Agenda
City of Cocoa
Planning & Zoning Board / Local Planning Agency Regular Meeting

August 6, 2025
6:00 PM
65 Stone Street, Cocoa, FL 32922

I. Opening Matters:

1. Call to Order
2. Pledge of Allegiance
3. Roll Call

II. Approval of Agenda and Minutes:

1. Agenda: Regular Meeting of August 6, 2025.
2. Minutes: Special Meeting of July 9, 2025.

III. Old Business:

IV. New Business:

1. **2025 City of Cocoa Evaluation and Appraisal Report (EAR) Based Amendments**

   Ordinance of the City Council of the City of Cocoa, Brevard County, Florida; adopting amendments to the City of Cocoa Comprehensive Plan based on the City's evaluation and appraisal of the Comprehensive Plan pursuant to section 163.3191, Florida Statutes; providing for the repeal of prior inconsistent ordinances and resolutions, incorporation into the Comprehensive Plan; legal status of the Comprehensive Plan amendments; severability, and an effective date.

V. Tree Board:

VI. Open Discussion:

VII. Other Business:

VIII. Next Meeting Date: Wednesday, September 10, 2025, at 6:00 pm at 65 Stone Street in Cocoa, FL 32922

IX. Adjournment:

General Notice Information:

This is a public meeting. Interested parties are hereby advised that they may appear at said meeting and be heard. The facility wherein this public meeting will be held is accessible to the physically handicapped. In accordance with the Americans With Disabilities Act, persons needing assistance to participate in any of these proceedings should contact the City Clerk of the City of Cocoa, listed below, at least 48 hours prior to the meeting: Monica Arsenault, City Clerk, 65 Stone Street, Cocoa, by telephone at (321) 433-8488 or via email at marsenault@cocoafl.gov.

Pursuant to Section 286.0105, Florida Statutes, the City hereby advises the public that if a person decides to appeal any decision made by the BOA, P&Z Board/LPA or City Council with respect to any matter considered at its meeting or hearing, that person will need a record of the proceedings and for such purpose, affected persons may need to assure that a verbatim record of the proceedings is made, and such record shall include the testimony and evidence upon which the appeal is to be based. This notice does not constitute consent by the City for the introduction or admission into evidence of otherwise inadmissible or irrelevant evidence, nor does it authorize challenges or appeals otherwise not allowed by law.
The BOA or PZ Board/LPA meeting may include the attendance of one (1) or more members of the Cocoa City Council who may or may not participate in the Board discussions held at this public hearing. The BOA, PZ Board/LPA and City Council reserve the right to continue or postpone hearings to a date certain without re-advertising.

Public Participation Information:
Members of the public may view the meeting agenda, ordinances, project applications, supporting documents, and staff reports on the City's website at the following link prior to attending or commenting:

- City of Cocoa meeting calendar at https://www.cocoafl.gov/291/20338/City-Meetings Documents pertaining to the above may also be inspected at the Planning & Zoning Department, between 8:00 a.m. and 5:00 p.m., Monday through Friday, or by phoning (321) 433-8535.

Interested persons may submit their written comments or questions prior to the meeting through Email at cityclerk@cocoafl.gov, or via E-comments through the online agenda at the link above. Any electronic comments submitted will be made part of the meeting record.

Viewing In Real Time. Interested persons may view and listen to the hearings live at the following internet address: https://www.cocoafl.gov/291/20338/City-Meetings The City is not responsible for technical difficulties that may occur while viewing or listening online.

PLANNING & ZONING AGENDA ITEM

Memo Date:	07/17/2025
Agenda Date:	8/6/2025
Prepared By:	Breanna Earley, Assistant City Clerk
Through:	Jennifer Webster, Senior Planner
Requested Action:	Request Board Approval of the Short Agenda for the Meeting on August 6, 2025, either as written or with amendments.

BACKGROUND:
N/A

PRIORITY AREA CONNECTION:

BUDGETARY IMPACT:
N/A

PREVIOUS ACTION:
N/A

RECOMMENDED MOTION:
Request Board Approval of the Short Agenda for the Meeting on August 6, 2025, either as written or with amendments.

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PLANNING & ZONING AGENDA ITEM

Memo Date:	07/17/2025
Agenda Date:	8/6/2025
Prepared By:	Breanna Earley, Assistant City Clerk
Through:	Jennifer Webster, Senior Planner
Requested Action:	Request Board approval of the Minutes from the Planning & Zoning July 9, 2025, Special Meeting, either as written or with amendments.

BACKGROUND:
N/A

PRIORITY AREA CONNECTION:

BUDGETARY IMPACT:
N/A

PREVIOUS ACTION:
N/A

RECOMMENDED MOTION:
Request Board approval of the Minutes from the Planning & Zoning July 9, 2025, Special Meeting, either as written or with amendments.

MINUTES
CITY OF COCOA
PLANNING & ZONING BOARD/ LOCAL PLANNING AGENCY
SPECIAL MEETING
July 9, 2025

A Special meeting of the Planning & Zoning Board Local Planning Agency was held on July 9, 2025, at City Hall, 65 Stone Street, Cocoa, FL, as publicly noted.

I. CALL TO ORDER:

Chairperson Park called the meeting to order at 6:00PM.

ROLL CALL:

Wesley Park	Chairperson
Todd Anderson	Vice Chairperson
Ron Chabot	Board Member
Tamisha Findlay	Board Member
Aleck Greenwood	Board Member
Victoria Jones	Board Member
Katherine Stewart	Board Member
Marcus Wheeler	Board Member
Russell Sengel	Board Member
Keith Wall	Alternate Board Member
Joseph Bachand	2nd Alternate
Kristin Eick	City Attorney

PRESENT:

Wesley Park	Chairperson
Todd Anderson	Vice Chairperson
Russell Sengel	Board Member
Katherine Stewart	Board Member
Aleck Greenwood	Board Member
Marcus Wheeler	Board Member
Tamisha Findlay	Board Member
Victoria Jones	Board Member
Joseph Bachand	2nd Alternate
Kristin Eick	City Attorney

ABSENT:

STAFF PRESENT:

Breanna Earley, Recording Secretary; Jennifer Webster, City Planner; Luci Ribero, City Planner; Charlene Neuterman, Community Services Director; Stockton Whitten, City Manager.

Chairperson Park led the assembly in the Pledge of Allegiance.

I. Approval of Agenda and Minutes:

1. Agenda: Special Meeting of July 9, 2025.

* **MOTION BY VICECHAIR ANDERSON; SECONDED BY BOARD MEMBER STEWART TO APPROVE THE JULY 9, 2025, SPECIAL MEETING AGENDA, POSTPONING THE 2025 EVAULATION AND APPRAISAL REPORT UNTIL THE AUGUST 6, 2025 REGULAR PLANNING AND ZONING MEETING.**

AYES: PARK, ANDERSON, SENGEL, GREENWOOD, WHEELER, FINDLAY, STEWART, JONES

MOTION PASSED UNANIMOUSLY (8-0)

2. Minutes: Regular Meeting of June 4, 2025.

* **MOTION BY BOAD MEMBER WHEELER ; SECONDED BY VICECHAIR ANDERSON TO APPROVE THE JUNE 4, 2025, REGULAR MEETING MINUTES AS WRITTEN.**

AYES: PARK, ANDERSON, SENGEL, GREENWOOD, WHEELER, FINDLAY, STEWART, JONES

MOTION PASSED UNANIMOUSLY (8-0)

II. Old Business:

III. New Business:

1. **PZ25-00500004 2025 Evaluation and Appraisal Report (EAR) 2025, ORD. 05-2025**

Request to postpone an ordinance of the City council of the City of Cocoa, Brevard County, Florida; adopting amendments to the City of Cocoa Comprehensive Plan based on the City's evaluation and appraisal of the Comprehensive Plan pursuant to section 163.3191, Florida Statutes; providing for the repeal of prior inconsistent ordinances and resolutions, incorporation into the Comprehensive Plan; legal status of the Comprehensive Plan Amendments; severability, and an effective date. [Postpone to August 6, 2025, Regular Planning and Zoning Board Meeting at 6pm.]

2. **PZ23-02800005 430 BREVARD AVENUE MIXED-USE DEVELOPMENT AGREEMENT**

Consideration of a Development Agreement approving a conceptual plan to construct an approximately 475,000 square-foot mixed-use project, which shall include not less than 220 upscale rental apartments and commercial and retail on the ground floor and a parking garage. The development agreement is proposed to allow a commercial-mixed use large building type, which may have a maximum height of eight (8) stories, and permit a density of up to 125 dwelling units per acre for the affected property. The property address is 430 Brevard Avenue, Cocoa, Florida, located at the intersection of Brevard Avenue and Church Street, consisting of tax Parcel ID numbers 24-36-33-39-B-11, 24-36-33-39-B-8, and 24-36-33-39-B-7.

Erika Hughes, RVi, presented a PowerPoint for the 430 Brevard Avenue Mixed-Use Development Agreement[1].

Vicechair Anderson, asked how old the building is.

Nick Herring, Framework Group and Applicant, answered.

Charlene Neuterman, Community Services Director, clarified.

Nick Herring, Applicant, presented a PowerPoint providing more information on economic impact[2].

Board Member Greenwood, stated he is impressed with the Framework Group and it's work. He asked about the trees that are currently there.

Nick Herring, Applicant, Framework Group, stated it will be hard to preserve all the trees that are currently there.

Board Member Greenwood, asked about the construction materials.

Nick Herring, Applicant, Framework Group, stated it would be mixed.

Board Member Sengel, stated the Cirrus Apartments took a very long time to develop.

Nick Herring, Applicant, Framework Group, stated they faced many challenges with that build. He stated they will move as fast as possible.

Board Member Sengel, asked about the square footage.

[1] PowerPoint Presentation for 430 Brevard Avenue Development Agreement
[2] Framework Group PowerPoint Presentation for 430 Brevard Avenue Development Agreement

Nick Herring, Applicant, Framework Group, answered.

Board Member Sengel, asked about the Cirrus Apartments and if Framework Group owns it.

Nick Herring, Applicant, Framework Group, stated they do and have a third-party property manager and Framework Group likes to buy, build, and keep.

Board Member Sengel, stated it is not their intent to build and sell.

Nick Herring, Applicant, Framework Group, agreed.

Board Member Sengel, voiced his concerns about the size of this project and its location.

Nick Herring, Applicant, Framework Group, wanted to add this project is only 7 stories.

Board Member Sengel, still has concerns about the location.

