



City Commission Special Meeting

Utilities & Public Works Capital Improvement Plan – Proposed FY 2025 – FY 2029

August 28, 2025

Nancy Sikes-Kline
Barbara Blonder
Cynthia Garris
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Mayor
Vice Mayor
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Commissioner
Commissioner

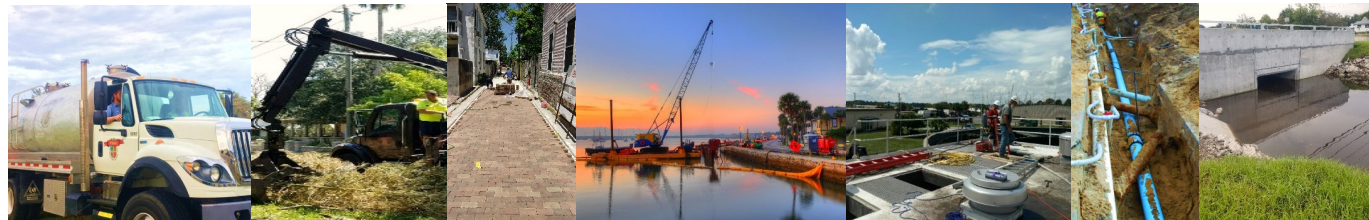
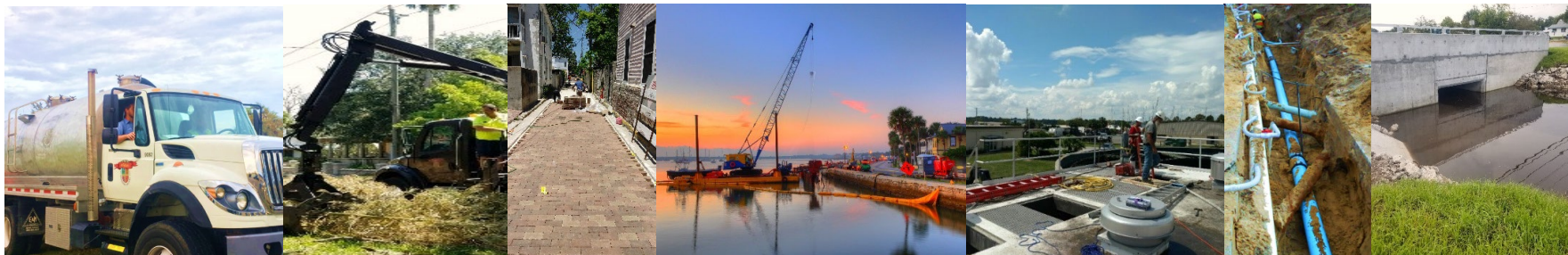


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CIP Project Schedule

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CIP Project Schedule

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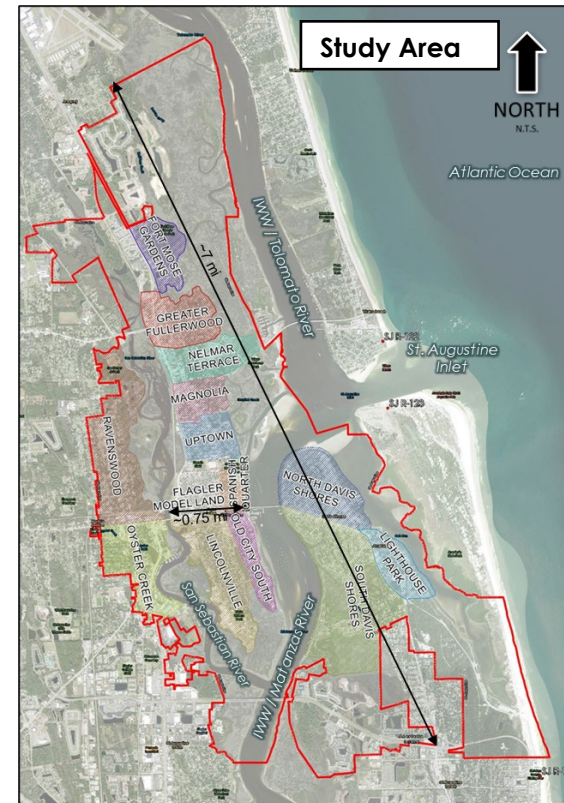
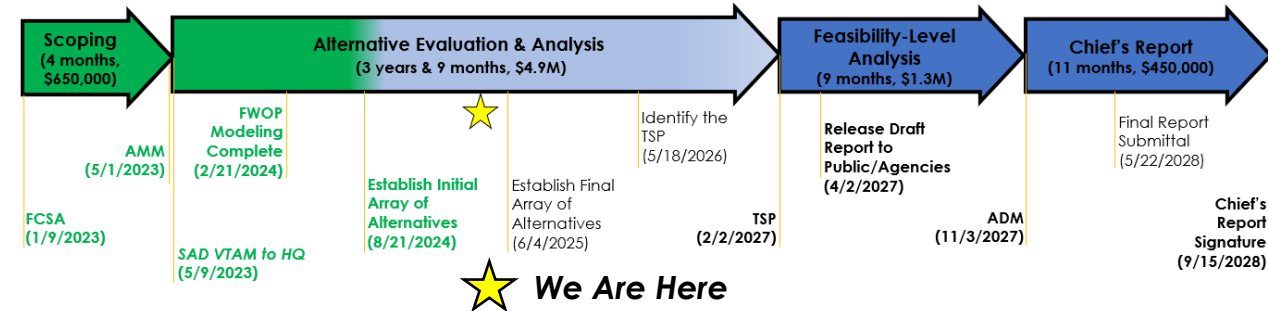
CIP Project Information Sheet

Army Corps of Engineers Back Bay Feasibility Study

The City of St. Augustine Coastal Storm Risk Management (CSRM) Study is a federal feasibility study that investigates coastal storm impacts on the City of St. Augustine. In partnership with the United States Army Corps of Engineers (USACE), City of St. Augustine and its stakeholders, the study will investigate Coastal Storm Risk Management problems and identify solutions to reduce damages from coastal flooding that affects population, critical infrastructure, historic and culturally significant resources, and ecosystems. The strategies (future projects) identified in the study are eligible for cost share funding with the federal government. Based on current projected study schedule and budget, total cost will be \$7.3M and 6 years.

- Funding, \$1.5M ARPA funding for the City's initial cost share, \$5.8M federal appropriations and Disaster Relief Supplemental Appropriations Act.
- Established the final array of alternatives, conducting model runs of those alternatives.

Study Cost: \$ 7.3M
Construction Cost: \$ TBD
Project Status: Study
Study Duration: 2022 – 2028



Key Components of the Study Scope:

- Entire City of St. Augustine (COSA)
- Compound Flooding
- Full Array of Alternatives & Comprehensive Benefits
- Environmental Impact Statement (EIS) Likely
- Robust Community Outreach

Acronyms

FCSA = Feasibility Cost Share Agreement
 AMM = Alternatives Milestone Meeting
FWOP = Future Without Project
 SAD = South Atlantic Division
 VTAM = Vertical Team Alignment Memo
 HQ = Headquarters
 TSP = Tentatively Selected Plan
 ADM = Agency Decision Milestone

CIP Project Information Sheet

Avenida Menendez Seawall

The City of St. Augustine has received federal funding through FEMA's Hazard Mitigation Grant Program to design and construct the final segment of seawall near the Marina. This project will essentially close the "elevation" gap between the existing north (Harbormaster Park) and south (2013 Avenida Menendez Seawall) segments. The project entails raising the final segment of seawall to match the north and south elevations, installation of two (2) tide check valves, and rehabilitation of the existing seawall to harden it. The combination of this work will provide for a higher level of flood protection up to the 100-year storm event (also referred to as the 1% annual chance event).

- Funding, \$550,000 Florida Inland Navigation District (FIND) towards construction costs, and \$894,700 for FEMA's share
- Currently soliciting for construction

Design Cost:	\$ 150,000
Construction Cost:	\$ 1.5M estimate
Project Status:	Solicitation - Construction
Construction Duration:	2025-2026



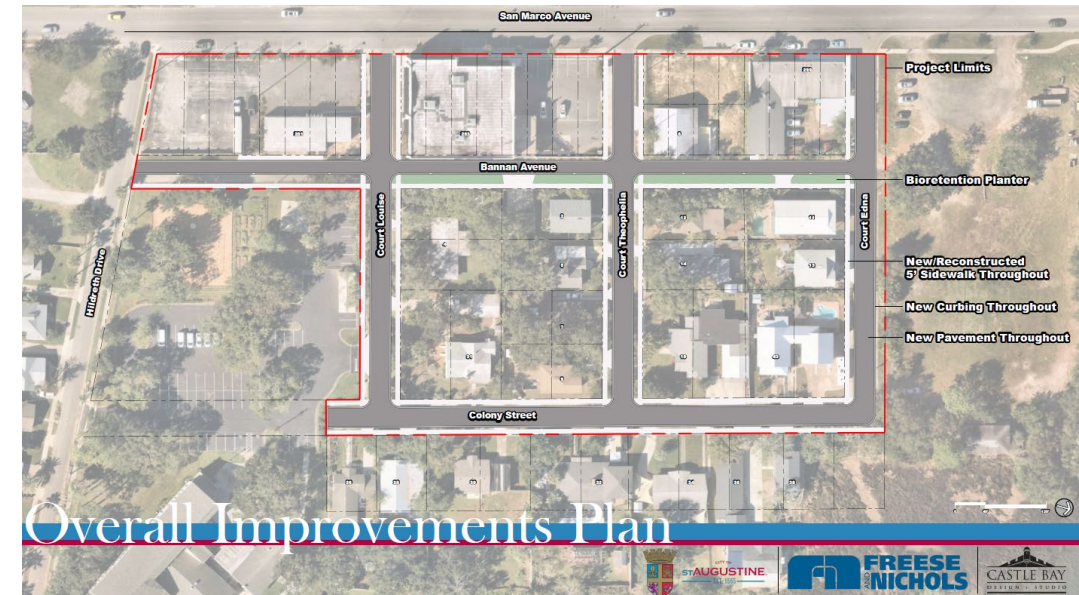
CIP Project Information Sheet

Court Theophelia Neighborhood Stormwater and Utility Improvements

The project includes design, permitting, and construction to replace aged utilities, upgrade existing storm water infrastructure and evaluate structural and non-structural based resiliency options for the neighborhood. The project outcomes include reconstruction of flood prone and damaged roads due to high tide flooding, improved drainage to provide a higher level of service during rainfall events, replacement of aged utilities, and implementation of green infrastructure to provide water quality benefit with storm water management.

- Funding, \$4,855,778 Resilient Florida program grant, a federal ARPA pass through
- Easements procured, soliciting for construction

Design Cost:	\$ 697,900.24
Construction Cost:	\$ 4,157,878 est.
Project Status:	Solicitation – Construction
Construction Duration:	2025-2026



CIP Project Information Sheet

Facilities - **Alcazar Waterproofing**

The Alcazar Waterproofing project, funded by a grant from the Dept. of State, is a combination of crack repair, tuck pointing, repairing damage to terra cotta, and finally applying a waterproof sealant to the front portion of the building. This grant excludes repair and sealant to the Lightner Museum. The project is due to be complete by December 31, 2025.

- Florida Division of Historic Resources grant
- Construction complete

Design Cost:	\$ na
Construction Cost:	\$ 1,350,000
Project Status:	Complete
Construction Duration:	Complete by Dec 31, 2025



CIP Project Information Sheet

Facilities - **Alcazar Window Replacement**

The window replacement project, also funded by the DOS, is the final phase of a project that began in 2001. Approximately 330 remaining windows will be replaced in the Alcazar and Lightner building. Upon completion, all windows at this historic property will have been replaced. The project is due to be completed by December 31, 2025.

- Florida Division of Historic Resources grant
- Approximately 60% complete

Design Cost:	\$ NA
Construction Cost:	\$ 1,595,00
Project Status:	Construction
Construction Duration:	Complete by Dec 31, 2025



CIP Project Information Sheet

Facilities - **Marina Facilities Building**

The Municipal Marina building was built in 1992 with two floating docks, expanded in 2012 to include three docks and three mooring fields. Due to high demand, the facilities are now at capacity. A new project will replace the aging 33-year-old public restrooms (open 24/7), marina customer showers, restrooms, lounge, and marina office space. It will expand restroom capacity, ensure ADA compliance, add a marine public safety office, and customer service office.

- Marina funds
- Currently in preliminary design
- Budgeting \$75,000 for final design in FY26



Design Cost:	\$ 100K
Construction Cost:	\$ 2M estimate
Project Status:	Design
Construction Duration:	1 year

CIP Project Information Sheet

Facilities - **Marina Fuel and Central Docks**

This project will replace the original 1992 floating docks, which have exceeded their expected lifespan. It includes new concrete float modules, pilings, and upgraded utilities that provide fuel, electricity, potable water, sewage pump-out, and overnight dockage. The improvements will increase marina capacity, modernize infrastructure, and enhance resilience to storm conditions. Serving over 7,500 vessels annually, the marina provides essential access and services to both recreational and commercial vessels transiting through the Intracoastal Waterway.

