CIP Overall Status Summary

Capital Improvement Projects – Through August 9, 2021

Project Scope Development	Conceptual Analysis & Studies	Preliminary Design	Final Design	Bidding Construction Contract	Construction Phase	Substantial Completion	Final Completion
Parking Pay Station Flood Proofing	St. Francis Street Utility Improvements	Lake Maria Sanchez Flood Mitigation	Sevilla St Roadway & Utility Improvements	City Marina Crosswalk* S. Whitney & W. King Flood Mitigation (1)	S. Orange Street Utility Adjustments (SJC)	Avenue D Utility Adjustments (SJC)	West San Carlos – May Street Improvements
South Tank Potable Water Fill Line	San Sebastian WM HDD King Street	Avenida Menendez Seawall (HMGP) (1)	Duero & Cerro Utility and Storm Improvement	WTP Motor Control Center Replacement	I&I Gravity and Lateral Cleaning, Inspection and Rehabilitation	Lift Station 23 (in the Plaza – FEMA 13)	South Davis Shores Resiliency Master Plan
SCADA Master Plan SB 64 Plan	City-wide TIDE Valve Master Planning	Inlet Drive Shoreline Restoration*	WWTP Headworks Rehabilitation	Automatic Meter Reading Phase 4	Hurricane Matthew FEMA 13 Lift Station Rehabilitation	WWTP Motor Control Center Replacement	I&I Clean and CCTV Sanitary Sewer Basins 1,14,49,53,54
Pearl Street FM Improvements	W Augustine Gravity Sewer Master Plan Lift Station 14 Replacement Lift Station 8 Replacement Lift Station 41 Replacement Pearl Street Gravity Sewer Stormwater Master Plan Update Phase 2	West 3rd Street Gravity Sewer Improvements Santa Rosa Utility Adjustments (SJC) SR 312 from 207 to Holmes Util Adj (FDOT) Stormwater CIPP Lining for Valves Oyster Creek Force Main HDD (FDOT)	King Street Drainage (FDOT) I&I Prioritize Sanitary Sewer R&R S. Holmes Utility Adjustments (SJC) N. Rodriguez Street Utility Adj (SJC) Downtown Improvement District Phase 2	I&I Smoke Testing Sanitary – 16 Basins I&I Clean & Inspect Sanitary – 10 Basins RO Concentrate Discharge West Augustine Septic to Sewer Connections	I&I Sanitary Manhole Rehab Basin 52 S. Orange Street Utility Adjustments (SJC) Arricola Ave Force Main HDD Improvements		I&I Clean and CCTV Sanitary Sewer Basins 30, 35, 43, 57, 58 2021 Paving Program

Key:

- (1) Grant Dependent
- (2) Developer Dependent
- (*) Postponed
- (**) Phase Complete

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SB 64 Plan	W Augustine Gravity Sewer Master Plan		S. Holmes Utility Adjustments (SJC)	Automatic Meter Reading Phase 4	I&I Sanitary Manhole Rehab Basin 52		I&I Clean and CCTV Sanitary Sewer Basins 30, 35, 43, 57, 58
Pearl Street FM Improvements	Lift Station 14 Replacement	SR 312 from 207 to Holmes Util Adj (FDOT)	N. Rodriguez Street Utility Adj (SJC)	RO Concentrate Discharge	S. Orange Street Utility Adjustments (SJC)		2021 Paving Program
	Lift Station 8 Replacement	Stormwater CIPP Lining for Valves	Downtown Improvement District Phase 2	West Augustine Septic to Sewer Connections	Arricola Ave Force Main HDD Improvements		
	Lift Station 41 Replacement						
	Pearl Street Gravity Sewer	Oyster Creek Force Main HDD (FDOT)					
	Stormwater Master Plan Update Phase 2						

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Utilizing FY2022 Funds Requiring Loans or Grants



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Additional Questions and Commission Discussion