Board Member Wheeler, asked about occupancy rates.

Nick Herring, Applicant, Framework Group, stated the Cirrus Apartments occupancy has exceeded their expectations.

Board Member Wheeler, asked about the planning and the expectation in cost.

Nick Herring, Applicant, Framework Group, stated it was too early to tell.

Board Member Greenwood, stated he is uncomfortable with statements regarding what fits in the village and what doesn't. He asked about entrances.

Nick Herring, Applicant, Framework Group, stated there will be one on Church Street.

Board Member Stewart, asked about the rent amounts.

Nick Herring, Applicant, Framework Group, answered.

Board Member Stewart, asked about the market analysis.

Nick Herring, Applicant, Framework Group, stated they have conducted meetings within the community and received support. He addressed the pushback that has also been received regarding the size.

Vicechair Anderson, asked about the structural footing.

Nick Herring, Applicant, Framework Group, stated they don't have those numbers right now.

Vicechair Anderson, asked about anticipated lane closures.

Nick Herring, Applicant, Framework Group, stated their intent is limited impact to day to day operations.

Board Member Findlay, asked about how many parking spots are planned.

Nick Herring, Applicant, Framework Group, referenced their PowerPoint.

Board Member Jones, stated she believes this is an amazing opportunity for Cocoa.

Alternate Member Bachand, asked about the lifespan of the structure.

Nick Herring, Applicant, Framework Group, stated most Framework jobs are wood frame.

Chair Park, stated he wishes there was more parking in Cocoa Village.

* **MOTION BY BOARD MEMBER GREENWOOD; SECONDED BY BOARD MEMBER FINDLAY TO APPROVE THE DEVELOPMENT AGREEMENT FOR 430 BREVARD AVENUE.**

AYES: PARK, ANDERSON, WHEELER, FINDLAY, GREENWOOD, STEWART, JONES
NAY: SENGEL
MOTION PASSED UNANIMOUSLY (7-1)

3. **LPA approval of the changes to the Redevelopment Plans for the Cocoa CRA and Diamond Square CRA and ensure consistency with the Comprehensive Plan**

Recommendation on whether the draft of the updated Cocoa CRA Redevelopment Plan and Diamond Square CRA Redevelopment Plan is consistent with the City's Comprehensive Plan pursuant to the requirements of law.

Laura Martinez, AICP, presented a PowerPoint about the redevelopment plan for the Cocoa CRA and Diamon Square CRA[3].

Vicechair Anderson, asked if there was any talk regarding reopening the dock.

Charlene Neuterman, Community Services Director, stated the area and the dock itself, is owned by the County.

Board Member Jones, asked if there was any community engagement.

Charlene Neuterman, Community Services Director, stated all residents received a

[3] PowerPoint Presentation for the Redevelopment Plans for the Cocoa CRA and Diamond Square CRA

postcard.

* **MOTION BY VICECHAIR ANDERSON; SECONDED BY BOARD MEMBER GREENDWOD TO APPROVE THE COMPREHENSIVE PLAN FOR THE COCOA CRA AND DIAMOND SQUARE CRA.**

AYES: PARK, ANDERSON, SENGEL, GREENDWOOD, JONES, STEWART, WHEELER, FINDLAY

MOTION PASSED UNANIMOUSLY (8-0)

IV. Tree Board:

Chair Park, asked if the loss of oak trees from the Framework Group development will be offset.

A discussion about oak trees was held.

Attorney Eick, stated the Framework Group development will come back before the Board when they get to the site plan portion.

Board Member Findlay, asked about maintenance schedule for city trees.

City Manager Whitten, stated they are on a maintenance schedule.

Board Member Wheeler, spoke about seeing palms in medians being trimmed. He stated he has not seen a maintenance schedule**.**

V. Open Discussion:

Board Member Greenwood, informed the board that the development agreement for the hotel has been approved.

Attorney Eick, clarified that the CRA owns the land and that the development has been approved. There still needs to be a development agreement approved by City Council.

Chair Park, recommended a voucher system for parking within the village. He provided an example where businesses provide parking vouchers to customers.

VI. Other Business:

VII. Next Meeting Date: Wednesday, August 6, 2025, at 6:00pm, at 65 Stone Street in Cocoa, FL

VIII. Adjournment:

* **MOTION BY CHAIR PARK; SECONDED BY BAORD MEMBER WHEELER TO ADJOURN THE MEETING.**

AYES: PARK, ANDERSON, WHEELER, GREENWOOD, FINDLAY, WHEELER, JONES, SENGEL

MOTION PASSED UNANIMOUSLY (8-0)

MEETING ADJOURNED AT 7:28PM.

_____
Wesley Park, Chairperson

Respectfully Submitted By:

_____
Breanna Earley, Recording Secretary

PLANNING & ZONING BOARD/LOCAL PLANNING AGENCY AGENDA ITEM

Memo Date: July 29, 2025
Agenda Date: August 6, 2025
Prepared By: Alexis Crespo, AICP – Planning Consultant
Through: Stockton Whitten – City Manager

REQUESTED ACTION:

Consideration of an ordinance transmitting amendments to the City of Cocoa Comprehensive Plan based on the City's Evaluation and Appraisal of the Comprehensive Plan pursuant to Section 163.3191, Florida Statutes, to the Department of Commerce for Coordinated State Review.

BACKGROUND:

The City's Comprehensive Plan is the long-range framework for the planning of activities that affect the local government – the City's "blueprint" for growth and guiding future decisions. It is the foundation upon which all land use decisions in the City are based.

The principles and strategies contained in the Plan are expressed through goals, objectives, and policies (GOPs), which inform the City's decisions as well as implementing land use regulations. The GOPs in the Plan ensure that the City is prepared to accommodate growth, protects its natural resources and assets, and ensure infrastructure paces with development both today, and in the future.

The City's Plan should provide for sound land use planning from a long-term perspective, which is a minimum of 20 years per Florida Statutes. This includes the provision of public services and infrastructure to maintain and improve the City's natural and built environments and residents' quality of life. The Plan's alignment with the City's vision is critical as it provides the means by which to achieve its goals.

RVi Planning and Landscape Architecture was hired by the City in 2024 to complete an update to the City's Comprehensive Plan ("Plan") to address changes since the Plan's last major update in 2019. The scope of work was strictly limited to the analysis and drafting of amendments required to address mandatory updates per changes to Florida Statutes since 2019. Additional, minor "housekeeping" amendments are also proposed to address current status of plans/studies and maps, and update timeline/deadline references throughout the Plan.

Prior to drafting the proposed amendments to the Plan, a Preliminary Assessment Report was completed to analyze the Plan's compliance with Florida Statutes, attached as Exhibit A. This Report provided a full analysis of the City's demographics profile (existing and projected through the long-range planning horizon), land uses, infrastructure, as well

as an analysis of all the existing Comprehensive Plan goals, objectives and policies for consistency with State law based upon legislative changes since the last update in 2019.

Key findings of the Preliminary Assessment include:

- The long-range planning horizon must be updated from 2030 to 2045 to meet the minimum required 10- and 20-year planning period per Ch. 163.3177(5)(a) – a planning horizon of 2050 is recommended and analyzed;

- The City's population is well-distributed in terms of age, with a high percentage of home ownership at (65%);

- Single-family detached dwelling types represent the vast majority of housing within the City at 66% of total housing stock;

- The City is tracking slightly lower than Brevard County in terms of economic characteristics, such as median household income;

- The City's Future Land Use Map and public infrastructure can accommodate the projected 2050 population of 26,395 persons (a 24% increase from the 2025 population of 21,352);

- The City's Utilities have excess capacity to meet the City's long-term planning needs, and adjustments to Level of Service standards are deemed necessary by the Utilities Department to address increased efficiencies and current data on demand;

- The City has two (2) subdivisions greater than 50 lots that are served by private septic tanks, which require assessment of feasibility to connect to centralized sewer within the 10-year planning period. The City's sanitary sewer system has capacity to serve these subdivisions.

Upon completion of the Report, RVi coordinated with the City Manager, City Attorney, and Staff on the updates to the elements in the Comprehensive Plan. These elements must be reviewed by the Planning and Zoning Board, recommended for action to the City Council, then sent to the Florida Department of Commerce for review. The amendments must be transmitted by October 2025. Following state review, a final hearing before the City Council is required for final adoption of the EAR-Based Amendments within 180 days of receipt of state comments.

PROPOSED TEXT AMENDMENTS:

The following is a high-level summary of the state-required changes to the Plan's goals, objectives and policies (GOPs) per changes in Florida Statute since 2019. These changes are shown in strike-through/underline format based on the current Plan in Exhibit B.

As noted above, the planning horizon is proposed to be extended to 2050 to comply with state law's minimum 20-year horizon. While there are no explicit GOPs that address the planning horizon, the data and analysis of available land and infrastructure addresses the population growth through 2050. Additionally, the planning horizon is proposed for amendment on the Plan's cover page.

Future Land Use Element

- Modify future land use categories to address floating solar facilities
- Modify/remove residential design standards for single-family and two-family dwelling types

Transportation Element

- Updates to jurisdiction assignments per Public Work Department direction

Housing Element

- Modify policies to address Live Local Act and eliminate references to dates that have passed

Sanitary Sewer Element

- Update policies to address current status of plans/studies, and update timeline/deadline references throughout
- Update all specific LOS standards references per Utilities Department direction
- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S.

Solid Waste Element

- No statutorily required changes

Stormwater Element

- No statutorily required changes

Potable Water Element

- Update all specific LOS standards references per Utilities Department direction

Natural Groundwater Aquifer Recharge

- No statutorily required changes

- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S. as linkage to Sanitary Sewer Element policies.