- Marina funds
- Currently in design
- Budgeting \$350,000 for final design in FY26

Design Cost:	\$ 350,000
Construction Cost:	\$ 6M estimate
Project Status:	Design
Construction Duration:	1 year



CIP Project Information Sheet

Fire - Island Fire Station Replacement

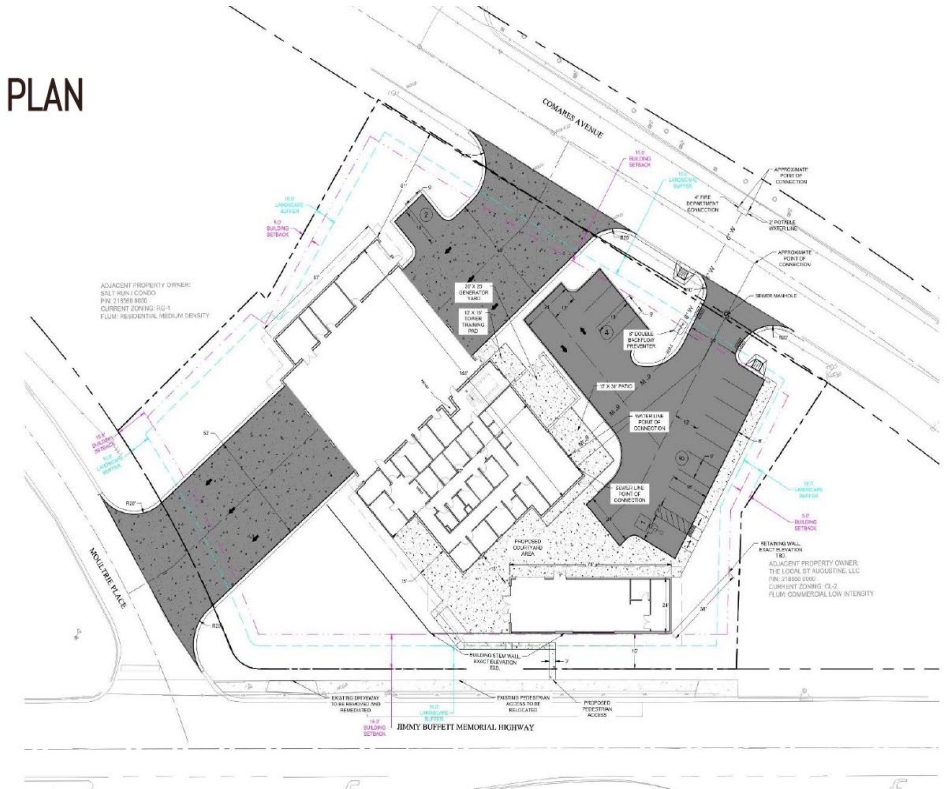
This project will replace the existing fire station on Red Cox Drive which was built in 1955. The existing fire station was identified as needing to be replaced in 2008. The property at 500 Anastasia Blvd has been acquired by the city as the new site for the island fire station. An architecture firm is under contract and design, permitting, and programming is underway.

Land purchase was \$4,000,000 (\$2,500,000 from state grant). There is a two-year lease agreement in place that ends January 2027.

- Funding, \$750k state grant and general fund
- Project delivery method is CMAR (Construction Manager at Risk), construction planned for February 2027
- Design is approaching 30% complete

Design Cost:	\$ 1,120,000
Construction Cost:	\$ 13.4M est.
Project Status:	Design
Construction Duration:	16 months

SITE PLAN



CIP Project Information Sheet

Fire - Joint Public Safety Training Complex

This project will convert the old wastewater treatment plant into a training complex for city police and fire personnel. The existing structures have been demolished, and the city is currently working to design the training center. A dedicated site for police and fire professions is vital to ensuring the city maintains the highest standards of public service and would also provide additional credits for our public protection classification with the Insurance Services Office (ISO).

- Funding, general funds
- Site clearing complete, in design

Design Cost:	\$ 50,000
Construction Cost:	\$ 800,000 estimate
Project Status:	Design
Construction Duration:	TBD



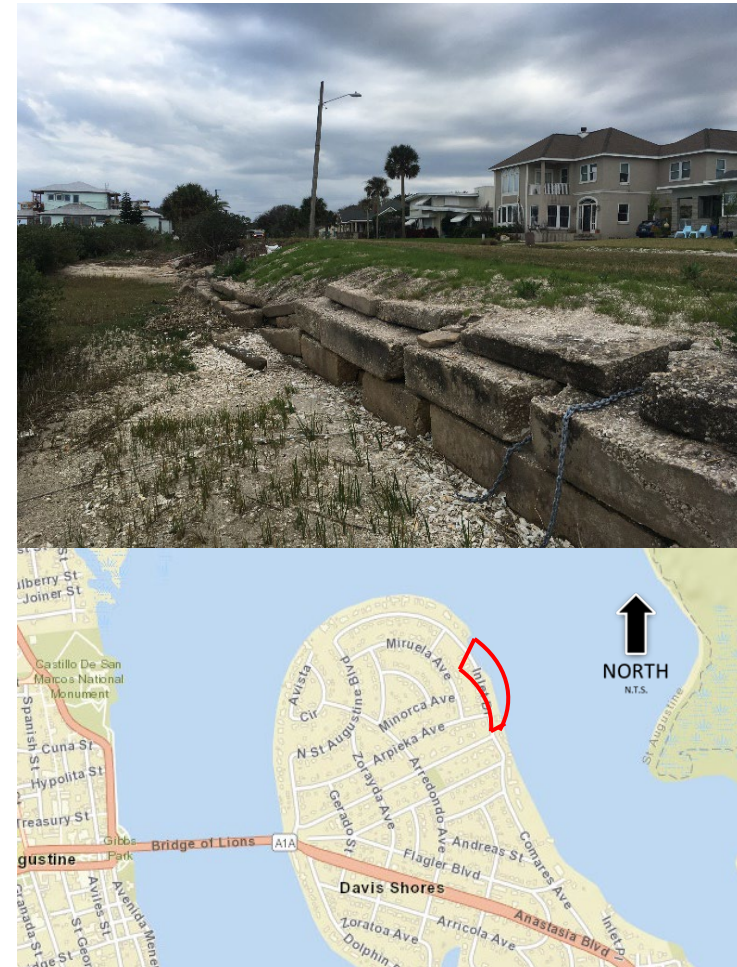
CIP Project Information Sheet

Inlet Drive Shoreline Stabilization

This project will look at a combination of structural and non-structural based solutions (living shoreline enhancement) to elevate and protect a section of shoreline that is subject to coastal erosion that would provide a higher level of flood protection for a critical residential road in the North Davis Shores neighborhood. This will also include upgrading the existing storm infrastructure and installation of a tide check valve.

- Funding, \$1,109,651 Resilient Florida program grant, a federal ARPA pass through
- Design is complete, permitting is in progress, easements are being secured, moving into solicitation for construction

Design Cost:	\$ 156,244
Construction Cost:	\$ 953,407 estimate
Project Status:	Solicitation – Construction
Construction Duration:	2025-2026



CIP Project Information Sheet

King Street Complete Street Improvements

The Florida Department of Transportation (FDOT) transfers to CoSA the ownership of right-of-way for King Street, Cathedral Place, Cordova Street, and the San Sebastian Bridge; located between US-1 and Avenida Menendez. The transfer of King St between Malaga and Avenida Menendez is complete. The San Sebastian bridge transfer will occur after its reconstruction.

- Funding, \$18M FDOT reimbursement previously identified in the CIP
 - New expenditures will be expended from the HACRA, including additional improvements not previously identified in FDOT reimbursement, general fund, or mobility fees
- Finalizing 30% design plans. Final design plans estimated summer 2027

Design Cost:	\$ 3.1M
Construction Cost:	\$ 17.0M estimate
Project Status:	Design
Construction Duration:	TBD



CIP Project Information Sheet

King Street San Sebastian Water Main HDD

This project will replace the existing water main on King Street crossing San Sebastian river. FDOT is replacing the bridge on King Street that crosses the San Sebastian river. The city's existing cast iron water main is an aerial crossing adjacent to the bridge. The new water main will be horizontally-directionally-drilled (HDD) beneath the river. This water main replacement will occur before the FDOT bridge replacement project.

- Funding, ARPA, bank loan, R&R fund
- Construction is substantially complete, water main and hydrants are operational; currently restoring pavement and sidewalk

Design Cost:	\$ 304,000
Construction Cost:	\$ 1.7M
Project Status:	Substantial Completion
Construction Duration:	2025



CIP Project Information Sheet

Lake Maria Sanchez Flood Mitigation & Drainage Improvements

This project will benefit approximately 200 acres of the historic district of the Nation's Oldest City. It will provide an increased level of flood protection from increasing high tide events, storm surge and future sea level rise by incorporating a combination of resilience strategies which include upgrades to the existing stormwater infrastructure, installation of a stormwater pump station, construction of a flood wall, and installation of tide check valves. The project area includes several historic buildings and structures listed on the National Register of Historical Places. The project is being phased into North (phase 1) and South (2) improvements.

The Resilient Florida program is granting \$19,995,928 million for this project. The project also was awarded State legislative funding of approximately \$10M.

- Resolution 2025-07 has enabled the City to secure the necessary easements and is moving through the legal process.
- Design for the North (Phase 1) is underway.

Design Cost:	\$ 3M
Construction Cost:	\$ 27M estimate
Project Status:	Design
Construction Duration:	2026-2030



CIP Project Information Sheet

Lift Station 8, 9, & 41 Replacement

Lift station 8, 9, and 41 are the next lift stations to be replaced and rehabilitated. These stations will be hardened for continuous operation during floods and storm surges. LS-8, our last dry can station, and LS-9 are along the San Sebastian River. LS-41 is a suction lift station near Tolomato River.

- Awaiting design proposal

Design Cost:	\$ 550,000
Construction Cost:	\$ TBD
Project Status:	Scope
Construction Duration:	TBD



CIP Project Information Sheet

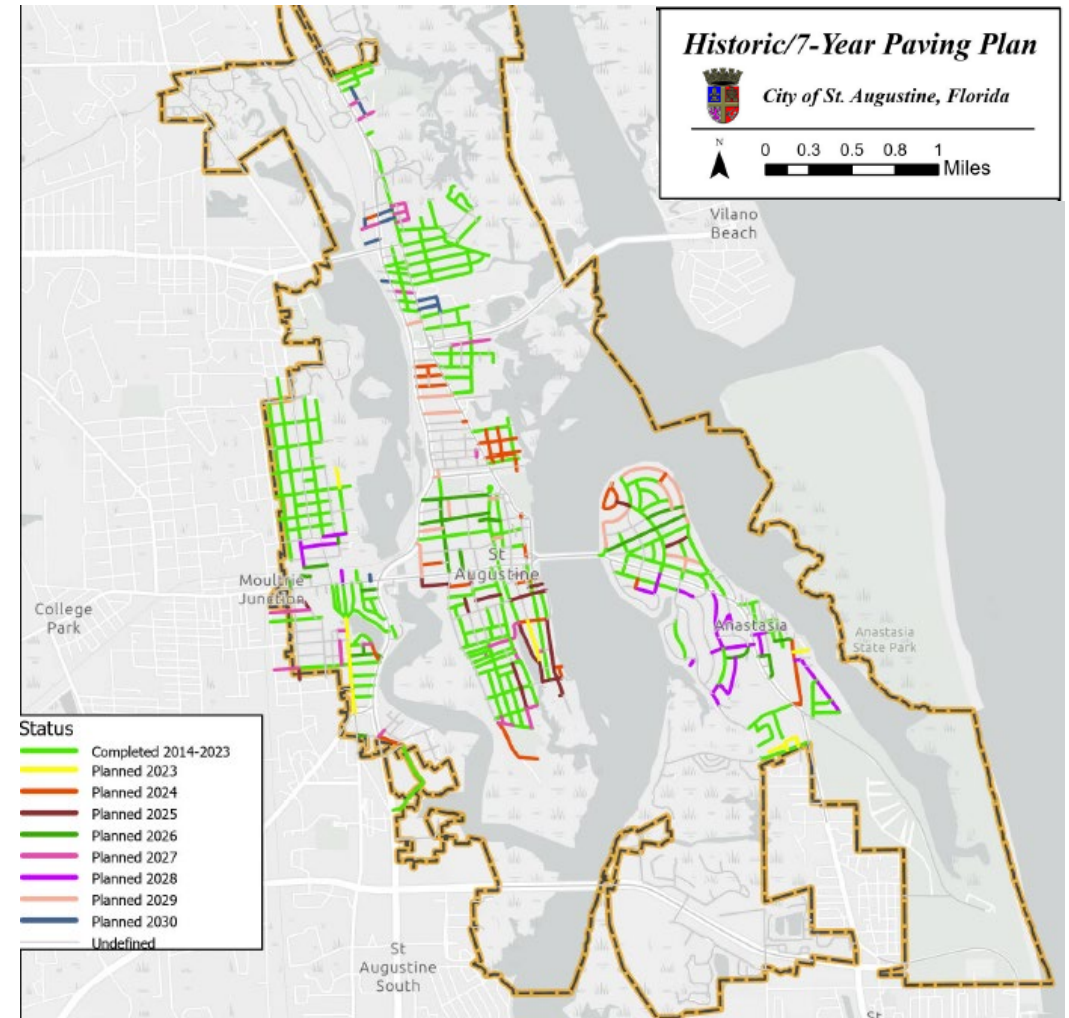
Paving Management Program

City has utilized RoadBotics to perform a pavement condition assessment. The results of this assessment help identify and prioritize our asphalt roadway resurfacing plan.

The resurfacing plan prioritizes the most severe (score of 5) roads first.

- All score 5 roads complete in FY24
- FY26, the city will continue to address roads with a score of 4 and under.
- With this plan, we will reach a preventative maintenance level of service.

