



CITY OF  
**ST AUGUSTINE**  
EST. 1565

# CoSA City Commission

## “Public Works & Utilities Update”

October 26, 2020

Todd J. Grant, P.G.

Director, Utilities

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

Director, Public Works



# Public Works & Utilities Update Agenda

## Key Updates

- 13 Lift Station Rebuilds (FEMA)
- Maria Sanchez Flood Mitigation Project (FEMA)
- West Augustine Sewer Improvements
- Lincolnville Drainage & Utility Improvements
- Major Projects in Design Phase
- Mobility Program

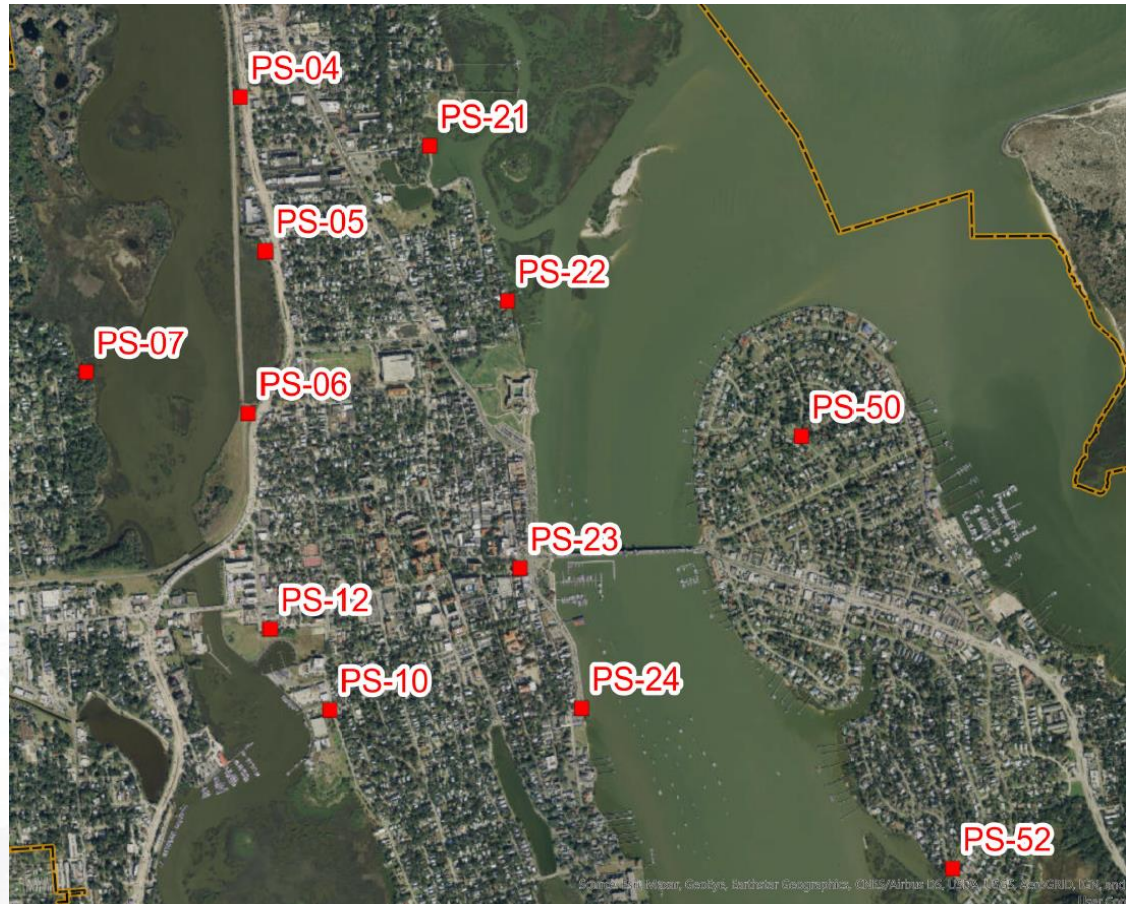
## Overview

- CIP Overall Status Summary



# FEMA 13 LIFT STATIONS REHABILITATION

- ❖ Bidding Complete
  - ❖ First 10 of 13 Stations
- ❖ Bid Evaluation Phase
- ❖ Pre-Bid Estimate: \$14.2 M
- ❖ Awaiting GMP from the CMAR
- ❖ List of 13 Lift Stations to be Rehabilitated or Replaced:
  - ❖ LS-4, 5, 6, 7, 10, 11, 12, 21, 22, 23, 24, 50, and 52
- ❖ Arricola Ave. Force Main







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# Maria Sanchez Flood Mitigation Project (FEMA)