Coastal Management Element

- Update policies to address timeline/deadline references throughout

Recreation and Open Space Element

- No statutorily required changes

Public School Facilities Element

- Updates relating to proportionate fair share payments and concurrency issuance/timing and timeline/deadline references throughout

Conservation Element

- Incorporate by reference updated Water Supply Facilities Work Plan as linkage to Potable Water Element policies
- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S. as linkage to Sanitary Sewer Element policies

Intergovernmental Coordination

- No statutorily required changes

Capital Improvements Coordination

- Update LOS per Public Works Department
- Update Capital Improvements Plan (CIP) to the current FY 2025-2029 CIP

PROPOSED MAP AMENDMENTS:

The proposed Comprehensive Plan map amendments accompanying the text amendments reflect updates since the adoption of the existing comprehensive plan from 2019 and ensure uniformity, generally relating to changes to the municipal boundary and other updated data from regional partners, as follows:

- **Location Map –** Updates City boundary based on annexations occurring since 2019

- **Historical and Cultural Resources Map –** Updates data based on Vulnerability Assessment Data provided by Florida Geographic Data Library and Brevard County Historical Commission “Historical Landmark Guide”

- **Future Land Use Map –** Updates future land use data based on map amendments since 2019

- **Community Redevelopment Areas –** Update to remove US-1 Corridor RDA

- **Energy Conservation Areas Map –** Update based on Mixed-Use and Conservation Areas Since 2019

- **Roadway Jurisdiction Map –** Updates include changes to the City boundary and roads names since 2019

- **Roadway Functional Classification Map –** Updates with input from Public Works for accurate labeling

- **Existing Roadway Performance Map –** Updates road classifications based on Level of Service provided by Public Works

- **Projected Roadway Performance Map –** Updates per data provided by Space Coast Transportation Planning Organization

- **2020 Future Transportation Map –** Updates to reflect 2050 planning horizon and include data provided by Space Coast Transportation Planning Organization

- **Bicycle / Pedestrian Greenway and Blueway Map –** Updates per input form Public Works

- **Coastal High Hazard Area Map –** Updates to reflect latest data and align with data used in the Vulnerability Assessment

- **Coastal Planning Area Map –** Updates to reflect data found in the Vulnerability Assessment

- **Existing Land Use Within the Coastal Planning Area -** Updates to reflect data found in the Vulnerability Assessment

- **Future Land Use Within the Coastal Planning Area** – Updates to reflect latest Future Land Use and Vulnerability Assessment data

- **FEMA Floodplain Within the Coastal Planning Area** – Updates to reflect data provided in the Vulnerability Assessment

- **Surge Hazard Map Within Cocoa City Limits** – Updates with state-provided data via Florida Geographic Data Library

- **City of Cocoa Elementary School Location and Concurrency Area Map** – Updated using latest Brevard County data

- **City of Cocoa Middle School Location and Concurrency Area Map** – Updates using latest Brevard County data

- **City of Cocoa High School Location and Concurrency Area Map** – Updates using latest Brevard County data

- **City of Cocoa Existing School Facilities and Ancillary Plants Map** – Updates in accordance with latest Alcohol Ordinance dataset

- **City Wetland Map** – Updates using data provided in the Vulnerability Assessment and National Wetland Inventory

- **Flood Zones Map** – Updates using data provided in the Vulnerability Assessment and FEMA data

- **General Soils Map** – Updates per UDSA soils survey data

CONSISTENCY WITH COMPREHENSIVE PLAN POLICIES AND OBJECTIVES:

Pursuant to the City's Land Development Regulations Chapter 15, Article II, Sec. 15-11(c) - Comprehensive Plan Amendment Standards, the following shall be considered by Land Planning Agency and City Council:

a. **Whether the proposal favorably or unfavorably impacts the city's budget, or the economy of the region.**

   Staff Finding: The proposed state-mandated EAR-based amendments allow the City's Comprehensive Plan to conform to state laws, and will have no negative impact on the City's budget and/or economy of the region. The amendments do not propose substantive changes to land use, density, intensity or other polices that would have economic impacts. Adoption of these amendments will protect the financial well-being of the City by ensuring comprehensive plan amendments can continue to be transmitted to the Department of Commerce due to compliance with state law.

b. **Whether the proposal will diminish the service level of public facilities.**

   Staff Finding: The proposed amendments update the Level of Services (LOS) throughout the Plan to align with current demands provided by the Utilities and Public Works Departments.

c. **Whether the proposal favorably or unfavorably impacts the environment, or the natural or historical resources of the city or the region.**

   Staff Finding: The amendment will not affect any natural or historical resources, and propose no changes relating to the density, intensity or location of new development.

d. **Whether the proposal is consistent with goals, policies, and objectives of the state comprehensive plan set forth in Chapter 187, Florida Statutes, and the East Central Florida Comprehensive Regional Policy Plan, Florida Administrative Code.**

   Staff Finding: The proposed amendment will improve consistency with the State Comprehensive Plan and East Central Florida Comprehensive Regional Policy Plan through compliance with changes to state law since the last update in 2019.

e. **Whether the proposal will favorably or unfavorably affect the city's ability to provide adequate public facilities, and whether the proposal will reduce the level of service for affected public facilities below the level of service set in the comprehensive pl**an.

Staff Finding: The proposed amendment updates Levels of Service to align with latest available data regarding demand and usage. The amendments will improve the City's ability to provide adequate public facilities and services by increasing accuracy of projected demands and capacity based upon best available data.

f. Whether the proposal is incompatible with surrounding neighborhoods and land uses.

Staff Finding: The proposed EAR-Based amendments do not modify densities, intensities or future land uses. Thus, the amendments will not impact compatibility relating to land uses and neighborhood protection.

g. Whether the proposal will have a favorable or adverse effect on the ability of people to find adequate housing reasonably accessible to their places of employment.

Staff Finding: The proposed amendments do not impact housing supply, as no changes are proposed that impact densities or lands available to accommodate residential growth. The amendments cite the Live Local Act, thereby enhancing the Plan's response to affordable housing needs.

h. If the amendment being requested is consistent with all the elements of the comprehensive plan.

Staff Finding: The proposed amendments are internally consistent and correct any inconsistencies within the elements of the Plan.

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

Staff recommends that the Planning & Zoning Board recommend APPROVAL TO TRANSMIT the proposed Coordinated State Review Comprehensive Plan Text and Map Amendments to City Council.

ATTACHMENTS:

- Exhibit A - Preliminary Assessment including Appendices

- Exhibit B - Proposed Text Amendments
- Exhibit C - Proposed Map Amendments
- Exhibit D - FY 2025-2029 Capital Improvements Plan

ORDINANCE NO. 05-2025

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, SETTING FORTH AMENDMENTS TO THE CITY OF COCOA COMPREHENSIVE PLAN BASED ON THE CITY'S EVALUATION AND APPRAISAL OF THE COMPREHENSIVE PLAN PURSUANT TO SECTION 163.3191, FLORIDA STATUTES; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS; INCORPORATION INTO THE COMPREHENSIVE PLAN; LEGAL STATUS OF THE COMPREHENSIVE PLAN AMENDMENTS; SEVERABILITY; AND AN EFFECTIVE DATE.

WHEREAS, the Florida Legislature intends that local planning be a continuous and ongoing process; and

WHEREAS, section 163.3161, et. seq., Florida Statutes, established the Community Planning Act; and

WHEREAS, consistent with the Community Planning Act, the City Council has adopted the City of Cocoa Comprehensive Plan; and

WHEREAS, as required by section 163.3191, Florida Statutes, the City has conducted an evaluation of its Comprehensive Plan to determine if plan amendments are necessary to reflect changes in state requirements since the last update of the City's Comprehensive Plan, which is required to be evaluated at least once every seven (7) years to assess the progress of implementing the City's Comprehensive Plan; and

WHEREAS, the City Council, after considering the Local Planning Agency's review, comments, and recommendations for amendments to the Comprehensive Plan, desires to adopt the amendments set forth herein; and

WHEREAS, the City Council of the City of Cocoa, Florida, hereby finds this Ordinance to be in the best interests of the public health, safety, and welfare of the citizens of Cocoa.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF COCOA HERBY ORDAINS, AS FOLLOWS:

Section 1. Recitals. The foregoing recitals are true and correct and are fully incorporated herein by this reference.

Section 2. Authority. This Ordinance is adopted in compliance with, and pursuant to, the Community Planning Act, Sections 163.3184 and 163.3191, Florida Statutes.

Section 3. Purpose and Intent. The purpose and intent of this Ordinance is to adopt text amendments to the City's Comprehensive Plan as set forth herein, which are based on the City's

evaluation and appraisal of the Comprehensive Plan conducted pursuant to Section 163.3191, Florida Statutes.

Section 4. **Adoption of Text Amendments to the Comprehensive Plan.** The Cocoa Comprehensive Plan is hereby amended only as specifically enumerated and set forth in **Exhibit A. Exhibits A** is attached hereto and fully incorporated herein by this reference. (Underlined type indicates additions and ~~strikeout~~ type indicates deletions). It is intended that the text in the Comprehensive Plan not specifically enumerated and set forth in **Exhibit A** shall remain unchanged from the language existing prior to adoption of this Ordinance, except where expressly noted.

Section 5. **Transmittal to the Department of Commerce.** The City Manager or their designee is hereby designated to sign a letter transmitting the adopted Comprehensive Plan Amendments to the Florida Department of Commerce for state coordinated review and to any other agency or local government providing timely comments, in accordance with Section 163.3184(4), Florida Statutes.

Section 6. **Repeal of Prior Inconsistent Ordinances and Resolutions.** All prior inconsistent ordinances and resolutions adopted by the City Council of the City of Cocoa, or parts of ordinances and resolutions in conflict herewith, are hereby repealed to the extent of the conflict.

Section 7. **Severability.** If any section, subsection, sentence, clause, phrase, word, or provision of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, whether for substantive, procedural, or any other reason, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of this Ordinance.

Section 8. **Incorporation into the Comprehensive Plan.** Upon the effective date of the Comprehensive Plan Amendments adopted by this Ordinance, said Amendments shall be incorporated into the City of Cocoa Comprehensive Plan and any section or paragraph, number or letter, and any heading or subheading may be changed or modified as necessary to effectuate the foregoing.

Section 9. **Effective Date and Legal Status of the Plan Amendment.** The effective date of the Comprehensive Plan Amendments adopted by this Ordinance shall be pursuant to the state land planning agency's notice of intent. If timely challenged, an amendment does not become effective until the state land planning agency or the Administration Council enters a final order determining the adopted amendment to be in compliance as defined in section 163.3184, Florida Statutes. No development orders, development permits, or land use dependent on these Amendments may be issued or commenced before it has become effective. If a final order of noncompliance is issued by the Administration Council, the Amendments may nevertheless be made effective by adoption a resolution affirming its effective status. After and from the effective date of these Amendments, the Comprehensive Plan Amendments set forth herein shall amend the City of Cocoa Comprehensive Plan and become a part of that plan, and the Amendments shall have the legal status of the City of Cocoa Comprehensive Plan, as amended.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled on the _____ day of _____, 2025.