Design Cost:	\$ na
Construction Cost:	\$ 900,000
Project Status:	Paving
Construction Duration:	Annual



CIP Project Information Sheet

FY26 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
26	Spencer St	South Dixie Highway	US 1	930	Oyster Creek			x	x	
26	Aiken Pl	Carey St	Spencer St	286	Oyster Creek				x	
26	Everett St	Arenta St	US 1	425	Oyster Creek		x		x	
26	Arapaho Ave	South Dixie Highway	US 1	564	Oyster Creek			x	x	
26	North Whitney St	West King St	Dead End	218	Ravenswood				x	
26	Travis Pl	Blanche Ln	Travis Ln	258	Ravenswood				x	
26	Fred Waters Way	Spring St	Palmer St	662	Ravenswood				x	
26	Nesbit Ave	Smith St	Evergreen Ave	238	Ravenswood				x	
26	East Carver St	Ponce de Leon Blvd	Red Cox Rd	467	Lighthouse			x	x	
26	Magnolia Dr	Dancy St	Anastasia Blvd	631	Lighthouse			x	x	
26	Dancy St	Anastasia Blvd	Magnolia Dr	253	Lighthouse				x	
26	Kenan St	Menendez Rd	West Carver St	855	South Davis Shores			x	x	
26	Olgethorpe Blvd	Inlet Dr	St. Augustine Blvd	2428	North Davis Shores			x	x	
26	Arpieka Ave	Arrendondo Ave	Inlet Dr	1036	North Davis Shores			x	x	
26	Markland Pl	King St	Valencia St	646	Flagler Model Land			x	x	
26	Riberia St	Orange St	King St	2100	Flagler Model Land	x	x	x	x	
26	St. Andrews Ct	Cordova St	Dead End	286	Flagler Model Land				x	
26	Cuna St	Cordova St	Spanish St	300	Old Town			x	x	
26	Saragossa St	US 1	Cordova St	1960	Flagler Model Land			x		
26	Orange St	US 1	Cordova St	1874	Flagler Model Land		x	x	x	



CIP Project Information Sheet

FY27 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
27	Fletcher Ln	East Ln	Rohde Ave	159	North City			x	x	
27	East San Carlos Ave	Estey St	Dead End	452	Magnolia				x	
27	Gabriel St	US 1	Dead End (west)	168	North City				x	
27	Mc Millan St	US 1	Dead End (west)	488	North City			x	x	
27	Court Edna	US 1	Colony St	345	Fullerwood				x	
27	Colony St	Court Edna	Court Louise	478	Fullerwood			x	x	
27	Court Louise	US 1	Colony St	376	Fullerwood		x	x	x	
27	Bannon Ave	Court Edna	Court Louise	481	Fullerwood			x	x	
27	Court Theophelia	US 1	Colony St	349	Fullerwood				x	
27	Fairbanks St	US 1	Dead End (west)	357	North City			x	x	
27	Fort Mose Trail	US 1	Park Entrance	481	Fort Mose				x	
27	Isla Dr	US 1	Colon Ave	227	Fort Mose			x	x	
27	Cerro St	Riberia St	Martin Luther King Jr Ave	442	Lincolnville			x		
27	Twine St	Cerro St	Duero St	209	Lincolnville			x		
27	Oneida St	Duero St	Cerro St	545	Lincolnville			x		
27	Duero St	Oneida St	Washington St	309	Lincolnville			x		
27	Washington St	Kings Ferry Way	Lovett St	447	Lincolnville			x		
27	School St	Pomar St	Dead End	163	Lincolnville			x		
27	Park Pl	Martin Luther King Jr Ave	Cordova St	1185	Lincolnville			x		
27	San Salvador St	St. George St	Charlotte St	189	Old City South			x		
27	Live Oak St	South Rodriquez St	South Whitney St	683	Oyster Creek			x		
27	Dr. RB Hayling Pl	South Whitney St	Rollins Ave	427	Oyster Creek			x		
27	Anderson St	South Rodriquez St	South Whitney St	690	Oyster Creek			x		
27	Eastman St	Madeore St	Anderson St	693	Oyster Creek			x		
27	Isabel St	Hopkins St	South Dixie Highway	313	Oyster Creek			x		
27	Carey St	Carey St (circle)	Rio Vista Dr	525	Oyster Creek			x		
27	Iroquois Ave	US 1	Yacht Center Dr	201	Oyster Creek			x		

CIP Project Information Sheet

FY28 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
28	North Leonardi St	West King St	Dead End	368	Ravenswood			x		
28	Spring St	Evergreen Ave	Fred Waters Way	787	Ravenswood			x		
28	Smith St	Spring St	Nesbit Ave	1058	Ravenswood			x		
28	Evergreen Ave	Palmer St	Florida Ave	736	Ravenswood		x	x		
28	Lew Blvd	Santa Monica Ave	Anastasia Park Dr	1851	Lighthouse		x	x		
28	Santa Monica Ave	Red Cox Dr	Lew Blvd	188	Lighthouse			x		
28	Busam St	Lighthouse St	Holly Ln	175	Lighthouse			x		
28	Palmetto Ave	Dancy St	Busam St	636	Lighthouse			x		
28	Busam St	Anastasia Blvd	Magnolia Dr	336	Lighthouse			x		
28	Alerto St	Menendez Rd	Ferdinand Ave	362	South Davis Shores			x		
28	Ferdinand Ave	Alerto St	Kenan St	1058	South Davis Shores			x		
28	West Carver St	Arricola Ave	Anastasia Blvd	1189	South Davis Shores			x		
28	Menendez Rd	Alerto St	Coquina Ave	336	South Davis Shores			x		
28	Coquina Ave	Menendez Rd	Hermosa St	390	South Davis Shores			x		
28	Luwanna Cir	South Matanzas Blvd	Dead End	176	South Davis Shores			x		
28	Cabeza St	Menendez Rd	South Comares Ave	582	South Davis Shores			x		
28	South Comares Ave	Cabeza St	West White St	381	South Davis Shores			x		
28	Arricola Ave	South Matanzas Blvd	Moultrie Pl	461	South Davis Shores			x		
28	Zoratoa Ave	Arrendondo Ave	Zorayda Ave	561	South Davis Shores			x		
28	Arrendondo Ave	Zoratoa Ave	Anastasia Blvd	555	South Davis Shores			x		

CIP Project Information Sheet

FY29 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
29	Andreas St	Arrendondo Ave	Comares Ave	1128	North Davis Shores			x		
29	North Matanzas	Andreas St	Flagler Blvd	336	North Davis Shores		x	x		
29	Inlet Dr	Alcazar St	St. Augustine Blvd	3034	North Davis Shores			x		
29	Mireula Ave	Murat St	Arpieka Ave	878	North Davis Shores		x	x		
29	St. Augustine Blvd	Arrendondo Ave	Oglethorpe Blvd	1729	North Davis Shores			x		
29	Malaga St	US 1	King St	943	Flagler Model Land	x	x	x		
29	Almeria St	US 1	Riberia St	644	Flagler Model Land			x		
29	Mulvey St	Orange St	Saragossa St	600	Flagler Model Land			x		
29	Tolomato Ln	Spanish St	Cordova St	205	Old Town			x		
29	Calle Sita	Cordova St	Spanish St	270	Old Town		x	x		
29	Riberia St	Grove Ave	West Castillo Dr	218	North City			x		
29	West Castillo Dr	US 1	Riberia St	126	North City			x		
29	Old Mission Ave	US 1	San Marco Ave	1032	North City		x	x		
29	Sebastian Ave	US 1	San Marco Ave	910	North City		x	x		
29	Dismukes St	US 1	San Marco Ave	360	North City			x		

CIP Project Information Sheet

Pearl Street Gravity Sewer and Water Main Improvements

The City acquired existing sewer infrastructure that includes a pump station and gravity sewer around the perimeter of Webster Elementary School. The City has the opportunity to install gravity sewer main extensions off the existing infrastructure and water main improvements to serve the residents in the area. The project will build out the gravity sewer basin to the fullest extent possible and provide service to 42 existing residential homes. Water main improvements are also included.

- Funded by \$2M ARPA grant; a \$2M FDEP grant for Septic to Sewer in west Augustine, and city bond proceeds
- Construction is substantially complete

Design Cost:	\$ 121,500
Construction Cost:	\$ 6.7M
Project Status:	Substantial Completion
Construction Duration:	2024-2025



CIP Project Information Sheet

South Davis Shores Flood Mitigation & Drainage Improvements

This project will include the design and permitting of stormwater improvements to address rainfall driven flooding events. This will primarily include upgrades to the existing drainage infrastructure, reconfiguring Coquina Ditch, and replace existing culverts. Design will be completed by June 30, 2026.

- Funding, Florida Resilient program is granting \$ 522,822 via federal ARPA pass through.
- Title work is completed over Coquina Ditch.
- Design is proceeding to 30%.

Design Cost:	\$ 522,822
Construction Cost:	\$ TBD
Project Status:	Design
Construction Duration:	TBD



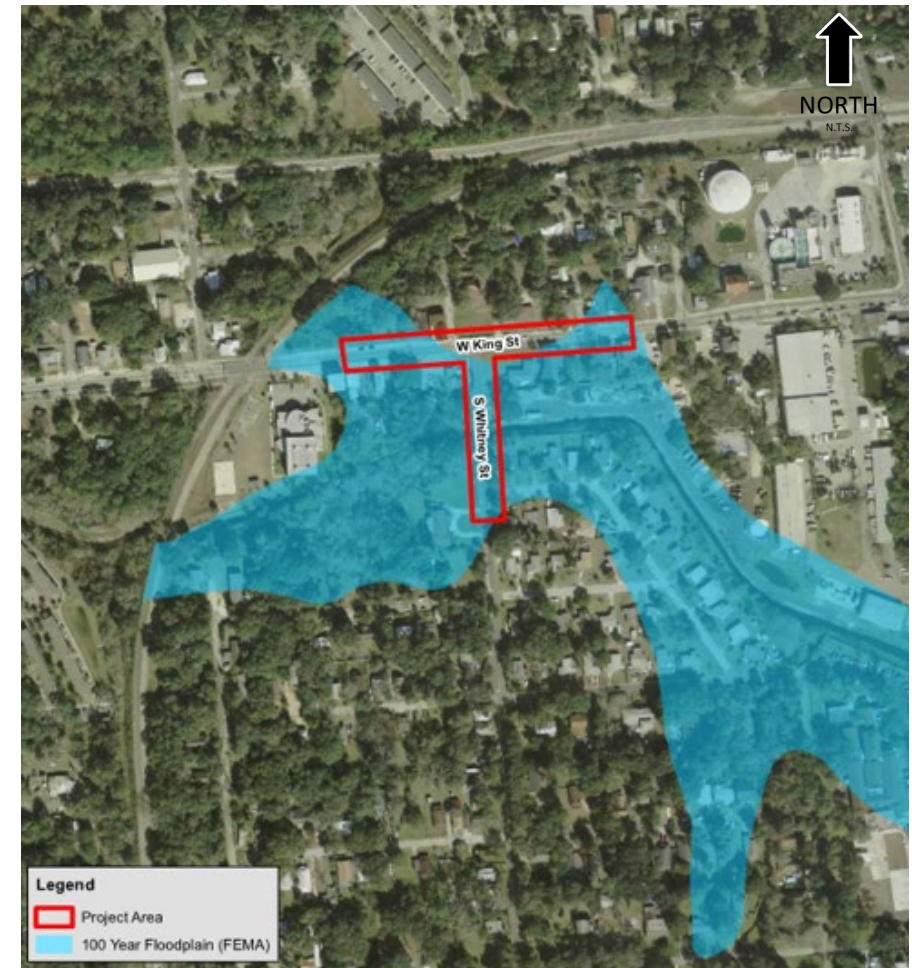
CIP Project Information Sheet

South Whitney & West King Street Stormwater Improvements

The proposed improvements consist of raising South Whitney St. and West King St. above the FEMA flood elevation of 7.0' NAVD88, replacing the existing box culvert at South Whitney with a culvert that doubles the hydraulic capacity. The project also includes reconstruction of the existing storm sewer system and its outfall at the box culvert on South Whitney St.

- Funded by \$1,310,925 FEMA HMGP (Hazard Mitigation Grant Program); SJC has committed \$250,000; and stormwater fund
- Completed interlocal agreement with SJC, permitting, and bidding.
- Securing remaining easements for construction.
- Box culvert portion of the project will be completed first.

Design Cost:	\$ 183,091
Construction Cost:	\$ 1.9 M
Project Status:	Pre Construction
Construction Duration:	2026-2027





Stormwater Tide Check Valve Installation – City Wide

CIP Project Information Sheet

Adaptation Plan based on the Vulnerability Assessment

The City has been awarded FDEP Resilient Florida grant funding (\$100,000) to complete an adaptation plan based on the updated vulnerability assessment that will satisfy the FDEP Resilient Florida Program guidelines and State Statutes (F.S. 380.093). The adaptation plan will be consistent with the Florida Adaptation Planning Guidebook. Steps included in the adaptation plan includes assessing adaptive capacities, prioritization of adaptation needs, identification of adaptation strategies, and integration into existing plans. This plan also has a public outreach and stakeholder engagement component.

- Funded by \$100,000 FDEP Resilient Florida planning grant
- Project kickoff meeting completed. Study is underway

Design Cost: \$ 100,000
Construction Cost: TBD
Project Status: Study
Construction Duration: TBD

Steps to Create Adaptation Plans



Figure 1. Communities can follow this roadmap of steps to create an adaptation plan.

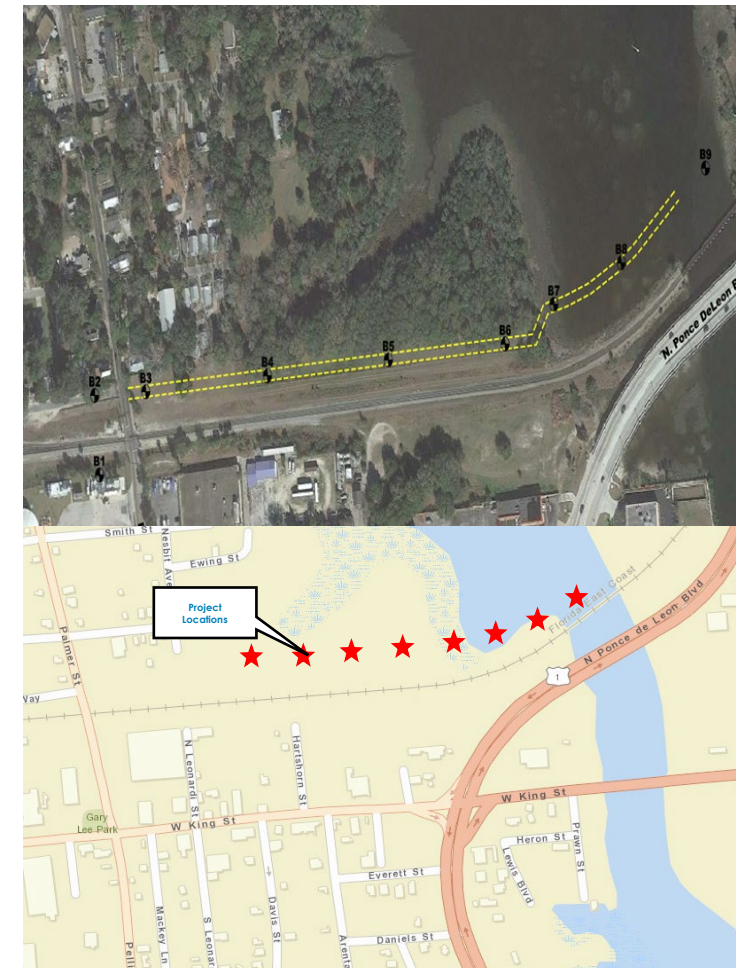
CIP Project Information Sheet

Water Treatment Plant LPRO Concentrate Outfall

This project will construct a permitted outfall pipe for the Water Treatment Plant's (WTP) low-pressure reverse osmosis (LPRO) concentrate. During production of the city's drinking water, the LPRO system produces approximately 300,000 gallons of brine concentrate per day. The brine is currently discharged to the City's sanitary sewer collection system and pumped to the wastewater treatment plant (WWTP). This concentrate outfall will eliminate 300,000 gallons per day of brine sent through the city's gravity sewers, lift stations, and WWTP.