## Progress-to-date:

- ❖ Completed Basis of Design Report
  - ❖ 60% of Design submitted to Florida Division of Engineering Management (FDEM) for the FEMA Scope of Work
- ❖ Additional Design Underway to support the FEMA Approved Scope of Work
  - ❖ Utility Conflicts
  - ❖ Roadway and Streetscape
  - ❖ Environmental Mitigation
  - ❖ Landscape Architectural Renderings

## Next Steps:

- ❖ Secure Easements
- ❖ Public Outreach, PZB
- ❖ Complete Supporting and Final Design (Fall 2021)







# Maria Sanchez Flood Mitigation Project (FEMA)

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# West Augustine Sewer Improvements

## West 5th Street Sewer Extension, Phase 2 – In Progress:

- ❖ State Grant (FDEP) and City Funded; Install new gravity sewer on West 5th Street between Volusia and Duval Streets and connect area residents
- ❖ Abandon 13 existing septic systems and connect residents to new sewer system in Phase 2
- ❖ Construction of Phase 2 is on schedule; Estimated completion March, 2021



## West 5th Street Sewer Extension, Phase 1 – Complete:

- ❖ State Grant (FDEP) Funded; Installed new gravity sewer on West 5th Street between Duval and Nassau Streets and connected area residents
- ❖ Installation of new gravity sewer mains, manholes, and services is complete
- ❖ Abandoned 12 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





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# Lincolnville Drainage & Utility Improvements

- ❖ Project was grant funded through CDBG/FDEO, SJRWMD, & LCRA
- ❖ **Final road reconstruction is complete!**





# Major Projects in Design Phase

## Design Milestones Achieved

- ❖ **Sevilla Street Brick Roadway & Utility Improvements**
  - Progressed to Final Design Phase
- ❖ **Lincolnvile Drainage & Utility Project #3**
  - Progressed to Final Design Phase
- ❖ **Force Main Replacement LS-51 to LS-52**
  - Progressed to Final Design Phase
- ❖ **Downtown Improvement District – Phase 2**
  - Detailed Design





# Mobility Program: Activity Management

## Mobility Program Activity Update - October 26, 2020

Progress to Date				
Level/Initiative	Deliverable/Activity	% Complete	Est. Finish	Notes
Neighborhood				
North City Trail Concept Plan	Develop trail from the Fort to the Fullerwood Neighborhood	30%	Mar-21	Issued work order to begin the plan
San Marco Bike Lanes	Install bike lanes, crosswalks & sidewalk between US1 & SR16	70%	Mar-21	Design is complete
City				
Parking Code Update	Review and update parking code requirements	30%	1/31/2021	Delayed due to COVID-19
Smart Parking System	Phase 2 Integrate Parking Garage with On/Off Street Parking	50%	TBD	Pilot project developed for the parking garage
Commercial Delivery (CD)	Implement parking & truck delivery management system	50%	TBD	Approved by HARB; SJRWMD Permitting
Bike Share Program	Develop a sponsored bike share program for the City	90%	Fall 2020	Bikes have arrived and preparing for launch
City Marina Crosswalk	Design and bid crosswalk at City Marina	100%	-	Bids came in over budget
Local (SJC, CoSAB, TPO, etc.)				
EV Charging Stations	Working with FPL to select more locations	-	-	
Anastasia Blvd Study	Develop Complete Street options for the corridor from Red Cox to BoL	10%	6/1/2021	Collecting corridor data

### Legend

	on target		at risk		corrective action required
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# Mobility Program: Activity Management (continued)

Progress to Date				
Level/Initiative	Deliverable/Activity	% Complete	Est. Finish	Notes
State (FDOT, SJRWMD, DEP)				
San Marco Ave & May Street	Intersection and drainage improvements	95%	TBD	Intersection is being modified to improve turning radii
Red Cox Rd/Anastasia Blvd	Intersection improvements	30%	-	Data Collection Complete, FDOT working on concept
Zorayda/A1A Ped Crossing	Design	90%	TBD	Easement approved; ready to construct
San Marco Ave Shared Path	Design and construct shared path between Pine and Ocean Ave	60%	TBD	Need decision on palm tree removal
Federal				
Major Accomplishments (since January 27, 2020)		Upcoming Activities		
→ Approved Easement for Crosswalk		→ Bikeshare Launch		
→		→		
→		→		
Challenges, Risks & Issues				
<input type="checkbox"/> Land Acquisition for Park and Ride Program				
Key Decisions				
Decisions Required: <ul style="list-style-type: none"><li>• Due to COVID-19 will the shuttling operation continue for Nights of Lights?</li></ul>				