_____
Michael C. Blake, Mayor

ATTEST:

_____
Monica Arsenault, City Clerk

Approved as to legal form and sufficiency for the City of Cocoa only:

_____
Anthony A. Garganese, City Attorney

Transmittal Hearing: _____
Adoption Hearing: _____
Effective Date: _____

EXHIBIT A

CITY OF COCOA

COMPREHENSIVE PLAN

~~2020- 2030~~ 2025-2050

EAR-BASED AMENDMENTS

Chapter I

Future Land Use

Goal 1.1 through Policy 1.1.1.2 [No changes]

Objective 1.1.2: Location Criteria for Land Uses. Future land use categories and land development regulations shall be consistent with the density and intensity standards in Policy 1.1.1.1 and be based upon the following locational and development standards and criteria:

FIGURE FLU-1

STANDARDS FOR FUTURE LAND USE CATEGORIES

Residential and Conservation Future Land Use Categories:

	Very Low Density Residential	Low Density Residential	Medium Density Residential	High Density Residential	Conservation	Rural Urban Transition
Maximum Density	4 du/acre	7 du/acre[1]	15 du/acre	25 du/acre		1 du/2.5 acres
Allowable Uses	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, Office and Open Space/ Recreational	Conservation and Open Space/ Recreational	Residential, Conservation Open Space/ Recreational, and Agriculture
Applicable Zoning Districts	RE, RA, RR-1, RR-2, RU-1-10, RU-1-7, RU-1-7A, RM-3 and PUD	RU-1-10, RU-1-7, RU-1-7A, RU-2-10 RU-2-15, RM-3, RM-4 and PUD	RU-2-15, RM-4, and PUD	RU-2-15, RU-2-25, and PUD	Not Applicable	RA, RR-1, and RR-2
Maximum Impervious Surface Ratio	.40 .65 w/PUD	.65	.70	.80	.10	.30

FIGURE FLU-1, Continued

STANDARDS FOR FUTURE LAND USE CATEGORIES

Commercial, Industrial, Open Space/Recreational, Institutional and Mixed Use Future Land Use Categories:

	Commercial	Neighborhood Commercial [4,]	Regional Activity Center [5,]	Industrial	Open Space Recreational	Institutional	Mixed Use
Maximum Intensity/ Density	1.0 FAR, 25 du/acre[7]	0.75 FAR, 25 du/acre[7]	0.50 FAR, 25 du/acre, and 45 hotel rooms/acre	1.50 FAR	0.25 FAR	1.0 FAR 25 du/acre	25 du/acre[2,3&9] 1.0 FAR[3]
Allowable Uses[10]	Commercial, Office, Institutional, Residential[8,] and Open Space/ Recreational	Commercial, Residential, Office, Institutional, and Open Space/ Recreational	Commercial, Industrial, Hotel, Office, Residential, Institutional, and Open Space/ Recreational	Industrial and Commercial [6]	Not Applicable	Institutional	Commercial, Industrial, Hotel, Office, Residential, Institutional, and Open Space/ Recreational
Minimum Transportation Access	4 lane collector 2 lane arterial	2 lane collector	2 lane arterial that intersects SR528 or I-95	2 lane collector 2 lane arterial	Not Applicable	Not Applicable	Not Applicable
Applicable Zoning Districts	C-G, C-W, C-P, C-C, P-S, Inst, and PUD	C-N, C-R, R-P, P-S, Inst and PUD	UMD	M-1 and M-2	All Districts	All Districts	CBD, CBD-CVO, C-C, C-N, CR, PS, PUD, RP, UMD
Maximum Impervious Surface Ratio	.90	.80	.95	.75	.25	.65	.95 1.0 in CBD

NOTES FOR FIGURE FLU-1:

1. Maximum density may be increased up to 12 du/acre as part of a planned residential development or planned redevelopment activities (*Policy 1.1.2.3.C*).
2. An additional 5 units per acre may be achieved if residential units are developed as part of a vertical mixed use project.
3. Maximum FAR in the Cocoa RDA is 2.0 and a bonus may permit up to an additional 2.5 FAR in the Central Business District outside the Cocoa Village Overlay sub-district. An additional 25 units per acre may be achieved in certain areas within the Cocoa RDA.
4. Four (4) acre maximum land area for new Neighborhood Commercial and one (1) acre maximum site land area.
5. Minimum land area of 50 acres and minimum cumulative gross floor area of 500,000 sqft. for all structures.
6. Commercial uses that are complementary to and support industrial development and operations.
7. Maximum residential density shall be 25 du/acre, except where reduced by the underlying zoning district regulations.
8. Residential uses shall be permitted only where allowed in the underlying zoning district.
9. Notwithstanding the base level maximum density stated in the above chart and Notes 2 & 3, the maximum density may be increased by the City Council for certain approved redevelopment projects on properties designated Cocoa Village and South End Subdistrict with a Commercial/Mixed Use Large (CL) building type on the Cocoa Waterfront Overlay District Regulating Plan pursuant to Policy 1.1.2.6.
10. Floating solar facility" as defined in Section 163.32051, F.S., shall be permitted in all future land use categories subject to applicable land development regulations in the Code of Ordinances.

Policy 1.1.2.1 through Policy 1.1.2.2 [No changes]

Policy 1.1.2.3: Low Density Residential (LDR). Low-density residential areas are neighborhoods of single family detached housing, limited multiple family attached housing and limited clustered single family attached housing. Institutional, open space and recreational uses are also allowed in this category. The following criteria shall be used for determining appropriate locations for low density residential areas.

A. Low-density residential areas shall be buffered from the nuisance effects of higher intensity uses and major traffic corridors.

B. Low density residential developments should be located in areas where more intensive development would be unwarranted due to environmental constraints, incompatible with surrounding land uses, or where criteria set forth in Paragraph c, below, cannot be met.

C. The City may permit increased densities up to 12 units per acre as part of planned residential development or planned redevelopment activities based on the following criteria:

    1. Redevelopment through rehabilitation and improvement of substandard or deteriorating housing.

    2. For planned redevelopment activities, preservation and improvement of neighborhoods containing affordable single family and multiple family housing, especially where neighborhoods contain vacant lots or abandoned commercial uses.

    3. Use of a variety of building and site designs, housing types and efficient construction techniques that lower construction costs and result in lowering housing cost.

    4. Provide for more efficient use of land and protection of the existing neighborhoods, natural systems, and historic resources.

D. Clustered single family attached housing may be permitted with City Council approval, at a maximum of seven (7) units per acre, provided the development meets at least one of the qualifying criteria, is a deed restricted community, and conforms to the development standards included in the City's land development code and design criteria listed below.

    1. Qualifying Criteria:

        (a) Preservation of environmentally sensitive areas.

        (b) Topographical constraints limiting the developable portion of the land.

2. Development Standards:

(a) Land area and project density standards shall be as follows:
1) Minimum of one (1) acre and no more than seven (7) acres.
2) Minimum of seven (7) dwelling units and no more than forty-nine (49) dwelling units.

(b) A project shall not be located within one-half mile of another project developed under this policy.

(c) A minimum of twenty percent (20%) of gross site acreage shall be developed as useable open space and active recreational facilities.

(d) A minimum of ten percent (10%) of developed units shall be set aside and priced affordably for qualified moderate income level families.

(e) The development project shall provide a fifteen (15) foot landscaped buffer along property lines adjoining single family residential land uses developed with detached housing.

3. Design Standards:

(a) Individual lots, buildings, streets and parking areas should be designed and situated to minimize disruption to the site's natural drainage and topography.

(b) Buildings developed under this policy shall contain no more than five (5) residential dwelling units per building.

(c) To preserve and promote the single family nature of the development project, single family attached housing units shall only be horizontally attached and front facades shall be staggered.

(d) Each dwelling units shall vary architecturally so that each presents a distinct and unique appearance as a single family residential unit. Not more than three units per building and no two adjoining units shall have the same architectural appearance and style.

(e) Buildings shall be finished on all sides with permanent finished materials of consistent quality. Major exterior surfaces of all primary structures shall be face brick, architectural concrete, glass, stucco, synthetic stucco, decorative block, or stone.

(f) To the extent that the above design standards constitute "building design elements" as defined in Section 163.3202, F.S., such design standard may not

be applicable to single-family and two-family dwellings as provided in Section 163.3202, F.S.

4. Development Agreement. The City Council may require a development agreement as a condition of approving any clustered, single family attached housing project. Said agreement shall memorialize all conditions and safeguards deemed necessary by City Council and shall be recorded in the public records of Brevard County as a binding covenant on the subject property.

Policy 1.1.2.4 through Policy 1.3.3.2 [No changes]

Chapter II

Transportation

Goal 2.1 through Objective 2.1.1 [No Change]

Policy 2.1.1.1: The City shall maintain for the purpose of issuing building permits and development orders the following ~~list of major roadway facilities~~ Level of Service (LOS) standards for City-maintained roadways in accordance with Objective 2.1.2 and Florida Statutes, and coordinate with appropriate agencies relating to the LOS standards for roadways within the City maintained by other governmental entities.

City of Cocoa Jurisdictional Roadways	Minimum LOS
Forrest Avenue	E
Cox Road (within city limits)	E
Fiske Boulevard (from SR 520 to Dixon Boulevard)	E
Indian River Drive (C.R. 515)	E
Peachtree Street (from Clearlake Road to U.S. 1/S.R. 5)	E
Florida Avenue (within city limits)	E

Other or Multi-Jurisdictional Roadways	Jurisdiction	Minimum LOS
Pineda Street (from Lake Drive to SR 501)	City/County	E
Michigan Boulevard	City/County	E
Dixon Boulevard	City/County	E
Range Road	City/County	E
Rosetine Street	City/County	E
Adamson Road (SR 524 to Pine)	County	D
Friday Road (SR 524 to SR 520)	City/County	E
Grissom Parkway (Industry to Canaveral Groves)	County	E
Industry Road (SR 524 to Grissom Pwky)	City/County	E
SR 528 (Beachline Expressway)	State	D
SR 520 (from Clearlake Road to U.S. 1/ S.R. 5)	State	D
SR 520 (from SR 524 to Burnett Rd)	State	D
SR 519 (Fiske Boulevard south of SR 520)	State	D
U.S. 1/S.R. 5 (from SR 528 to south of SR 520)	State	D
SR 501 (Clearlake Road)	State	D
Interstate Highway 95 (I-95) (SR 519/Fiske Blvd to SR 520)	State	E
Interstate Highway 95 (I-95) (SR 520 to SR 524)	State	E
Interstate Highway 95 (I-95) (SR 524 to SR 528)	State	E

Policy 2.1.1.2 through Policy 2.1.15.3: [No changes]

Chapter III

Housing

Goal 3.1 through Policy 3.3.1.4 [No changes]

Policy 3.3.1.4: Notwithstanding the above, the City shall implement the Live Local Act pursuant to 166.04151, Florida Statutes.