- Funds, bank loan and city R&R
- Evaluating preconstruction recommendations and alternative designs for outfall diffuser

Design Cost:	\$ 161,300
Construction Cost:	\$ 5.5M estimate
Project Status:	Design
Construction Duration:	TBD



CIP Project Information Sheet

West Augustine Mini Grant & Septic-to-Sewer

This program connects west Augustine area existing homes with septic to existing gravity sanitary sewer. The City budgets \$250,000 per year to be used for all costs and fees associated with septic-to-sewer projects. The city identifies qualifying homes (homes with septic adjacent to gravity sewer) and assembles construction packages. During construction, the existing septic tank is demolished, the home's plumbing is rerouted and connected to existing gravity sanitary sewer.

- Funding, city R&R and grants
- 66 homes are connected via the mini grant program
- 102 additional homes have been connected to gravity sewer via capital projects in west Augustine

Design Cost:	\$ Varies
Construction Cost:	\$ Varies
Project Status:	Annual
Construction Duration:	Annual



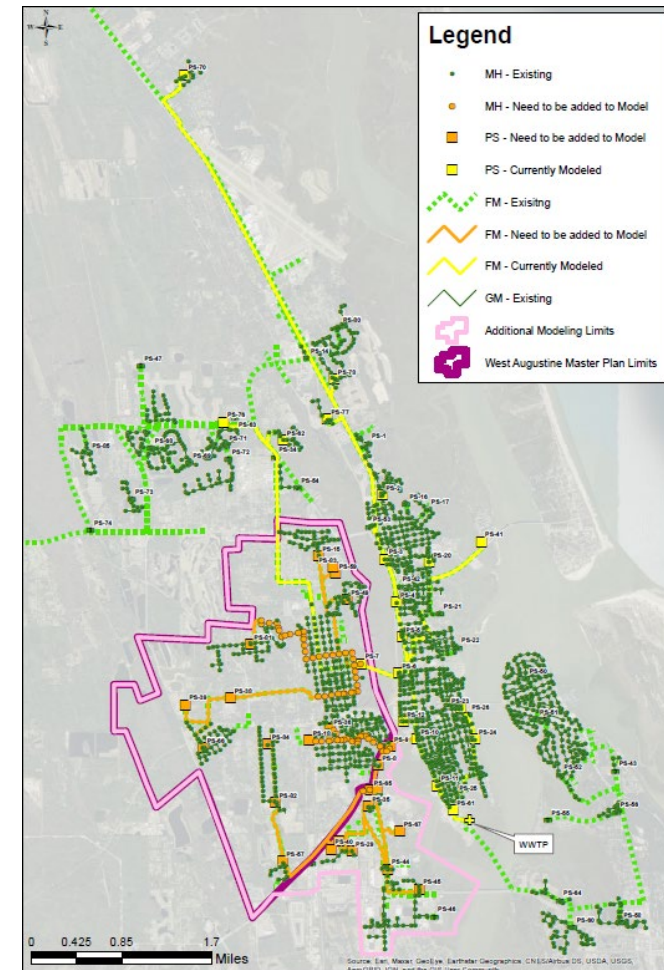
CIP Project Information Sheet

West Augustine Wastewater Master Plan and Hydraulic Model Update

The west Augustine wastewater master plan provides guidance for planning large capital wastewater collection system improvements. The plan allows for smart development and supports funding requests for various loans and grants. Expanding the city owned wastewater collection system will improve service, water quality, and quality of life.

- Funding, city R&R
- Currently working on the hydraulic model and defining Collier Heights sewer improvements

Design Cost:	\$ 82,605
Construction Cost:	\$ na
Project Status:	Annual
Construction Duration:	na



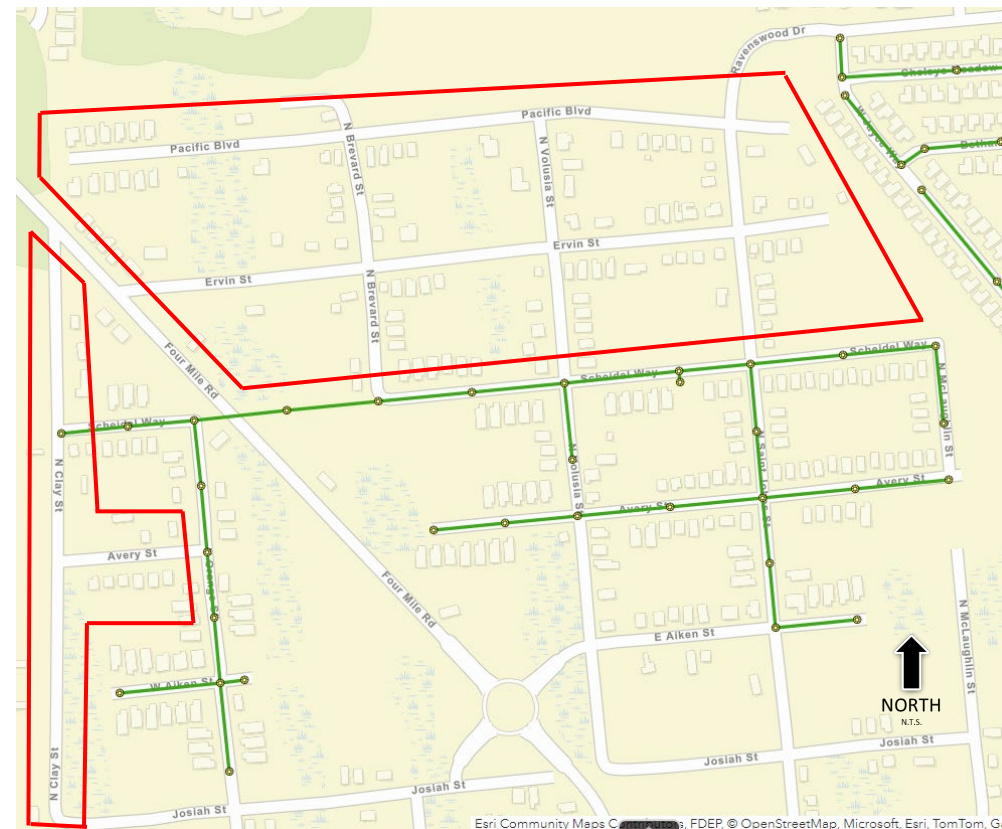
CIP Project Information Sheet

Lee and Ervin Street Gravity Sewer Improvements

This proposed project will bring gravity sewer collection and service to the Lee, Pacific, Ervin, and N. Clay area of West Augustine. This project will bring sewer service to 136 existing residential homes. Water main improvements will also be included in this project.

- Funds, awaiting response on \$5M FDEP state grant
- Estimated to connect 136 existing homes

Design Cost:	\$ TBD
Construction Cost:	\$ 7M estimate
Project Status:	Funding
Construction Duration:	TBD



CIP Project Information Sheet

Collier Heights Gravity Sewer Improvements

This proposed project will bring gravity sewer collection and service to the Collier, Puryear, and S. Orange Street in west Augustine. This area includes over 160 homes and is currently out of the range for extensions from the existing gravity sewer system. This project will require a new city lift station to connect to and expanded the existing collection system.

- Funding for design, city R&R
- Design to begin FY26

Design Cost:	\$ TBD
Construction Cost:	\$ TBD
Project Status:	Adding to CIP
Construction Duration:	TBD



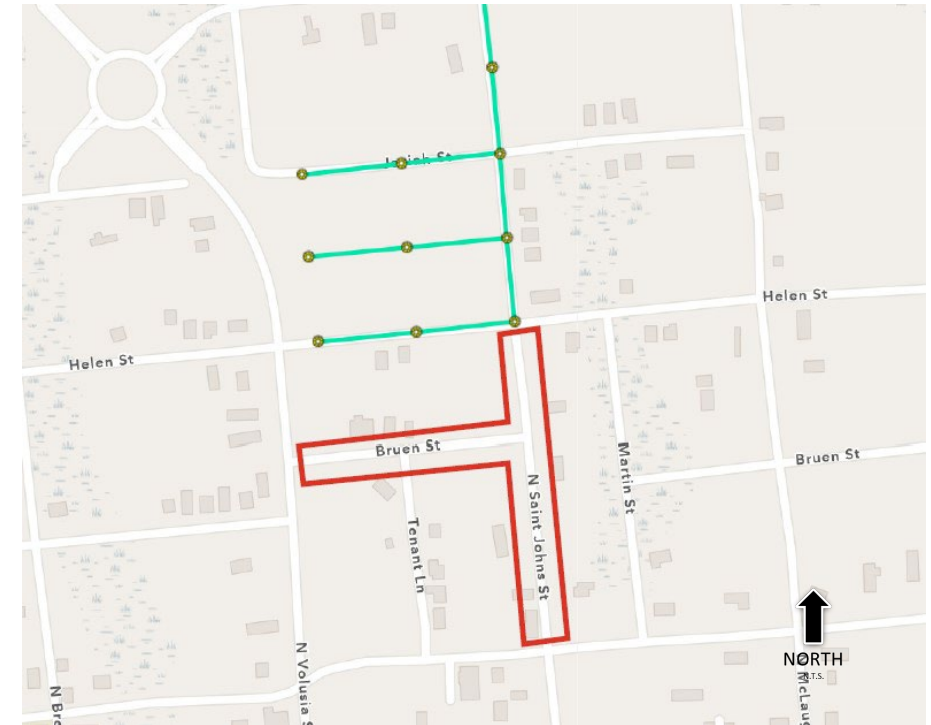
CIP Project Information Sheet

Volusia Woods Extension

This project will cover the two block area of N St Johns Street between Helen and Pearl Streets and Bruen Street west of St Johns Street. This will extend from the gravity sewer that was recently installed for the Volusia Woods Habitat for Humanity project and will also connect the existing homes that are adjacent to this recently installed infrastructure. This project will bring sewer service to 29 existing residential homes.

- Funded by a \$550,000 FDEP grant
- The new sewer is estimated to connect 11 existing homes and the project also plans to connect the 18 existing homes that are adjacent to the recent Habitat project.
- Requesting proposal

Design Cost:	\$ TBD
Construction Cost:	\$ TBD
Project Status:	Scope
Construction Duration:	TBD



CIP Project Information Sheet

Poinciana Ave Utility Improvements

The Poinciana Ave neighborhood has been identified as one of the next areas for a utility improvement project. This project will address water, sewer, and stormwater improvements.

- Funding for design from city R&R
- Beginning design

Design Cost:	\$ 200,000 est.
Construction Cost:	\$ TBD
Project Status:	Design
Construction Duration:	TBD



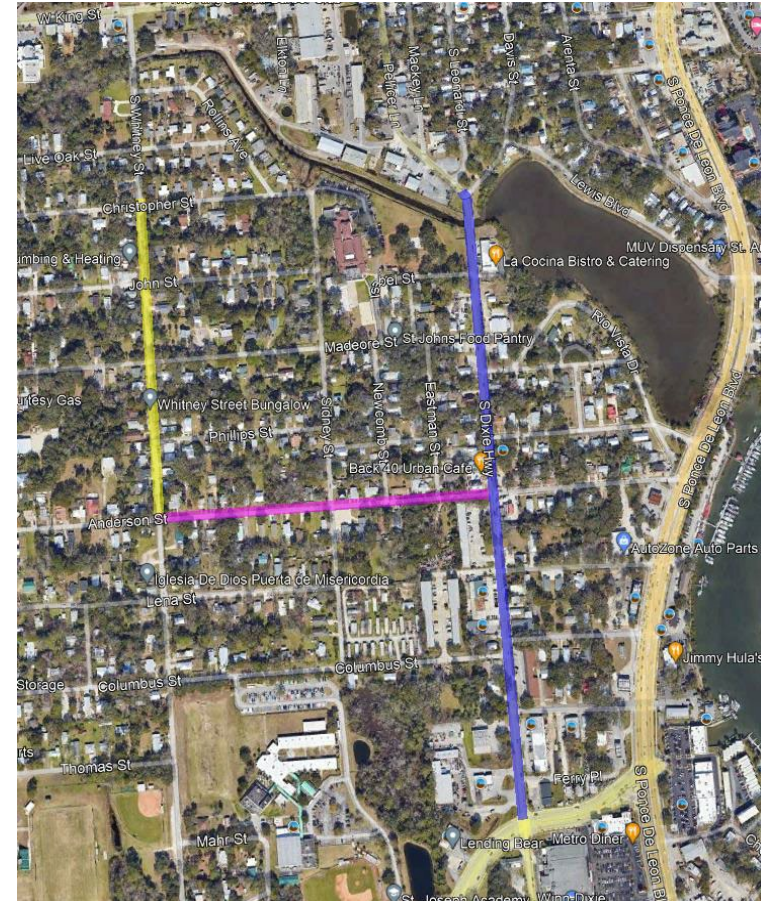
CIP Project Information Sheet

S Whitney, Anderson, S Dixie Sidewalk

This project will design a sidewalk along the westside of S Whitney from Christopher St to Anderson St, along one side of Anderson St from S Whitney St to S Dixie Hwy, and along both sides of S Dixie Hwy from Pellicer Ln to SR 207. This project is approximately 8,900 linear feet of new sidewalk.

- Funding, city general fund
- This project and S Whitney Box Culvert will connect W King Street to SR207 via sidewalk.
- Phase 1 (S Dixie Sidewalk) Final design complete, \$800,000
- Phase 2 (Anderson & S Whitney) 30% design complete
- Soliciting for construction

Design Cost:	\$ 298,125
Construction Cost:	\$800,000 ph1
Project Status:	Soliciting – Construction
Construction Duration:	TBD



CIP Project Information Sheet

Sevilla Street Brick Roadway & Utility Improvements

The Sevilla Street project improvements consist of cast iron water main replacement, gravity sewer replacement, stormwater improvements, and brick roadway replacement. Project will also include improvements to existing sidewalks, with elevated crosswalks and intersections.

- Funding, bank loan, city general and R&R funds
- Bricks are purchased
- Currently soliciting for construction

Design Cost:	\$ 110,000
Construction Cost:	\$ 4.2 M estimate
Project Status:	Solicitation - Construction
Construction Duration:	2026



CIP Project Information Sheet

Tolomato Parking Lot

The Tolomato parking lot improvements, originally part of Downtown Improvement District Phase 2, was phased for a later date. The proposed improvements include reconfiguration of commercial loading zones and solid waste, removing this traffic from Spanish Street.

- Funding, city general fund
- Finalizing the design. Construction anticipated spring 2026.