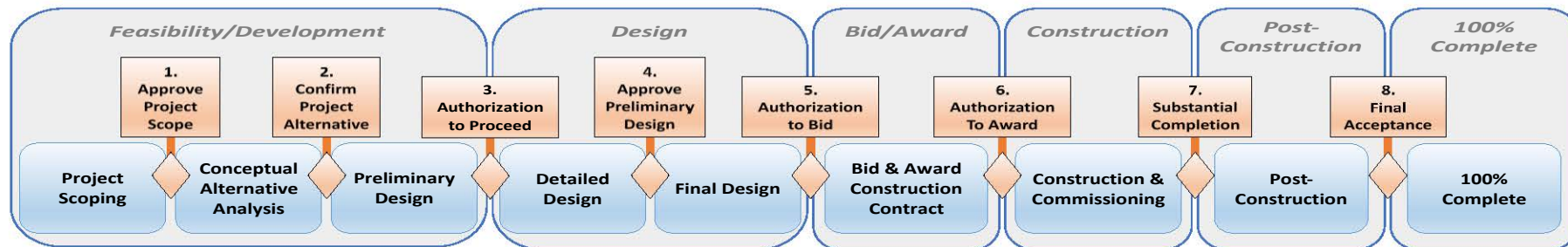
## Legend

	on target		at risk		corrective action required
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# CIP Overall Status Summary

## Design-Bid-Build Active Projects – through October 26, 2020



King Street San  
Sebastian Water  
Main HDD

Avenida Menendez  
Seawall HMGP

Neighborhood Water  
Main Improvements  
(Dumas St)

2021 Paving

Parking Pay Station  
Flood Proofing

Inflow and Infiltration  
Reduction 2021

St. Francis Street  
Utility Improvements  
  
Althea/Fern/  
Seminole/Atlantic  
Neighborhood  
Drainage

Lift Station 14  
Replacement  
  
Inlet Drive Shoreline  
Restoration  
  
Automatic Meter  
Reading Phase 4

Downtown  
Improvement District  
Phase 2  
  
Lake Maria Sanchez  
Flood Mitigation  
  
City-wide TIDE Valve  
Master Planning  
  
King Street Drainage  
(FDOT)

Sevilla Street Brick  
Roadway & Utility  
Improvements  
  
Lincolnville Utility &  
Drainage – Project 3  
(<sup>(1)</sup> [Cerro St & Duero  
St (portion)])  
  
Force Main  
Replacement LS-51  
to LS-52  
  
WWTP Headworks  
Rehabilitation

City Marina Crosswalk  
Avenue D Utility  
Relocation (County  
Drainage Project)  
  
S. Orange Street Utility  
Relocation (County  
Drainage Project)  
  
S. Whitney & W. King  
Flood Mitigation (<sup>(1)</sup>)  
  
Hurricane Matthew  
FEMA Lift Station  
Rehabilitation (13  
stations) with CMAR  
  
Water Treatment Plant  
Motor Control Center  
  
Sanitary Main and  
Lateral Cleaning,  
Inspection and  
Rehabilitation

West 5<sup>th</sup> Street Gravity  
Sewer and Septic to  
Sewer Connections  
  
Sanitary Sewer  
Trenchless Point  
Repairs Downtown  
  
Smoke Testing 16  
Sanitary Sewer  
Collection Basins  
  
Sanitary Sewer Rehab  
2020  
  
Sanitary Manhole Rehab  
Downtown Basins  
  
South St Sidewalk  
  
Sanitary Manhole  
Inspection and  
Rehabilitation 2020  
  
West Augustine Septic  
to Sewer Connections  
  
West San Carlos – May  
Street Improvements  
  
Clean, Inspect Sanitary  
Sewer Basins: 2,3,  
21,52  
  
Wastewater Treatment  
Plant Motor Control  
Center Replacement

WWTP In-House  
Resiliency Flood  
Protection Project up to  
Elevation 12 NAVD88  
  
Lincolnville Drainage –  
Project 1 (<sup>(1)</sup>) [South St &  
DeHaven St]

Pump Station 3  
Replacement  
  
2020 Paving Projects  
  
Coquina Park and  
Stormwater  
Improvements  
  
Clean & Inspect Sanitary  
Mains in Basins 8, 12,  
29 & 56  
  
Wells D-8 and D-9  
Investigation and  
Repairs  
  
Water Meter  
Replacements Phase 3

### Key:

- (<sup>(1)</sup>) Grant Dependent
- (<sup>(2)</sup>) Developer Dependent
- (\*) Postponed
- (\*\*) Phase Complete



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# Additional Questions and Commission Discussion