Objective 3.3.2 through Policy Objective 3.7.1.1 [No changes]

Policy 3.7.1.1: The City shall provide and retain residential land uses at varying densities and locations through comprehensive land use planning and land development regulations for affordable housing to satisfy the projected demand of dwelling units of various types, sizes, and costs ~~by 2022~~, which will be needed to house the City's anticipated population through the planning horizon.

Chapter IV

Sanitary Sewer

GOAL 4.1: The City of Cocoa will provide cost effective and environmentally sound wastewater treatment service to meet existing and projected demands identified in this Plan.

Objective 4.1.1: Maintain Level of Service. Based upon adopted level of service standards, the City shall annually adopt programs and activities to facilitate implementation of a wastewater utility to serve existing and new development as well as ~~areas where septic systems are failing~~ the conversion of septic systems in accordance with Section 1633.177(6)(c)3.

Policy 4.1.1.2: The City adopts the following levels of service for wastewater generation:

Development Type	Wastewater Generation
Industrial	0.02 gallons per sq.ft per day
Office Space	15 gpd per capita
Residential	~~319~~ 280 gallons per day per household
Schools	15 gpd per capita
Hotel/Motel	100 gpd per room
Restaurant	~~50~~ 35 gpd per seat
Bar Lounge	~~20~~ 10 gpd per seat

Policy 4.1.1.3 through Policy 4.1.3.6 [No changes]

Objective 4.1.4: On-site Wastewater Disposal. The permitting and installation of additional septic tanks or package plants within the incorporated city limits will be discouraged or prohibited, except where on-site disposal represents the most efficient cost effective and environmentally compatible alternative, and is consistent with Florida Statutes. That decision will be based on availability of central sanitary sewer facilities and on available technical information regarding soils, groundwater table elevations, subsurface hydrology, percolation rates, state requirements set forth in Section 163.3177(6)(c)3, and other factors.

Policy 4.1.4.1 through Policy 4.1.4.3 [No changes]

~~**Policy 4.1.4.4:** The City will develop a plan to phase-out septic tank use wherever feasible and cost effective.~~

Policy 4.1.4.4: The City has analyzed existing developments of at least 50 residential lots (built or unbuilt) containing more than one onsite sewage treatment and disposal system (OSTDS) per one acre to consider providing sanitary sewer services within a 10-year planning horizon (2035), pursuant to F.S. 163.3177(6)(c)3, provided adequate funding from the State is provided. The following developments of 50 or more residential lots have been identified as having more than one OSTDS per 1 acre:

a. Carleton Terrace containing 205 lots; and
b. Broadview Manor containing 106 lots.

Policy 4.1.4.5: The City is the sewer provider to these subdivisions and has confirmed the feasibility of providing sanitary sewer service within a 10-year planning horizon, provided adequate State funding is provided. The City-owned and operated 3.5 million gallon per day (3.5 MGD) Jerry Sellers Water Reclamation has adequate capacity to serve the sanitary sewer flows from those residential developments identified in Policy 4.1.4.4, subject to adequate State funding. Additionally, the City has identified adequate capacity in the Jerry Sellers Water Reclamation facility through the long-range planning horizon based upon population projections.

Policy 4.1.4.6: The City has analyzed other improvements and confirmed feasibility, including sewer line extensions, lift stations and other infrastructure required to connect the residential developments identified in Policy 4.1.4.4 above. The City will evaluate timing of funding and potential design and construction of these improvements through the Wastewater Capital Plan, provided adequate State funding is provided.

Policy 4.1.4.5~~6~~7: The City will coordinate with Brevard County to support this objective with regard to the enclaves and any areas identified through an urban reserve agreement.

Policy 4.1.4.6~~7~~8: Wastewater package plants will only be allowed in the event that sewer capacity is not scheduled to be available or to satisfy on-site pretreatment required by the City.

Policy 4.1.4.7~~8~~9: The City will adopt an ordinance prohibiting package plants within the incorporated City limits and will coordinate with Brevard County to encourage support of all objectives and policies that are relevant to the enclaves or areas identified through an urban reserve agreement.

Objective 4.1.5 through Policy 4.1.5.3 [No changes]

Chapter V

Solid Waste

[NO CHANGES]

Chapter VI

Stormwater Management

[NO CHANGES]

Chapter VII

Potable Water

GOAL 7.1 through Objective 7.1.1 [No changes]

Policy 7.1.1.1: LOS standards are as follows:

AVERAGE FLOW: ~~122~~ 120 gallons per capita per day (gpcpd) per Equivalent Residential Connection (ERC), or ~~340~~ 310 gallons per day per ERC
PEAK DAILY FLOW: ~~510~~ 465 gallons per day per ERC
PEAK FLOW COEFFICIENT: 1.5
PRESSURE: Normal: 55-65 psi Peak Hour: 40-50 psi During Fire: ~~20~~ 25 psi

Policy 7.1.1.2 through Policy 7.1.8.2: [No changes]

Chapter VIII

Natural Groundwater Aquifer Recharge

[NO CHANGES]

Chapter IX

Coastal Management

Goal 9.1 through Policy 9.1.3.1: [No changes]

Policy 9.1.3.2: The City shall participate in future updates to the Indian River Lagoon Comprehensive Conservation and Management Plan, ~~recently~~ updated in 2008 and will continue to support and implement the action plan items applicable to the City.

Policy 9.1.3.3 through Policy 9.1.6.2 [No changes]

Policy 9.1.6.3: The City shall adopt Brevard County's marina siting criteria by ~~2022~~ 2035.

Policy 9.1.6.4 through Objective 9.2.5 [No changes]

Policy 9.2.5.1: The City shall develop a City specific post-disaster redevelopment plan ~~by 2024~~ by 2035.

Policy 9.2.5.2 through Policy 9.2.8.6: [No changes]

Chapter X

Recreation and Open Space

[NO CHANGES]

Chapter XI

Public School Facilities

GOAL 11.1 through Policy 11.1.2.7: [No changes]

Policy 11.1.2.8: Consistent with Policy 11.1.2.4.C.4, the City and the School District shall provide a 90-day negotiation period to allow for the review and negotiation of proportionate share mitigation proposals offered by a developer.

A. Where mitigation is approved, the City and the School District shall enter into a binding and enforceable agreement with the developer , the improvement(s) will be included in the School District's annually adopted Five-Year District Facilities Work Program, and the improvement(s) will be reflected in the next update to the Capital Improvements Element. The School District shall issue a SCADL indicating capacity is available for development within 30 days after receipt of the developer's legally binding commitment of proportionate-share mitigation. Any proportionate-share mitigation directed toward a school capacity improvement not identified in the 5 Five-Year District Facilities Work Program must be set aside and not spent until such an improvement has been identified.

B. Where mitigation is denied, the City must deny the application for residential based upon insufficient school capacity being available.

C. The City shall not issue any permit(s) for a residential development until receiving confirmation of available school capacity in the form of a SCADL from the School District.

Policy 11.1.2.9 through Objective 11.1.3 ***[No changes]***

Policy 11.1.3.1: The City of Cocoa hereby adopts by reference the School District's Five-Year District Facilities Work Program for the current planning period ~~2018-2019 through 2022-2023, approved on October 23, 2018~~, as updated and amended through the long-range planning horizon.

Policy 11.1.3.2 through 11.2.2.5 [No changes]

Chapter XII

Conservation

[NO CHANGES]

Chapter XIII

Intergovernmental Coordination

[NO CHANGES]

Chapter XIV

Capital Improvements

GOAL 14.1 through Objective 14.1.1 *[No changes]*

Policy 14.1.1.1: The following LOS standards are hereby adopted and shall be used as the basis for determining the availability of public facilities for new development and redevelopment in the City.

<table>
<tr><th colspan="2">PUBLIC FACILITIES</th></tr>
<tr><td>WASTEWATER
Source: Chapter 64E 6.008, Florida Administrative Code; Standard for Onsite Sewage Treatment and Disposal Systems, Revisions Effective July 16, 2013</td><td>
<table>
<tr><td>Development Type</td><td>Wastewater Generation</td></tr>
<tr><td>Industrial</td><td>0.02 gallons per sq.ft per day</td></tr>
<tr><td>Office Space</td><td>15 gpd per capita</td></tr>
<tr><td>Residential</td><td>~~319~~ 280 gallons per day per household</td></tr>
<tr><td>Schools</td><td>15 gpd per capita</td></tr>
<tr><td>Hotel/Motel</td><td>100 gpd per room</td></tr>
<tr><td>Restaurant</td><td>~~50~~ 35 gpd per seat</td></tr>
<tr><td>Bar Lounge</td><td>~~20~~ 10 gpd per seat</td></tr>
</table>
</td></tr>
<tr><td rowspan="3">STORMWATER MANAGEMENT</td><td>DESIGN STORM EVENT
25-year frequency/24-hour duration event</td></tr>
<tr><td>ON-SITE STORMWATER MANAGEMENT
Retention of the first one inch of rainfall runoff for areas of one acre or more; or retention of first one-half inch of rainfall runoff for drainage areas of less than one acre.</td></tr>
<tr><td>STORMWATER QUANTITY
Post development stormwater runoff flow rates, quantities, peaks, and velocities shall be equal to or less than levels that existed prior to development.</td></tr>
<tr><td rowspan="4">POTABLE WATER</td><td>AVERAGE FLOW:
~~122~~ 120 gallons per capita per day (gpcpd) per Equivalent Residential Connection (ERC), or ~~340~~ 310 gallons per day per ERC</td></tr>
<tr><td>PEAK FLOW - 510 gallons per day per ERC</td></tr>
<tr><td>PEAK FLOW COEFFICIENT: 1.5</td></tr>
<tr><td>PRESSURE:
Normal: 55-65 psi
Peak Hour: 40-50 psi
During Fire: 20 25 psi</td></tr>
<tr><td>SOLID WASTE</td><td>DISPOSAL (BREVARD COUNTY LANDFILL)
Cocoa Contribution Rate – 1.2 tons per capita per year</td></tr>
<tr><td>ROADWAYS</td><td>
<table>
<tr><th>City of Cocoa Jurisdictional Roadways</th><th>Minimum LOS</th></tr>
<tr><td>Forrest Avenue</td><td>E</td></tr>
<tr><td>Cox Road (within city limits)</td><td>E</td></tr>
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<tr><td>Peachtree Street (from Clearlake Road to U.S. 1/S.R. 5)</td><td>E</td></tr>
</table>
</td></tr>
</table>