Design Cost:	\$ 49,400
Construction Cost:	\$ 1.3M estimate
Project Status:	Design
Construction Duration:	6-8 months



Glossary of Terms

ARPA – American Rescue Plan Act

CCTV – Closed Circuit Television

CI – Cast Iron

CIP – Capital Improvement Plan

CoSA – City of St. Augustine

CSRM – Coastal Storm Risk Management

FDOT – Florida Department of Transportation

FEMA – Federal Emergency Management Agency

FIND – Florida Inland Navigation District

HMGP – Hazard Mitigation Grant Program

Glossary of Terms

HSP – High Service Pump

I&I – Infiltration (groundwater) and Inflow (stormwater)

LPRO – Low-pressure Reverse Osmosis

MCC – Motor Control Center

PVC – Polyvinyl Chloride

SCADA – Supervisory Control and Data Acquisition

USACOE – United States Army Corps of Engineers

VCP –Vitrified Clay Pipe

VIC –Visitor's Information Center

WTP – Water Treatment Plant

WWTP –Wastewater Treatment Plant

CIP Project Information

Additional Questions and Commission Discussion



TRANSPORTATION IMPROVEMENT PROGRAM

FY 2025/26 – 2029/30

DRAFT

ST JOHNS COUNTY

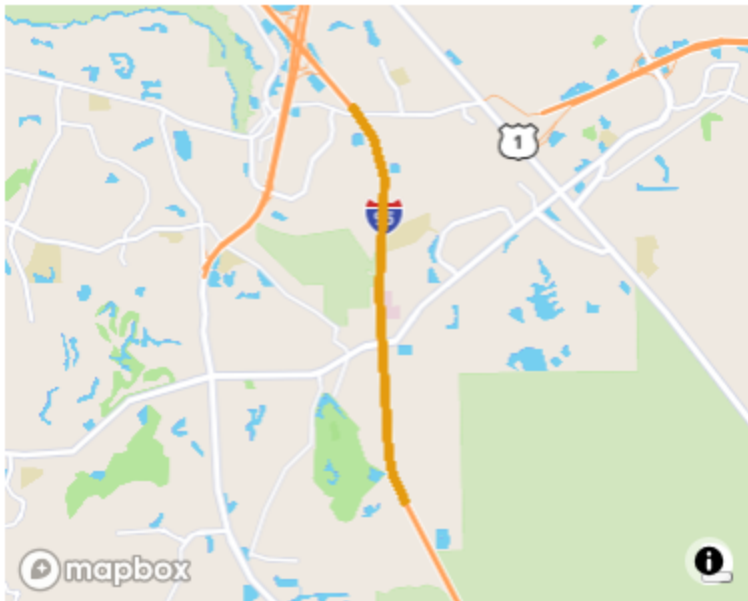
RESPONSIBILITY

Developed annually, the Transportation Improvement Program (TIP) is the short-range transportation plan for the urbanized area.

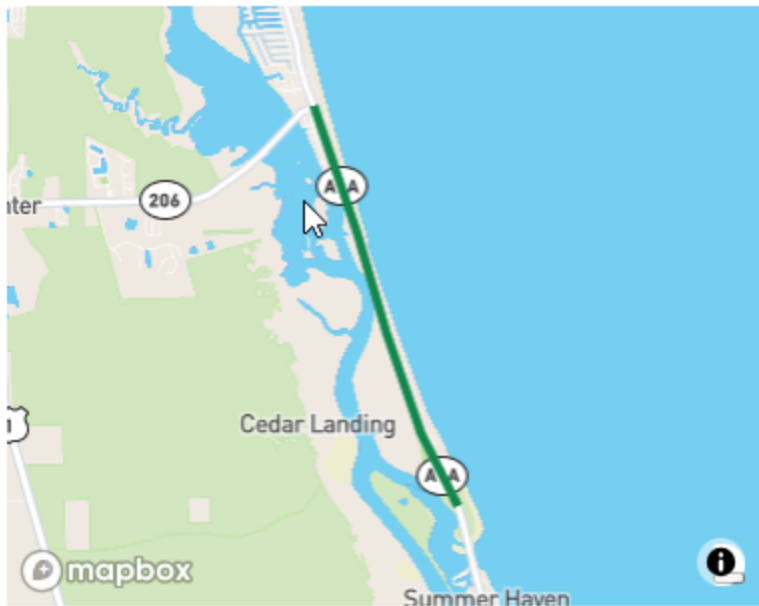


St Johns County



4240204: I-95(SR9) FROM NORTH OF THE FCE INTERCHANGE TO THE DUVAL COUNTY LINE**CONSTRUCTION 2028
RAILROAD / UTILITIES 2028**

Project Type	Lead Agency	Amendment #	LRTP ID
Add Lanes & Reconstruct	Florida DOT	-	421
Total Cost	SIS	Safety Project	Route Length
\$394,271,764	Yes	-	4.682
Project Description			
I-95(SR9) FROM NORTH OF THE FCE INTERCHANGE TO THE DUVAL COUNTY LINE			

4470631: SRA1A FROM FORT MATANZAS TO SR206**CONSTRUCTION 2030**

Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
848

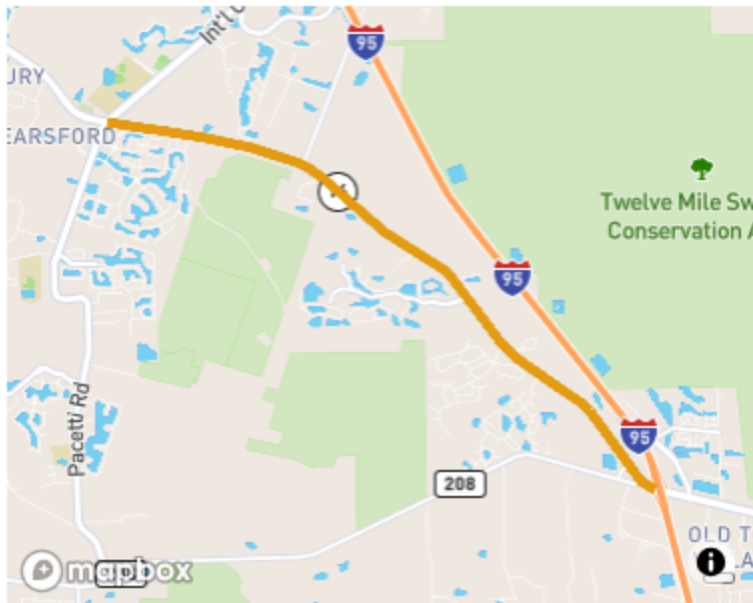
Total Cost
\$11,013,841

SIS
No

Safety Project
-

Route Length
4.284

Project Description
SRA1A FROM FORT MATANZAS TO SR206

2104475: SR16 FROM INTERNATIONAL GOLF PKWY TO I-95(SR9)

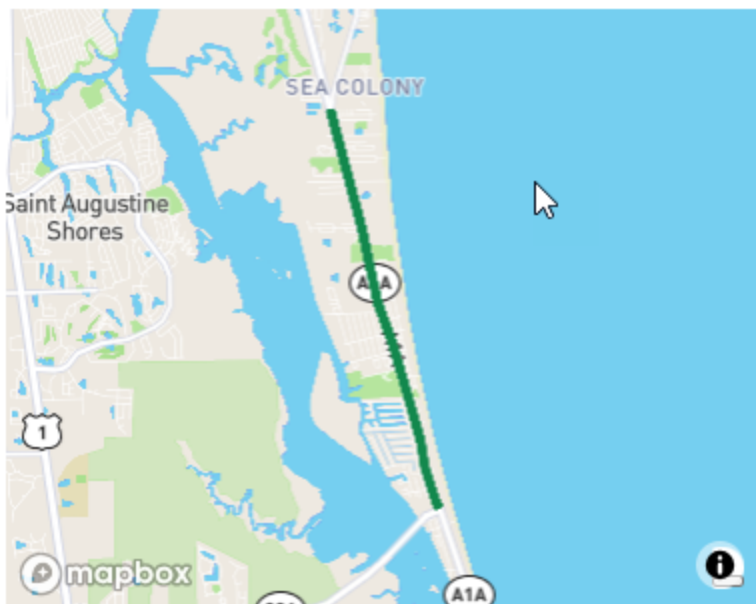
Project Type	Lead Agency
Add Lanes & Reconstruct	Florida DOT

Total Cost	SIS
\$23,260,894	No

Project Description
SR16 FROM INTERNATIONAL GOLF PKWY TO I-95(SR9)

PRELIMINARY ENGINEERING 2026
RIGHT-OF-WAY ACQUISITION 2026-2027

Amendment #	LRTP ID
-	423
Safety Project	Route Length
-	5.906

4470621: SRA1A FROM SR206 TO BEACH BLVD**CONSTRUCTION 2029-2030**

Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
845

Total Cost
\$11,633,738

SIS
No

Safety Project
-

Route Length
3.917

Project Description
SRA1A FROM SR206 TO BEACH BLVD

4282712: SR5A(A1A) FROM: BRIDGE OF LIONS TO: CHARLOTTE ST**CONSTRUCTION 2026**

Project Type
Drainage Improvements

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
-

Total Cost
\$48,917,017

SIS
No

Safety Project
-

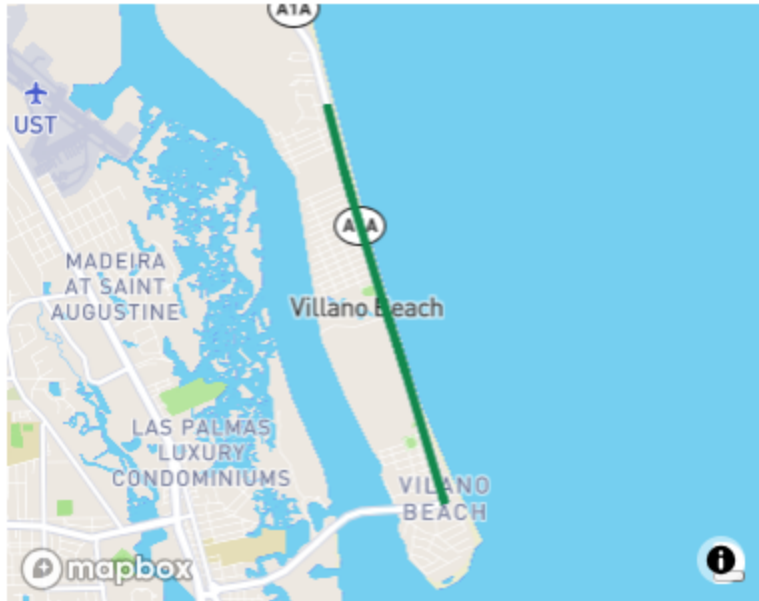
Route Length
0.571

Project Description

SR5A(A1A) FROM: BRIDGE OF LIONS TO: CHARLOTTE ST

4299312: SRA1A(COASTAL HWY) FROM SOUTH OF BEACHCOMBER WAY TO 24TH ST

CONSTRUCTION 2029



Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
-

Total Cost
\$8,262,744

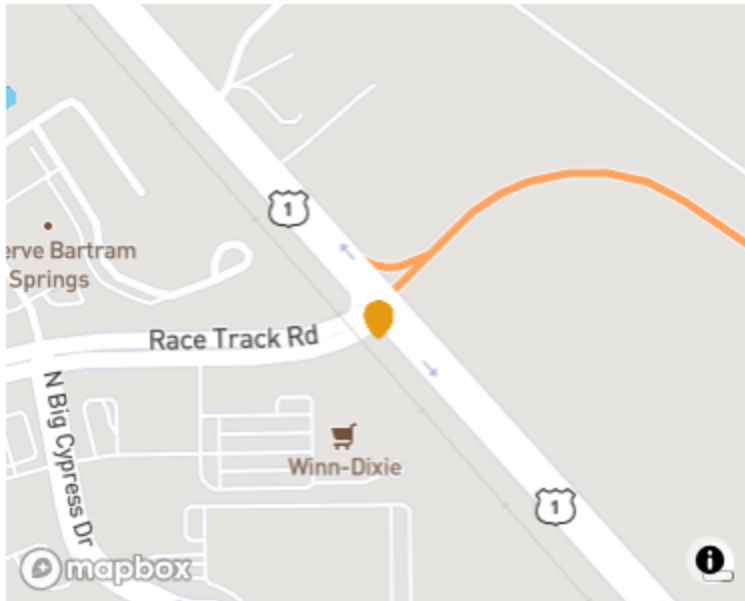
SIS
No

Safety Project
Yes

Route Length
1.636

Project Description

SRA1A(COASTAL HWY) FROM SOUTH OF BEACHCOMBER WAY TO 24TH ST

4412203: RACE TRACK ROAD AT SR5(US1)**CONSTRUCTION 2029**

Project Type	Lead Agency
Intersection Improvement	Florida DOT

Amendment #

LRTP ID

-

-

Total Cost
\$13,146,779

SIS
No

Safety Project

Route Length

-

0.666

Project Description

RACE TRACK ROAD AT SR5(US1)