	Florida Avenue (within city limits) | E

Other or Multi-Jurisdictional Roadways	Jurisdiction	Minimum LOS
Pineda Street (from Lake Drive to SR 501)	City/County	E
Michigan Boulevard	City/County	E
Dixon Boulevard	City/County	E
Range Road	City/County	E
Rosetine Street	City/County	E
Adamson Road (SR 524 to Pine)	County	D
Friday Road (SR 524 to SR 520)	City/County	E
Grissom Parkway (Industry to Canaveral Groves)	County	E
Industry Road (SR 524 to Grissom Pwky)	City/County	E
SR 528 (Beachline Expressway)	State	D
SR 520 (from Clearlake Road to U.S. 1/ S.R. 5)	State	D
SR 520 (from SR 524 to Burnett Rd)	State	D
SR 519 (Fiske Boulevard south of SR 520)	State	D
U.S. 1/S.R. 5 (from SR 528 to south of SR 520)	State	D
SR 501 (Clearlake Road)	State	D
Interstate Highway 95 (I-95) (SR 519/Fiske Blvd to SR 520)	State	E
Interstate Highway 95 (I-95) (SR 520 to SR 524)	State	E
Interstate Highway 95 (I-95) (SR 524 to SR 528)	State	E

RECREATION	1.25 acres of developed recreational area per 1000 population

Policy 14.1.1.2: By December 1st of each year the City shall adopt as part of its Capital Improvements Element the Brevard County School District Five Year Work Program approved by the School as part of the School District budget. The City of Cocoa hereby adopts by reference the Five-Year District Facilities Work Program ~~(2018-2019 through 2022-2023) as approved by~~

~~the School Board on October 23, 2018~~ for the current planning period, as approved by the School Board. Included therein shall be planned facilities and funding sources to ensure the level of service standards will be achieved by the end of the five-year period.

Objective 14.1.2 through Policy 14.1.7.8 [No changes]

CAPITAL IMPROVEMENTS ELEMENT IMPLEMENTATION [No changes]

PROGRAMS TO ENSURE THE IMPLEMENTATION OF THE CAPITAL IMPROVEMENTS ELEMENT, GOALS, OBJECTIVES AND POLICIES [No changes]

MONITORING AND EVALUATION [No changes]

City of Cocoa Five-Year Schedule of Capital Improvements
~~FY 2018-2019 through FY 2022-2023~~ FY 2025-2029

Chapter XV

Private Property Rights

[NO CHANGES]

City of Cocoa
Fiscal Year 2025



Adopted Version - 9/17/2024

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CAPITAL IMPROVEMENTS

Capital Improvements: FY 2025-2029 CIP

The Capital Improvement Program (CIP) is a multi-year planning, prioritizing and budgetary tool. It is scheduled over five years and is concerned with proposed capital improvement projects and capital equipment acquisitions. It is prepared consistent with the Capital Improvements Element of the Comprehensive Plan, but it also includes various other capital projects and equipment purchases. It forecasts projects that will require the dedication of substantial resources and aids in the development of financial strategies to accomplish them. Only those projects scheduled during the first year are funded and adopted as part of the City's Annual Budget.

Capital outlay includes capital expenditures and capital improvements. Per City policy, capital expenditures include all machinery, equipment, vehicles and computers costing $5,000 or more and having a useful life of one year or more. These expenditures can be dedicated to acquisitions that range from office furniture and computers to buildings, roads and other infrastructure. A Capital Improvement is a capital expenditure that is $30,000 or more in value and has a useful life of five years or more. They can be both recurring or non-recurring in nature. The purchases can be for new capital assets or for renewal or replacement of assets already in service. A significant non-recurring capital expenditure is defined as one that is $1 million or greater. See “Significant Non-Routine Project” page located later in this section for projects meeting this definition for FY 2025.

Capital Improvement projects may be funded through many sources. General Fund projects may be funded by general revenues. These are composed of ad valorem taxes, public service taxes, franchise fees, state revenue sharing, transfers from the Water and Sewer Utility to pay the City a return on its investment, charges for services and other miscellaneous income. The Water and Sewer Utility charges customers for services, and rates are designed to yield predictable funding for capital improvements and renewal and replacement, in addition to routine personal services, operating and maintenance. The Stormwater Utility is funded by a Non-Ad Valorem Assessment. The Community Redevelopment Agencies collect Tax Increment Funding (TIF) from both the City and Brevard County used to fund capital outlays related to the unique master plans for each CRA. Impact and connection fees collected are dedicated to capital improvements for roads, parks, public safety and the Water and Sewer Utility. Other sources of funding may be obtained as needed. These include debt financing either from long-term debt or from capital leases. External assistance may be obtained through grants or from shared revenue from other local governments.

The program is reviewed to balance available funding with the cost of proposed projects. If funding is found to be inadequate, then projects will be revised to reduce costs, delayed or canceled.
City staff provided the five-year capital improvement plan in project-level detail from FY 2025 through FY 2029. A one-time 10% cost inflation adjustment was included in FY 2025 to recognize the observed increases in capital costs due to economic conditions. For capital expenditures beginning in FY 2025, the CIP includes an annual cost inflation factor of 3.0%, based upon recent and long-term increases observed in the Engineering News Record - Construction Cost Index, to account for inflation in the future cost of construction. The city of Cocoa will continue to review the financial performance of the General Fund on an annual basis and evaluate the adequacy of its revenues to meet ongoing expenses. Doing so will allow for the recognition of updated revenue and expense information, as well as changes in economic conditions. Continual review will allow for consideration of any necessary adjustments in FY 2025 and beyond that will allow the General Fund to meet its requirements and mitigate impacts on taxpayers from future events occurring differently than currently projected.

One of the most important elements of a utility’s financial plan is to ensure that there is continuous reinvestment in existing infrastructure to provide and maintain quality utility services as well as investment in new infrastructure to support new system growth. The city utilized anticipated capital improvement projects for FY 2025 through FY 2029, with assumptions for annual capital spending from FY 2029 through FY 2033. The financial planning process utilized by the city attempts to optimize the funding of the CIP by utilizing any available funding sources to cover the necessary annual renewal & replacement (R&R) projects and meet the need for regulatory-based improvements and system expansion related projects. As such, projects are funded either by existing reserves or annual revenues, transfers from the Revenue Fund to the R&R Fund, existing reserves dedicated to capital (prior debt proceeds, impact fee balances, R&R), or proceeds from future debt.

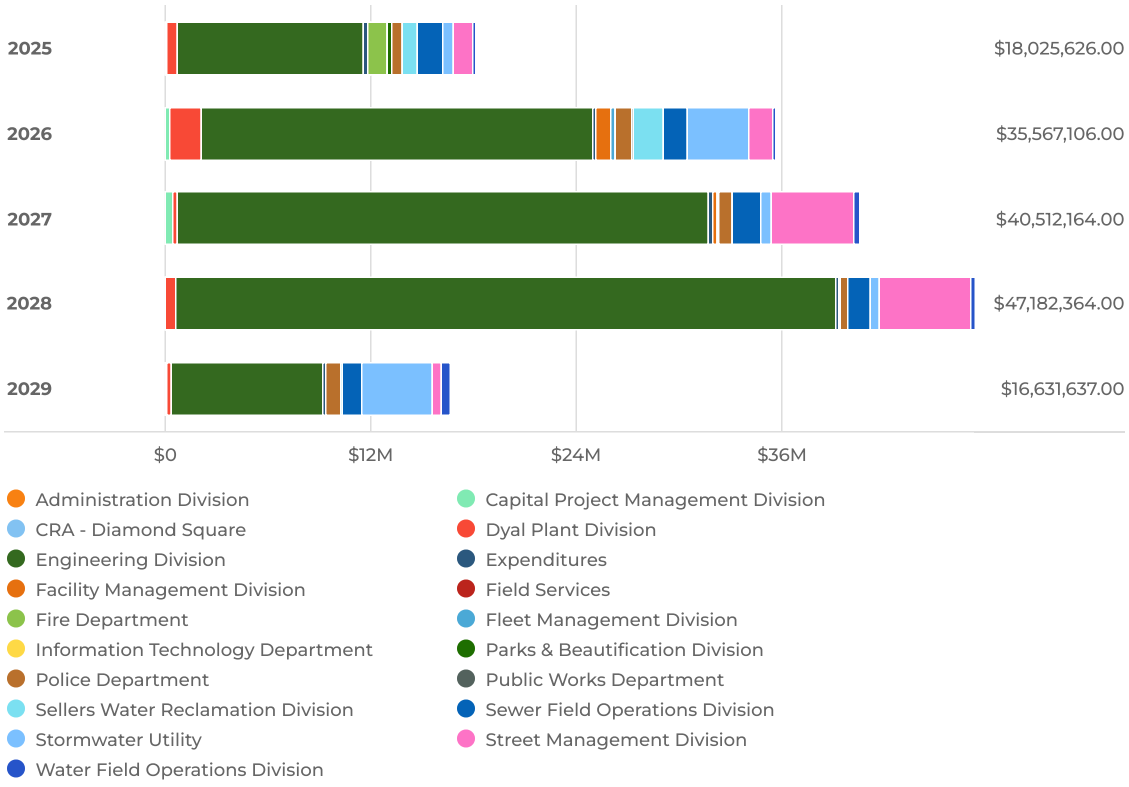
The program is reviewed to balance available funding with the cost of proposed projects. If funding is found to be inadequate, then projects will be revised to reduce costs, delayed or canceled.