4470591: SRA1A FROM RED COX DRIVE TO BRIDGE OF LIONS

CONSTRUCTION 2029



Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
833, 834

Total Cost
\$8,076,053

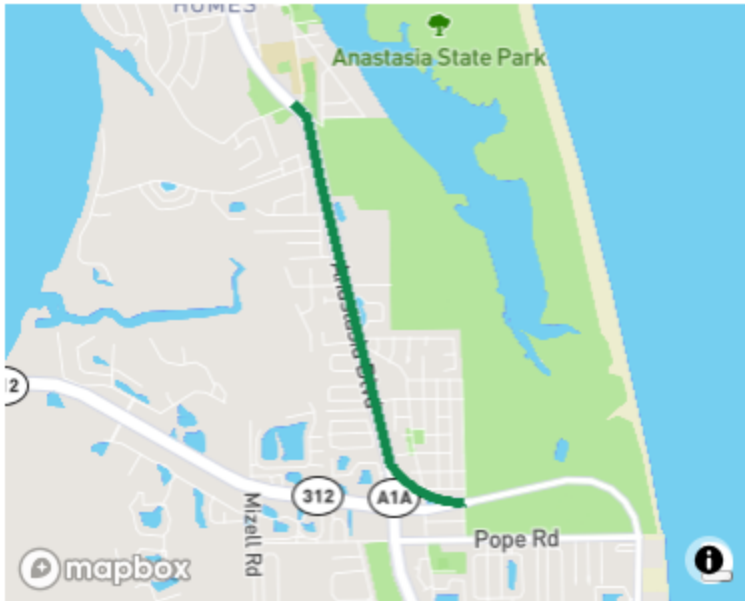
SIS
No

Safety Project
-

Route Length
0

Project Description

SRA1A FROM RED COX DRIVE TO BRIDGE OF LIONS

4470601: SRA1A ANASTASIA STATE PARK FROM POPE ROAD TO RED COX DRIVE**ENVIRONMENTAL 2027
CONSTRUCTION 2027**

Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
846

Total Cost
\$7,590,228

SIS
No

Safety Project
-

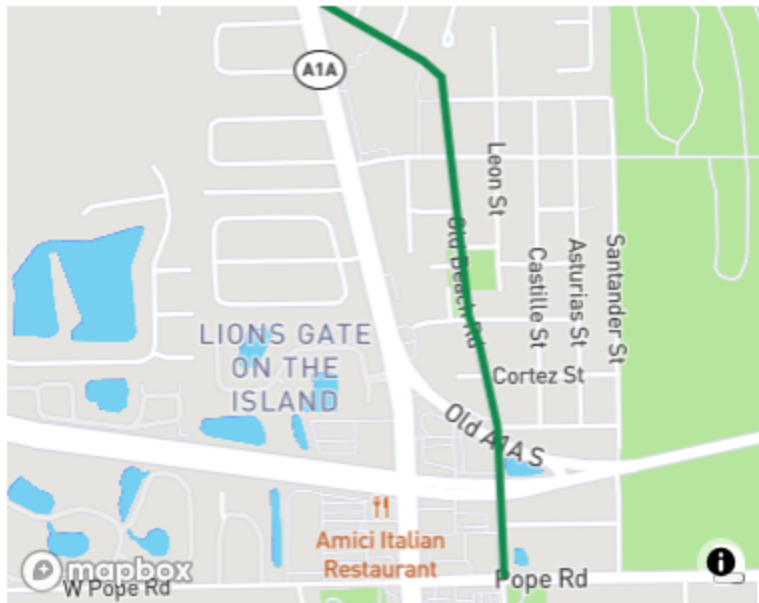
Route Length
1.629

Project Description

SRA1A ANASTASIA STATE PARK FROM POPE ROAD TO RED COX DRIVE

4308974: SRA1A(AVENIDA MENENDEZ) FROM CHARLOTTE ST TO W END OF BRIDGE OF LIONS**CONSTRUCTION 2028**

Project Type	Lead Agency	Amendment #	LRTP ID
Intersection Improvement	Florida DOT	-	-
Total Cost	SIS	Safety Project	Route Length
\$12,605,789	No	-	0.256
Project Description			
SRA1A(AVENIDA MENENDEZ) FROM CHARLOTTE ST TO W END OF BRIDGE OF LIONS			

4470611: BEACH BLVD FROM POPE ROAD TO SRA1A**CONSTRUCTION 2027**

Project Type
Bike Path/Trail

Lead Agency
St. Johns County BOCC

Amendment #
-

LRTP ID
844

Total Cost
\$4,165,431

SIS
No

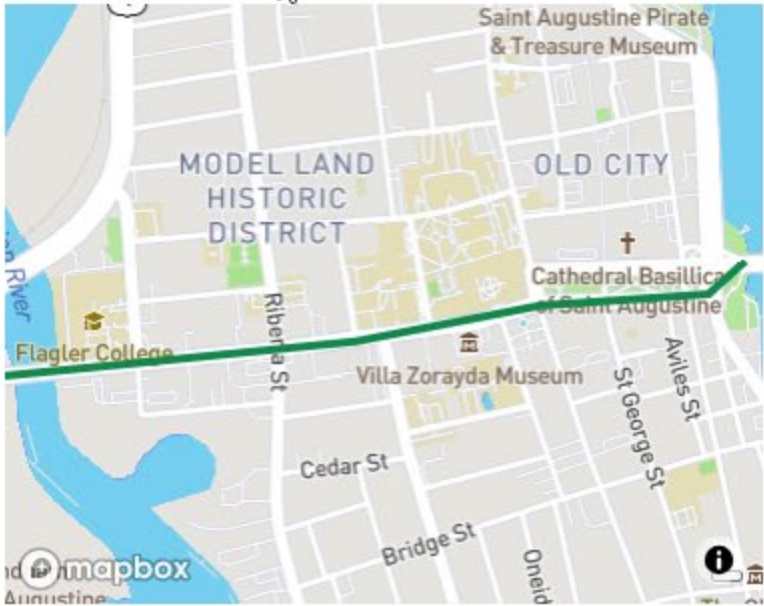
Safety Project
-

Route Length
0

Project Description
BEACH BLVD FROM POPE ROAD TO SRA1A

4470582: KING STREET FROM US1 TO BRIDGE OF LIONS

CONSTRUCTION 2029



Project Type
Bike Path/Trail

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
-

Total Cost
\$3,672,203

SIS
No

Safety Project
-

Route Length
0

Project Desription
KING STREET FROM US1 TO BRIDGE OF LIONS

13 - AREA WIDE (CLAY/STJOHNS)

4229387: SR23(FIRST COAST XWAY) FROM EAST OF CR16A (SPUR) TO EAST OF CR209

DESIGN/BUILD 2026



Project Type
New Road Construction

Lead Agency
Florida DOT

Amendment #
-

LRTP ID
405

Total Cost
\$661,662,769

SIS
Yes

Safety Project
-

Route Length
6.503

Project Description

SR23(FIRST COAST XWAY) FROM EAST OF CR16A (SPUR) TO EAST OF CR209

Project 4229387 MAP



CIP Project Information

Previously Completed Projects

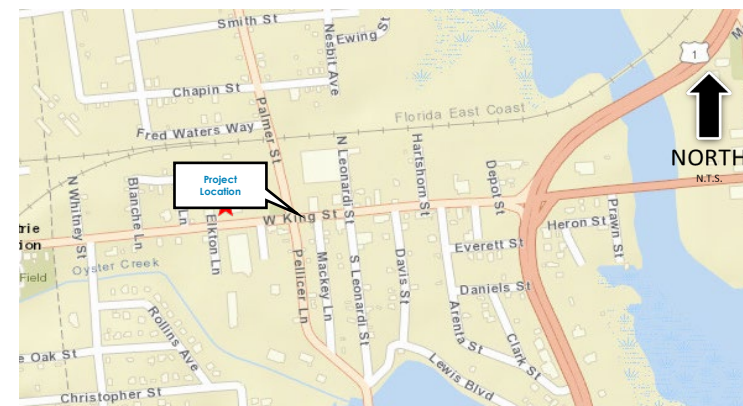
CIP Project Information Sheet

Water Treatment Plant High Service Pump Motor Control Center and Emergency Generator Replacement

The Water Treatment Plant's (WTP) High Service Pump (HSP) Motor Control Center (MCC) is a critical component of delivering potable water to the distribution system. The existing MCC has reached end of life and does not provide fail safe distribution of potable water in the event of a power outage or surge. This project will completely replace the existing MCC and will be housed inside a climate-controlled environment. Variable frequency drives, programmable logic controllers, and human machine interfaces and control panels with annunciators, alarms, cable, and conduit will be installed. Additionally, a new emergency generator will be installed with an automatic transfer switch.

- Funded by bank loan and R&R funds
- Construction is complete.

Design Cost:	\$ 80,010
Construction Cost:	\$ 2.5 M
Project Status:	Complete
Construction Duration:	2022 – 2025



CIP Project Information Sheet

FY25 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
25	Bridge St	MLK St	Avenida Menendez	4209	Old City South		x	x	x	
25	Marine St	St. Francis St	Hedrick St	2223	Old City South		x	x	x	
25	Martin Luther King Jr Ave	King St	Bridge St	1130	Lincolnville			x	x	
25	Chapin St	N Whitney St	Nesbit Ave	1370						
25	Sebastian Harbor Dr	King St	Riberia St	1005	Lincolnville	x	x	x	x	
25	Cordova St	St. Francis St	St George	1230	Old City South		x	x	x	
25	Sanford St	Cedar St	St Francis	1045	Lincolnville			x	x	
25	Rollins Ave	South Whitney St	Christopher St	854	Oyster Creek			x	x	
25	Evergreen Ave	Palmer St (western most)	Florida Ave	736	Ravenswood		x	x		
25	Madeore St	City Boundary	S Dixie	895						
25	Spring St	Evergreen Ave	Fred Waters Way	787	Ravenswood			x		
25	South St	Washington St	Marine St	750	Old City South			x	x	
25	Desoto Pl	Martin Luther King Jr Ave	Granada St	700	Lincolnville				x	
27	Eastman St	Madeore St	Anderson St	690	Oyster Creek			x		
27	Isabel St	Private Gate	South Dixie Highway	405	Oyster Creek			x		
25	Tremerton St	Tremerton Pl	South St	300	Old City South					
25	Charlotte St	Cathedral Pl	Treasury St	330	Old Town		x	x	x	
25	Artillery Ln	St. George St	Aviles St	282	Old City South			x	x	
25	Bravo Ln	Aviles St	Avenida Menendez	400	Old City South			x	x	
25	Hopkins St	Isabel St	Madeore St	260						
25	Hedrick St	Marine St	Dead End	126	Old City South				x	

CIP Project Information Sheet

FY24 Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
24	Abbott St	Pine St	Joiner St	933	Abbott Tract				x	x
24	Riberia St	Cerro St	WWTP	1954	Lincolnville			x	x	x
24	Avista Cir	Avista Cir	Avista Cir	1540	North Davis Shores			x	x	x
24	Murat St	Miruela Ave	Inlet Dr	320	North Davis Shores				x	x
24	La Quinta Pl	Riberia St	Martin Luther King Jr Ave	626	Lincolnville			x	x	x
24	St. Francis St	Cordova St	Marine St	786	Old City South			x		x
24	Tremerton Pl	Marine St	Tremerton St	148	Old City South					x
24	Cadiz St	St. George St	Avenida Menendez	636	Old City South		x	x	x	x
24	Rio Vista Dr	Carey St	Dead End	1236	Oyster Creek			x	x	x
24	Arapaho Ave	US 1	Diesel Rd	605	Oyster Creek			x	x	x
24	Red Cox Rd	East Carver St	Anastasia Blvd	1945	Lighthouse			x		x
24	Sanchez Ave	US 1	San Marco Ave	798	North City		x	x		x
24	Matanzas Ave	US 1	San Marco Ave	593	North City			x	x	x
24	Vedder St	Louise St	US 1	367	North City			x		x
24	Locust St	San Marco Ave	Dead End	1092	Abbott Tract			x	x	
24	Osceola St	Pine St	Joiner St	913	Abbott Tract			x		
24	Mulberry St	San Marco Ave	Dead End	1010	Abbott Tract			x		
24	Water St	Shennandoah St	Joiner St	218	Abbott Tract			x		
24	Garnett Ave	US 1	San Marco Ave	691	North City			x		
24	Cunningham Ave	Matanzas Ave	Garnett Ave	281	North City			x		

CIP Project Information Sheet

Wastewater Treatment Plant Headworks Rehabilitation

The Wastewater Treatment Plant (WWTP) is the initial stage of the sanitary sewage treatment process. The headworks screens out trash, rags, and grit before it enters the treatment process, enhancing efficiency of the water treatment process. The headworks is the original 1987 structure. Rehabilitation will consist of replacing the mechanical screen, grit system, control panels, electrical lightening protection and structural concrete improvements. The project will also elevate critical equipment to 12 feet elevation to ensure operational integrity of the headworks in the event of a Category 2 storm surge event.

Construction for this project is funded by city bond proceeds.

Project complete.

APWA Florida project of the year award for wastewater

Design Cost:	\$ 234,500
Construction Cost:	\$ 4.3 M
Project Status:	Complete
Construction Duration:	2022 – 2024



CIP Project Information Sheet

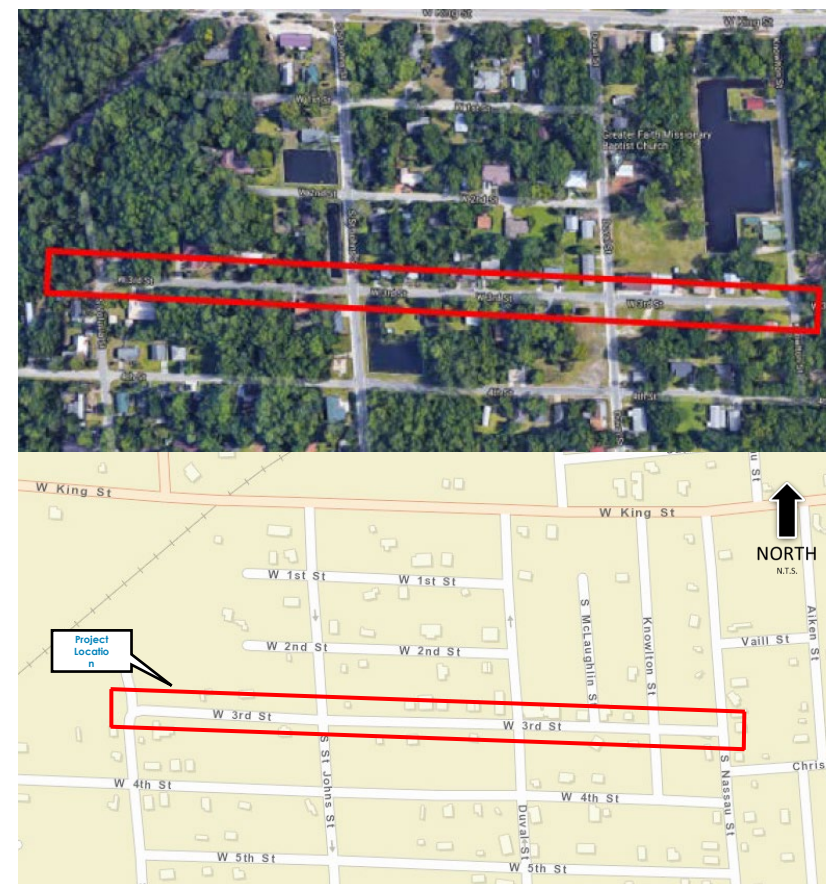
West 3rd Street Gravity Sewer and Water Main Improvements

The West 3rd Street gravity sewer improvements will be an extension of the existing gravity sewer main. Improvements to the water main include replacing the existing 2-inch water main with a 6-inch watermain and tie-in existing water mains to continue a loop system. There will be 28 existing residential homes converted from septic to sewer.

This project is funded by a \$300,000 FDEP grant. FDEP has also provided a \$2.0M grant for Septic to Sewer in West Augustine; to be shared with the Pearl Street sewer project.

28 existing homes connected to sewer

Design Cost:	\$ 60,000
Construction Cost:	\$ 1.7 M
Project Status:	Complete
Construction Duration:	2023 – 2024



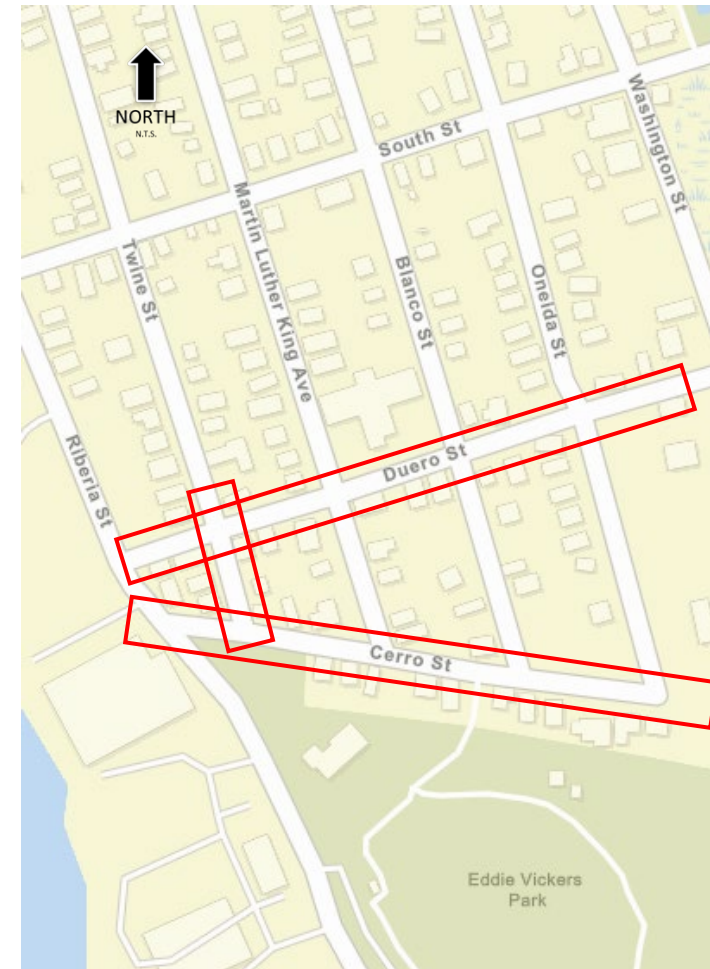
CIP Project Information Sheet

Duero and Cerro St. Stormwater and Utility Improvements

This project will replace and improve utilities along Duero Street, Twine Street, and Cerro Street. Stormwater collection inlets and culverts will be replaced along Duero Street, between MLK Ave. and Blanco Street, and added along Cerro Street. Gravity sewer, water main, and force main improvements will also occur along Duero Street, Cerro Street, and the block of Twine Street between.

Design complete.

Design Cost:	\$ 144,000
Construction Cost:	\$ TBD
Project Status:	Design Complete
Construction Duration:	TBD



CIP Project Information Sheet

Drainage Study for Fullerwood Neighborhood

Conduct a drainage study and model for the Fullerwood Neighborhood focusing on the areas of the neighborhood that do not have an existing stormwater drainage system, to determine options to address nuisance flooding with a focus on rainfall.

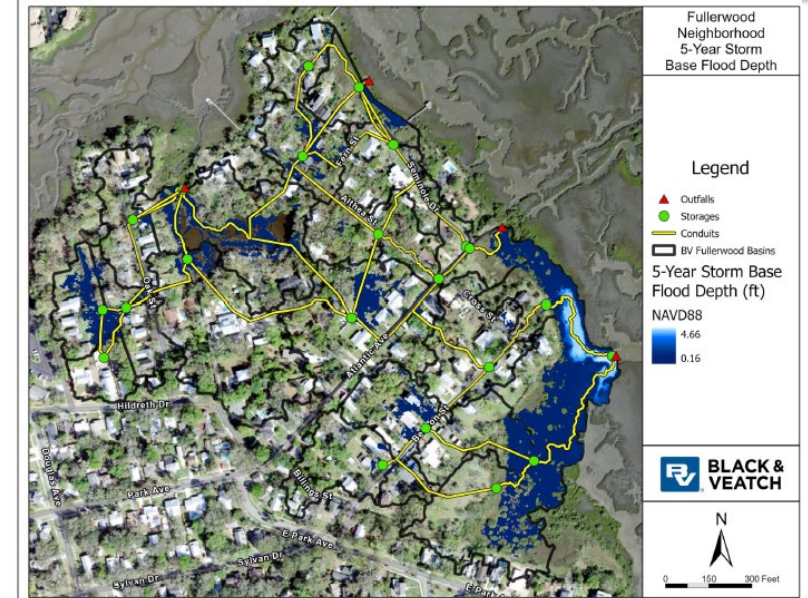
Results from the study include the identification of four stormwater mitigation alternatives. Each alternative incorporates different combinations of stormwater mitigation strategies. A benefit cost ratio (BCR) was determined for each alternative.

Drainage study complete.

Design Cost: \$ 50,000
Construction Cost: \$ TBD
Project Status: Complete
Construction Duration: TBD

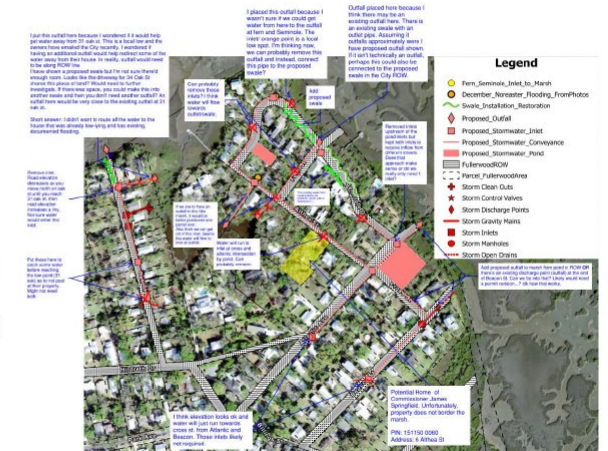
Base & Model Network

5-Year Flood Depth



Multiple Options

- Swales
- Gutter
- Inlets/ Conveyance Pipe
- Stormwater Retention
- Outfalls/ Backflow Prevention
- Minor Berms/ Road Regrading
- Stormwater Pump station



CIP Project Information Sheet

Vulnerability Assessment Update

The City has been awarded FDEP Resilient Florida grant funding (\$500,000) to complete an updated vulnerability assessment that will satisfy the FDEP Resilient Florida Program guidelines and State Statutes (F.S. 380.093). The study will identify vulnerable critical infrastructure and develop grant-fundable adaptation projects to protect the City's most vulnerable infrastructure. The study includes acquiring background data, conducting an exposure and sensitivity analysis, identify focus areas, developing a preliminary adaptation plan, conducting public outreach and steering committee meetings, and producing a final vulnerability assessment report with maps and tables. The second phase of this study is a standalone Adaptation Plan, where grant fundable projects will be further developed. This phase has been recently awarded funding (\$100,000) by FDEP and will begin once the vulnerability assessment is completed.

Study Complete and accepted by FDEP.

Design Cost: \$ 500,000
Construction Cost: \$ TBD
Project Status: Study Complete
Construction Duration: TBD

Vulnerable Asset Prioritization (Draft Results)

Asset Type	Highest	High	Medium	Low	Lowest	N/A	Total
Affordable Public Housing					3	16	19
Bridges		2	2		2	6	12
Colleges and Universities					27	1	28
Community Centers					1	3	4
Conservation Lands			58	25	19		102
Disaster Debris Management Sites			1	1	3		5
Disaster Recovery Centers			1		1		2
Electric Facilities		1		1			2
Emergency Operation Centers					1		1
Fire Stations					1	1	2
Ground Storage Tanks					1	1	2
Health Care Facilities					8	10	18
Historical and Cultural Structure		3	122	514	2,376	684	3,699
Historical and Cultural Structure - High Priority	1	11	37	35	172	295	551
Historical Cultural Site	1	2	3	2	2	1	11
Historical Cultural Site - High Priority	11	16	5	4	3		39
Law Enforcement Facilities					1		1
Lift Stations		20	15	3	28	48	114
Local Government Facilities			3		7	3	13
Marinas		1	6	4	2		13
Military Installations				2	1	2	5
Parks	1		11	16	13	2	43
Radio Communications Towers			2	2	1	3	8
Rail Facilities		1	2		4	2	9
Roads	189	289	125	47	143	83	876
Schools		4	3		41	10	58
Solid and Hazardous Waste Facilities			3	2	3	5	13
Surface Waters						67	67
Waste Water Facilities	1	4		6	10		21
Water Distribution Pumps					2	3	5
Water Supply Wells						16	16
Water Treatment Plants		1	2		2	19	24
Wetlands						337	337
Total	204	355	401	664	2,878	1,618	6,120

CIP Project Information Sheet

Anastasia Boulevard Fire Station and Traffic Improvements

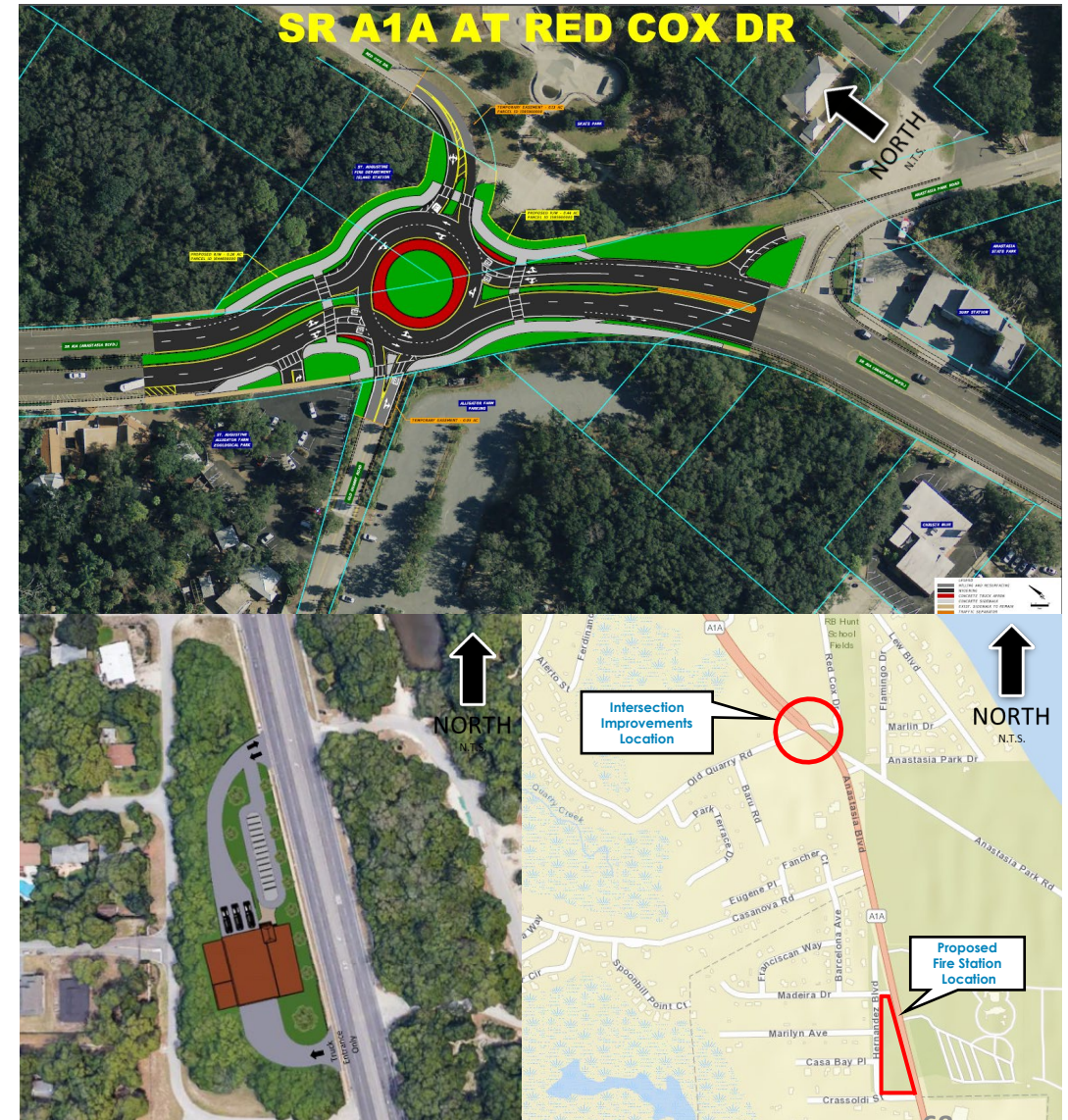
The City will then work with the FDOT to make intersection improvements at Anastasia Boulevard, Red Cox Road, and Old Quarry Road for safety improvements.

\$750k grant for state design

Currently vetting alternative sites for the fire station

Design Cost:
Construction Cost:
Project Status:
Construction Duration:

\$ TBD
\$ TBD
Site Selection
TBD



CIP Project Information Sheet

Wastewater Treatment Plant Effluent Outfall Repair

This project will consist of realigning the 1,600 Ft effluent pipe and diffuser at the City of St. Augustine WWTP. New precast concrete anchor collars would be installed at design intervals for the length of the pipeline. This will support and secure the pipeline for the remainder of the projected asset life.

Completed outfall repairs with revenue funds

Design Cost:	\$ 62,500
Construction Cost:	\$ 1.7 M
Project Status:	Complete
Construction Duration:	3 months



CIP Project Information Sheet

Stormwater Master Plan – Phase 2

With the last stormwater master plan's data being from 2013, several flood events have taken place due to hurricanes, king tides and heavy rainfall. This proposed City-wide study will update the master plan to incorporate recent vulnerability assessments, resilience studies and a comprehensive plan update to better assess the increase in risk from coastal and rainfall driven flooding. This update will fill in data gaps from the previous coastal vulnerability assessment. The master plan will include an updated comprehensive analysis and risk assessment of critical infrastructure for coastal rainfall and compound flooding; needed stormwater ordinance and development code modifications; prioritization of areas needing stormwater improvements for flooding/water quality; benefit and cost analysis for flooding/water quality improvement projects; a public outreach and education; evaluation of funding options; and development of capital improvement projects to vulnerable areas.