Total Capital Requested

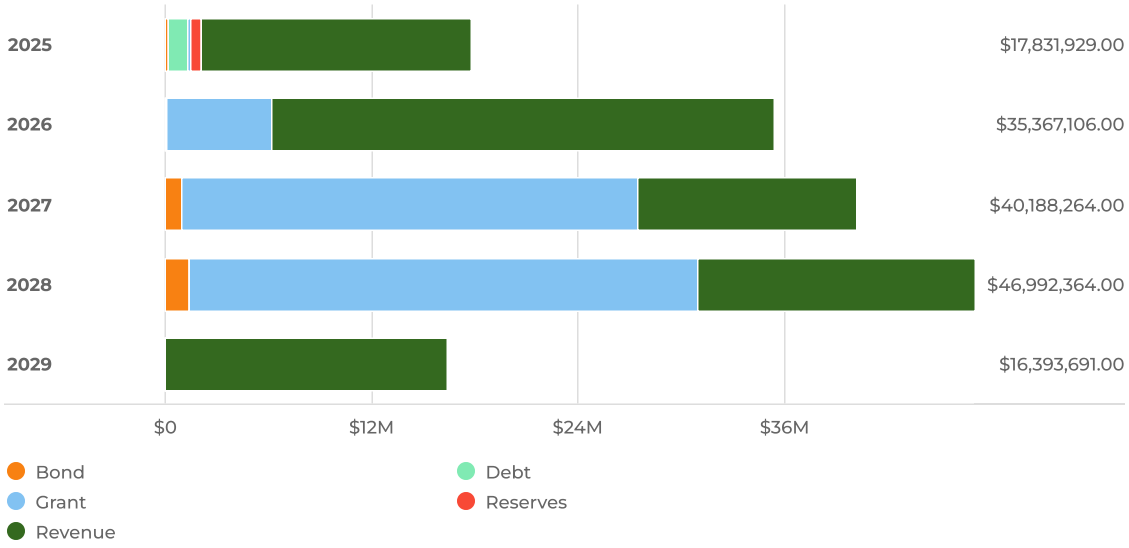
$157,918,897

199 Capital Improvement Projects

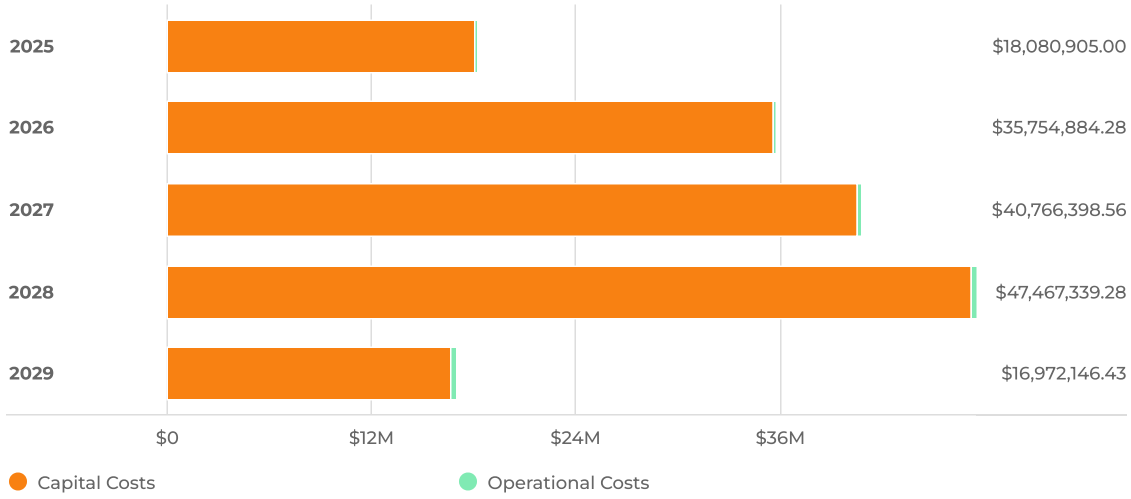
Total Funding Requested by Department



Total Funding Requested by Source



Capital Costs Breakdown



Police Department Requests

Itemized Requests for 2025-2029

Bathroom/Locker Room Renovation	**$80,000**
Replace showers, renovate bathroom/locker room area with new plumbing, toilets, etc.	
PD Drone	**$20,494**
Multi-use drone for the Police Department for high-risk assessments, crime scenes, recruitment, etc.	
Replace PD Boat	**$139,000**
Replace obsolete boat with new boat.	
Replacement marked Vehicle #205	**$90,841**
Replace a marked vehicle, #205.	
Replacement of M2, a marked patrol vehicle	**$28,213**
Replace vehicle M2, a marked patrol vehicle	
Replacement of Marked Crime Scene Vehicle #271	**$97,200**
Replace vehicle #271, a marked Crime Scene van.	
Replacement of marked Patrol Vehicle #270	**$74,153**
Replace 270, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #200	**$74,153**
Replace 200, marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #208	**$84,898**
Replace 208, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #214	**$97,200**
Replace 214, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #215	**$84,898**
Replace 215, a marked patrol vehicle.	
Replacement of marked patrol vehicle #218	**$74,153**
Replace vehicle 218, a marked patrol vehicle.	
Replacement of marked patrol vehicle #220	**$74,153**
Replacement of marked patrol vehicle, vehicle #220	
Replacement of Marked Patrol Vehicle #223	**$84,898**
Replace 223, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #224	**$74,153**
Replace 224, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #227	**$84,898**
Replace 227, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #232	**$74,153**
Replace 232, a marked patrol vehicle.	

Replacement of Marked Patrol Vehicle #234	**$84,898**
Replace 234, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #244	**$65,000**
Replace 244, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #248	**$97,200**
Replace 248, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #252	**$74,153**
Replace 252, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #253	**$92,000**
Replace 253, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #254	**$74,153**
Replace 254, marked patrol vehicle	
Replacement of Marked Patrol Vehicle #261	**$84,898**
Replace 261, marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #263	**$90,841**
Replace 263, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #264	**$97,200**
Replace 264, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #266	**$84,898**
Replace 266, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #272	**$90,841**
Replace 272, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #275	**$97,200**
Replace 275, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #284	**$97,200**
Replace 284, marked patrol vehicle	
Replacement of Marked Patrol Vehicle #288	**$84,898**
Replacement of vehicle 288, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #290	**$97,200**
Replace 290, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #293	**$74,153**
Replace 293, a marked patrol vehicle.	
Replacement of Marked Patrol Vehicle #295	**$99,200**
Replace vehicle 295, a marked patrol vehicle	
Replacement of Marked Patrol Vehicle #M1	**$33,338**
Replace M1, a marked patrol vehicle.	

Replacement of P25 Radios Mobile and Portable	**$598,203**
50 - P25 Mobile Radio Replacements @ $8,111.02 = $405,55129 - P25 Portable Radio Replacements @ $6,643.17 = $192,652	
Replacement of unmarked Patrol Vehicle #211	**$35,405**
Replace 211, an unmarked patrol vehicle.	
Replacement of Unmarked Patrol Vehicle #213	**$33,088**
Replace 213, an unmarked patrol vehicle.	
Replacement of Unmarked Patrol Vehicle #229	**$30,923**
Replace 229, an unmarked patrol vehicle.	
Replacement of Unmarked Patrol Vehicle #250	**$33,088**
Replace 250, an unmarked patrol vehicle.	
Replacement of Unmarked Patrol Vehicle #262	**$30,923**
Replace 262, an unmarked patrol vehicle.	
Replacement of unmarked Patrol Vehicle #237	**$37,883**
Replace 237, an unmarked patrol vehicle.	
Replacement of unmarked Patrol Vehicle #251	**$37,883**
Replace unmarked patrol vehicle #251	

Total: $3,694,125

Fire Department Requests

Itemized Requests for 2025-2029

New Fire Suppression Apparatus (Engine)	**$1,120,000**
The Fire Operations Division has been dealing with a significantly aging reserve fleet causing operational response difficulty as well significant safety concerns and reliability in the older units. Historically, the reserve fleet consists of two...	
Replacement of DC30 Vehicle	**$81,291**
The Fire Department is requesting the purchase of a new District Chief 30 command vehicle that has been utilized for nearly 10 years as a front line emergency response vehicle throughout the community and county. The current in service vehicle is...	

Total: $1,201,291

Street Management Division Requests

Itemized Requests for 2025-2029

2013 Case 590 Backhoe Replacement **$125,000**

Replace 2013 Case 590 Super N Backhoe. This backhoe is currently out-of-service and too expensive to repair.

Annual Street Paving Program **$2,500,000**

Funding for the annual milling and paving of city streets. This includes construction of ADA-compliant curb ramps.

Cox Road Roundabout **$1,100,000**

Cox Road Roundabout at SR 524

Indian River Drive Embankment Stabilization **$950,000**

This project would provide a more resilient coastline and provide an additional factor of safety for the roadway and associated infrastructure.

London Blvd Roundabout **$1,200,000**

London Blvd Roundabout at SR 524

New Cocoa High School Frontage Sidewalk Installation **$340,000**

This project will install a sidewalk in front of Cocoa High from Range to the existing sidewalk on the east side of the high school.

New Wheel Loader **$203,500**

Purchase a new case 621G Z-Bar Wheel Loader.

Pineda St Crosswalk - Across Dixon Blvd **$150,000**

Install a crosswalk to standards on the east side of Pineda Street across Dixon Blvd.

Rehabilitation & Repair of Range Road from City Limits to Rosetine Street - Phase 1 **$550,000**

Rehabilitation & Repair of Range Road from City Limits to Rosetine Street - Phase 1

S.R. 524 South Side Sidewalk Installation **$940,000**

S.R. 524 South Side Sidewalk Installation

SR 524 North Side Sidewalk Installation **$470,000**

NEW SR 524 North Side Sidewalk Installation

SR 524 Safety and Capacity Design **$4,000,000**

S.R. 524 has reached capacity. This will start the design and permitting process for improving capacity to modern design standards.

SRTS - New Cocoa High School Frontage Sidewalk Installation **$340,000**

Safe Routes to School - New Cocoa High School Frontage Sidewalk Installation.

SRTS - Signage **$125,000**

Safe Routes to School - Signage - Cambridge Elementary, Cocoa Jr./Sr. High, Endeavor Elementary, and McNair Middle,

Vehicle #'s 152, 156 & 157 Replacement to one Flatbed **$133,900**

Vehicle Replacement of Vehicles 152 - 2003 International, 156 - 2001 International, and 157 - 2000 International. This replacement request is based on the Vehicle Replacement Listing recommendation.