This study is currently postponed until the State required Vulnerability Assessment and USACE Back Bay studies are complete, and funding secured.

Design Cost:	\$ 2.0 M estimate
Construction Cost:	\$ TBD
Project Status:	Postponed
Construction Duration:	TBD



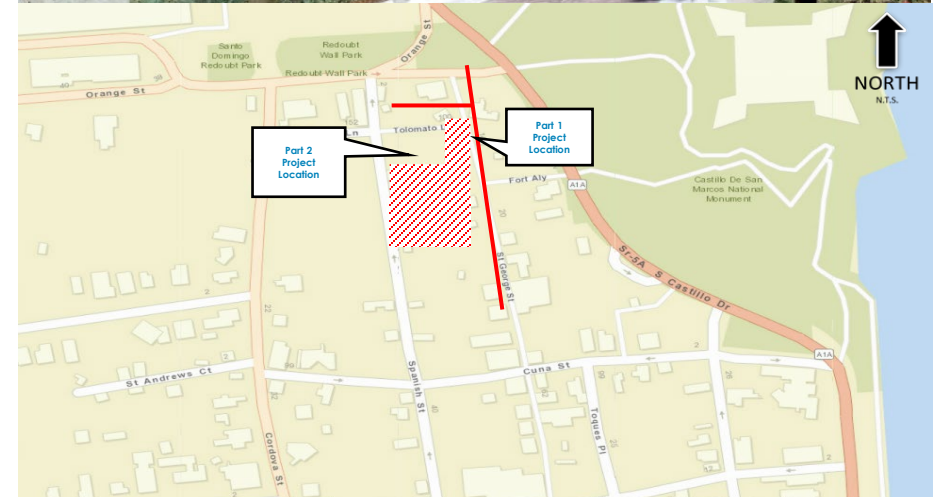
CIP Project Information Sheet

Downtown Improvement District Phase 2A

Phase 2A: Reconstruct Spanish St. (from Cuna St. to Orange St.) and Tolomato Ln (from Spanish St. to Cordova St.) as curb-less streets with coquina sidewalks and brick cart path. Improvements include underground water and sewer upgrades, stormwater pipes, and inlets, road regrading, concrete work, street lighting and landscaping.

Phase 2B: Reconfigure and reconstruct Tolomato Lot to include parking, commercial loading zones, a trash compactor enclosure and a recycling enclosure. The improvements include concrete pavement, pervious pavers, and loose coquina shell parking surface. Additionally, there is improved lighting, landscaping, bike racks, a perimeter masonry wall and pedestrian connections to Spanish St. Special care is to be taken to protect existing trees that are to remain.

Design Cost:	\$ 200,000
Construction Cost:	\$ 3.4 M - Ph 2A only
Project Status:	Complete
Construction Duration:	2023 – 2024



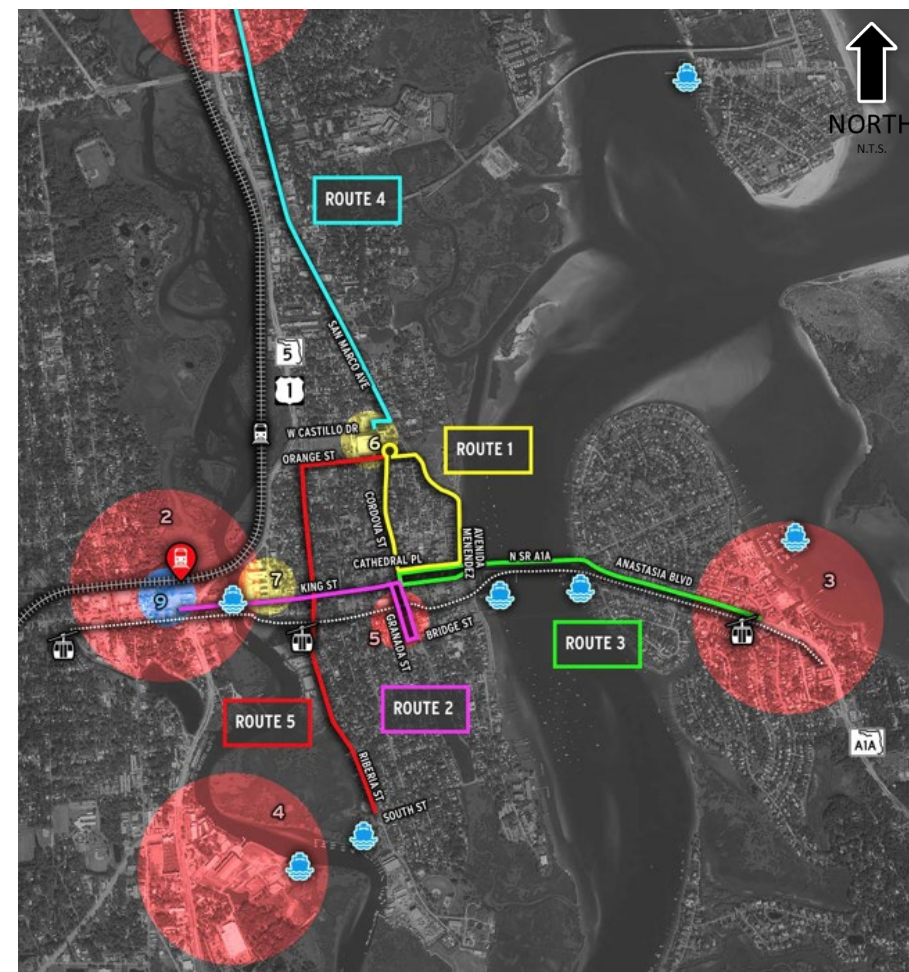
CIP Project Information Sheet

Downtown Circulator – Route 1

This project will operate a bus circulator throughout the city. Beginning in the red brick cul-de-sac at the City of St. Augustine (CoSA) Visitor Information Center (VIC) located at 10 South Castillo Drive, the Circulator will travel south to the intersection of Cordova Street at Orange Street. Then turn left and travel east along Orange Street to South Castillo Drive. Then turn right onto South Castillo Drive and travel in a southeasterly direction to Avenida Menendez and turn right onto Avenida Menendez. Then right on Cathedral Place and right onto Cordova Street heading north back to the VIC. The total travel distance is 1.12 miles, and travel time is estimated to be 15 minutes during normal traffic conditions and should include normal required time for passengers unloading/loading at the 3 Stops. Frequency of Stops are desired to be in 15-minute intervals.

FDOT is providing \$1.0 million operational funding for five years.

Operation Cost:	\$ 1.0 M annually
Construction Cost:	\$ NA
Project Status:	Active
Operation Duration:	5 years



CIP Project Information Sheet

Arricola Ave Force Main HDD

This project will replace and extend the force main between LS-51 and 52 in South Davis Shores. The existing cast iron force main stops short of LS-52 and discharges into a manhole on Solano Ave. This has caused SSOs (sanitary sewer overflows) at the manhole on Solano. This project will improve our utility, harden the collection and transfer of wastewater, and eliminate SSOs. Design and construction of this project is funded by city bond proceeds.

Design Cost: \$ 181,000
Construction Cost: \$ 620,000
Project Status: Construction
Construction Duration: April 2022 – May 2022



CITY OF ST. AUGUSTINE
 FEMA 13 Lift Stations Rehabilitation and Arricola
 Avenue Force Main

Arricola Force Main UPCOMING WORK

SUMMARY

In 2016 Hurricane Matthew storm surge damaged 13 lift stations. After repairing them, the City began investigating upgrading them given the threat of future storm events. The lift station improvements will include a proactive approach to future storm damage. The City will elevate the electrical control panels to account for 500-year flood events and storm surge, and the City will upgrade the wet wells' concrete ballast to resist buoyant forces. **The City is combining the necessary repairs of the lift stations with a new wastewater force main underneath Arricola Avenue.**

IMPACT IN YOUR YARD

Work will be occurring within the public right of way, but the City, contractor, and design team understands many yards do extend from private to public property. The contractors have been instructed to restore any sod or mulch areas to match the surrounding sod / mulch type.

A small number of yards will be impacted with the addition of air release valves and enclosures. This is a critical piece of infrastructure that keeps the force main working correctly. These have been carefully planned around the series of driveways and landscape areas, and continued coordination will continue in the field during construction.

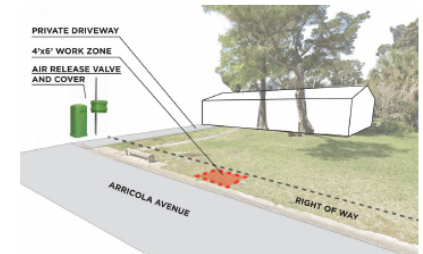
Driveways may be impacted during some times due to laydown of pipe and general coordination. The contractor team is committed to providing access / coordination as much as possible during construction.

WORK TIMELINE

START OF CONSTRUCTION
 Approximately
 March 14, 2022

END OF CONSTRUCTION
 May 2022

IMPACT TIME WITHIN EACH YARD
 1-3 weeks



CIP Project Information Sheet

FEMA 13 Lift Station Rehabilitation and Replacement

These 13 lift stations (LS-4, 5, 6, 7, 10, 11, 12, 21, 22, 50, & 52) were identified as being damaged during hurricane Mathew, and again during hurricane Irma. This project will elevate, rehabilitate, replace, and harden the lift stations against future storms and flooding events. This project is funded through FEMA's Public Assistance program with 75% reimbursable, the State reimbursing 12.5%, and the city's share 12.5%.

Design Cost:	\$ 1.4 M
Construction Cost:	\$ 14.8 M
Project Status:	Complete
Construction Duration:	Sept 2020 – Feb 2023



CIP Project Information Sheet

Lighthouse Park Gravity Sewer Improvements

This project will bring gravity sewer collection systems to the greater Lighthouse Park Neighborhood area. This neighborhood area was identified in the Septic Tank Vulnerability Assessment study as one the top contributors to surface water nitrogen from septic within the city limits. This project will eliminate existing and future onsite septic systems and residential grinder pump connections to force main. The project area is east of Anastasia Blvd between Ocean Way to the north and Anastasia Park Dr to the south. Design for this project is funded by city bond proceeds.

Postponed - Looking at alternative sewer collection systems

Design Cost:	\$ 665,000 estimate
Construction Cost:	\$ 6.7 M estimate
Project Status:	Postponed
Construction Duration:	TBD



CIP Project Information Sheet

Oyster Creek Force Main HDD

This project will replace the existing 8-inch PVC and 6-inch cast iron force mains with a single 12-inch HDPE force main. The new 12-inch force main will be installed via the horizontal directional drill (HDD) method. This work will improve the city's utility and relocate it out the way of future FDOT box culvert work.

Design Cost:	\$ 27,000
Construction Cost:	\$ 334,800
Project Status:	Construction Complete
Construction Duration:	90 days



CIP Project Information Sheet

Parking Pay Station Flood Proofing

The project will provide flood proofing to the parking pay stations along the bayfront and throughout downtown. The project entails building flood proof cases for the parking pay stations that will be deployed prior to flood events.

Ongoing

Design Cost:	\$ NA
Construction Cost:	\$ 70,000
Project Status:	Construction
Construction Duration:	2023 – 2024



CIP Project Information Sheet

Paving Management Plan

FY	Street Name	Begin	End	Approx. LF	Neighborhood	1	2	3	4	5
23	St. George St	St. Francis St	South St	1787	Old City South		x		x	
23	South Dixie Highway	Pellicer Ln	SR207	2688	Oyster Creek	x	x	x	x	
23	Cordova St	King St	Orange St	2040	Flagler Model Land		x	x	x	
23	Carrera St	US 1	Cordova St	2001	Flagler Model Land		x	x	x	x
23	Riberia St	Orange St	Grove Ave	606	Flagler Model Land				x	x
23	North Whitney St	Ravenswood Dr	Chapin St	4497	Ravenswood	x	x	x	x	
23	Florida Ave	Evergreen Ave	Dead End	1940	Ravenswood		x			
23	Fancher Ct	Casanova Rd	Casanova Rd	870	Highland Manor			x		
23	Eugene Pl	Fancher Ct	Dead End	487	Highland Manor			x		
23	Ocean Vista Ave/Ramp	Red Cox Dr	Dead End	1000	Lighthouse	x		x		x

CIP Project Information Sheet

St. Francis Street Utility Improvements

St. Francis Street currently has a vitrified clay pipe (VCP) gravity sewer collection system that is oversized, shallow-sloped, with cementitious material in the invert of the mains. Sanitary sewer overflows and a collapsed main during trenchless repair qualifies for complete replacement. Project will consist of cast iron water main replacement, gravity sewer replacement, roadway (asphalt or brick) replacement, and stormwater improvements. Adjusting the grade and slope of the gravity sewer main will allow city to continue these hydraulic improvements along Cordova Street with the LMS project.

Design Cost:	\$ 120,000 estimate
Construction Cost:	\$ 1.1 M estimate
Project Status:	Postponed
Construction Duration:	TBD



CIP Project Information Sheet

Stormwater Outfall Tide Check-Valve Master Plan

The City has approximately 103 stormwater outfalls that are tidally influenced, resulting in nuisance flooding of the road infrastructure. To date, the City has retrofitted 43 outfalls with tide check valves to eliminate nuisance tidal flooding. The City has recently completed a master outfall retrofit plan to help prioritize the remaining outfalls. This completed study will be utilized in identifying the next outfalls to be retrofitted under the Resilient Florida awarded grant for Citywide Tide Check Valve Retrofit project.

Design Cost:	\$ 89,900
Construction Cost:	\$ 461,282 estimate
Project Status:	Completed
Construction Duration:	2022



CIP Project Information Sheet

Water Treatment Plant Optimization Study

The City has been in a pilot program to test free chlorine for maintaining residual water distribution system instead of the historically used chloramine. FDEP approved the pilot program and has extended it. Data collected during the pilot program showed promising results with respect to residual chlorine at the end of pipeline while maintaining compliance with disinfection byproduct limits. The City wants to evaluate current operational strategies including those in use prior to the free chlorine pilot program. In addition, the City wishes to develop an Operating Plan moving forward that includes the use of free chlorine disinfection, and to enhance the operating staff's capabilities to understand the operating plan and adjust the plan in response to changing conditions.

Study Cost:	\$ 72,220
Construction Cost:	\$ TBD
Project Status:	Study – Complete
Study Duration:	2023