Total: $13,127,400

Parks & Beautification Division Requests

Itemized Requests for 2025-2029

Kubota loader with grapple	**$72,000**
Kubota loader with grapple, forks and bucket. 4 cylinders, 4 cycle	
Replacement of Beautification Mower	**$15,000**
Replacement Mower	
Replacement of Zero-Turn Mower	**$15,000**
New replacement mower (zero turn) to replace the older mower.	
Replacement Vehicle for 117	**$67,000**
A replacement vehicle for vehicle #117	
Replacement Vehicle for 136	**$48,000**
A replacement vehicle for truck #136	

Total: $217,000

Fleet Management Division Requests

Itemized Requests for 2025-2029

New Mobile Solar Power EV ARC Charging system	**$180,000**
Two MOBILE BEAM EV-ARC https://beamforall.com/product/ev-arc-2020/ - Solar power EV ARC units for the City of Cocoa EV.	
Replacement of Fleet Service Truck Vehicle #109	**$125,900**
2024 Ford F550 Super Cab 4x4 — 9ft Utility Service Body with fully hydraulic underbody tow system, the truck will have a PTO driven hydraulic Hybrid power system with onboard generator / welder and air compressor with high...	

Total: $305,900

Facility Management Division Requests

Itemized Requests for 2025-2029

City Hall Lighting Control Replacement	**$105,000**
To replace City Hall Lighting Control system, replace all control relay panels and all lighting control devices. Test and energize complete system and start-up with programming.	
Fleet Service window Office.	**$58,000**
To construct a Fleet service ticket window office. 10x12 office with walls, electrical,HVAC, insulation, ceiling etc.	
New Scissor lift 19'	**$17,000**
Scissor lift 19' foot electric	
Rehabilitation of Public Works Pole Barn	**$95,000**
Grind all surface rust, clean all metal. Apply rust inhibiting coat to all metal surfaces, apply primer, paint 2 coats of industrial coating.	
Replacement of 1-1 ton HVAC & 2 Exhaust Fans Playhouse	**$17,000**
To replace a 1 ton mini-split & 2 Exhaust fanst at the Playhouse	
Replacement of 1-5 ton HVAC at the Porcher House	**$15,000**
To replace the 5 ton air handler & condenser at the Porcher House.	
Replacement of 1-5 ton unit at Public Works	**$15,000**
To replace a 5 ton air handler and condenser unit at Public Works.	
Replacement of 4-1 1/2 ton units Porcher House	**$19,000**
To replace 4-1 1/2 ton units at the Porcher House	
Replacement of 40 ton unit at the Playhouse	**$300,000**
To replace 1-40ton Aaon RTU	
Replacement of 5 HVAC units Playhouse	**$75,000**
To replace 1-10 ton and 4-5 ton air handler & condenser RTU at the Playhouse	
Replacement of 5 ton HVAC at the Clinic	**$15,000**
To replace a 5 ton unit air handler and condenser.	
Replacement of 5 ton HVAC at the HT Moore Center	**$15,000**
To replace 1 5 ton air handler and condenser at the HT Moore Building	
Replacement of Fuel Pump Canopy	**$85,000**
Materials, equipment and labor to install a new canopy over the fleet fueling system.	
Replacement of HVAC - 3 Aaon Units at Police department	**$225,000**
To replace 2-14 ton & 1-17 ton Aaon units at the police department.	
Replacement of HVAC 2 Mini-Splits at Police Station	**$12,500**
To replace 2 mini splits at the Police Department.	
Replacement of HVAC 3-4 Head Mini-Splits	**$15,000**
To replace 3-4 head mini-splits in the HT Moore center.	

Total: $1,083,500

Capital Project Management Division Requests

Itemized Requests for 2025-2029

New Canopy - Fleet	**$148,000**
To add a canopy to the north side of the Fleet Building.	
New Playground equipment	**$120,000**
New playground equipment for Lee Wenner Park.	
Replacement of Boardwalk at Whitley Bay	**$350,000**
To replace 368 LF of Boardwalk at Whitley Bay	
Replacement of Taylor Park Playground Equipment	**$120,000**
To replace the playground equipment at Taylor Park.	

Total: $738,000

Field Services Requests

Itemized Requests for 2025-2029

Replacement of Vehicle #138 2016 Dodge Caravan	**$49,344**
Replace vehicle for Field Services. This is the shared pool vehicle with Finance.	

Total: $49,344

Administration Division Requests

Itemized Requests for 2025-2029

Replacement of Vehicle #23 2019 Ford Fusion S	**$28,650**
Replacement of Vehicle #23 2019 Ford Fusion S (3FA6P0G72KR218376)	
Replacement of Vehicle #337 2019 Ford Transit Connect	**$41,976**
Replacement of Vehicle #337 2019 Ford Transit Connect (NM0LS7E28K1396571)	

Total: $70,626

Dyal Plant Division Requests

Itemized Requests for 2025-2029

Dyal - Replacement of Scag Mower	**$22,000**
Dyal - Replacement of Scag Mower	
Dyal GW Filter Valve and Rexa Actuator Replacement	**$72,000**
Replacement of the last two of the six actuators for the GW filters	
Dyal MCC Building #12 (2) 1.5 Ton Split System AC Unit Replacement	**$35,000**
Dyal MCC Building #12 (2) 1.5 Ton Split System AC Unit Replacement. Existing refrigerant lines to be flushed and reused.	
Dyal MCC Chemical Building (2) 1.5 Ton Split System AC Unit Replacement	**$37,000**
Dyal MCC Chemical Building (2) 1.5 Ton Split System AC Unit Replacement. Existing refrigerant lines to be flushed and reused.	
Dyal Ozone Electrical Room (1) 2 Ton Split System AC Unit Replacement	**$25,000**
Dyal Ozone Electrical Room (1) 2 Ton Split System AC Unit Replacement to include new copper refrigerant lines	
Dyal Sludge Building #7 (1) 2.5 Ton Split System AC Unit Replacement	**$22,000**
Dyal Sludge Building #7 (1) 2.5 Ton Split System AC Unit Replacement to include return ductwork in 2nd floor Office. Existing refrigerant lines to be flushed and reused.	
New Dyal SCADA Server, OS, Server Software, and UPS Upgrades	**$350,000**
Scheduled equipment, procurement, installation, and testing of the Dyal SCADA server OS, service software, and UPS replacement and improve the storage for GIS at Utilities and CCTV for WFO. Re-purpose existing servers into City use in other...	
New Jockey High Service Pumps	**$1,785,000**
Relocation of HSP 2 and 3 has left open connections for additional HSP. This project proposes to install two new, smaller capacity jockey pumps to improve operational flexibility and reduce energy consumption.	
New Long Cargo/Utility Bed for Truck #45	**$9,000**
New Long-Cargo/Utility Bed for Truck #45 per FLEET recommendation	
Rehabilitation of WS19 Raw Water Well	**$1,250,000**
This project is to assess the scope of well rehabilitation on a case by case basis and implement construction modifications to rehabilitate each well. Each well will be brought back to full discharge capacity and produce high raw water quality.	
Replacement of Vehicle #317 2017 Ford F250	**$59,875**
Replacement of Vehicle #317 2017 Ford F250 (1FTBF2A62HED20988)	
Replacement of Vehicle #319 2018 Ford F250	**$65,360**
Replacement of Vehicle #319 2018 Ford F250 (1FTBF2B61JEC10891)	

Total: $3,732,235

Water Field Operations Division Requests

Itemized Requests for 2025-2029

Replacement of Vehicle #108 2003 Chevy 3500HD	**$86,529**
Replacement of Vehicle #108 2003 Chevy 3500HD (1GBJC34143E241877)	
Replacement of Vehicle #11 2016 Ford F150	**$66,273**
Replacement of Vehicle #11 2016 Ford F150 (1FTEW1C85GFB03143)	
Replacement of Vehicle #154 2009 Ford F450	**$211,234**
Replacement of Vehicle #154 2009 Ford F450 (1FDAF46R89EA70311)	
Replacement of Vehicle #180 2009 Ford F150	**$45,753**
Replacement of Vehicle #180 2009 Ford F150 (1FTRF12W69KB97819)	
Replacement of Vehicle #190 2009 Ford F150	**$46,792**
Replacement of Vehicle #190 2009 Ford F150 (1FTRF12W49KB97818)	
Replacement of Vehicle #27 2016 Ford F250	**$62,247**
Replacement of Vehicle #27 2016 Ford F250 (1FTBF2A65GEB87058)	
Replacement of Vehicle #316 2017 Ford F550	**$117,635**
Replacement of Vehicle #316 2017 Ford F550 (1FD0W5GT8HED20995)	
Replacement of Vehicle #336 2019 Ford F250	**$51,236**
Replacement of Vehicle #336 2019 Ford F250 (1FTBF2A64KEC69520)	
Replacement of Vehicle #351 2017 Ford T150 Cargo Van	**$48,575**
Replacement of vehicle #351 (2017 Ford T150 Cargo Van) Serial # 1FTYE1ZM2HKA94530.	
Replacement of Vehicle #352 2017 Ford T150	**$25,434**
Replacement of Vehicle #352 2017 Ford T150 (1FTYE1ZM4HKA94531)	
Replacement of Vehicle #353 2017 Ford T150	**$25,434**
Replacement of Vehicle #353 2017 Ford T150 (1FTYE1ZM6HKA94532)	
Replacement of Vehicle #380 2018 Ford F550	**$109,182**
Replacement of Vehicle #380 2018 Ford F550 (1FD0W5GY0HEE27941)	
Replacement of Vehicle #381 2018 Ford F550	**$130,270**
Replacement of Vehicle #381 2018 Ford F550 (1FD0W5GY9HEE27940)	
Replacement of Vehicle #81 2000 Sterling LT7500	**$147,673**
Replacement of Vehicle #81 2000 Sterling LT7500 (2FZNALBBXYAG96293)	
Replacement of Vehicle #93 2015 Ford F250	**$62,106**
Replacement of Vehicle #93 2015 Ford F250 (1FTBF2A60FEC99183)	
Water Field Ops - New Guetterman acoustic Listening Device	**$17,242**
Water Field Ops - New Guetterman acoustic Listening Device. This is for our leak detection program.	

Total: $1,253,615

Engineering Division Requests

Itemized Requests for 2025-2029

Camp Road/US 1 Forcemain Replacement **$3,700,000**

Camp Road/US 1 Forcemain Replacement

Dyal CO2 Bulk Tank Replacement **$920,000**

The project includes the removal of two existing steel pressure tanks and replacing them in kind with new steel pressure tanks. The tanks have reached their useful life expectancy and need to be replaced. In FY24 Added new fluoride facility to...

Dyal Ground Water (GW) Filter Washwater Tank Interior Coating **$1,284,000**

Per the latest inspection report of the ground water washwater tank, the interior coating of the tank has reached its useful life and needs to be replaced.

Improvements Dyal Taylor Creek Reservoir Pump Station **$1,375,000**

TCR Pumps are 6 mgd constant speed. The project proposes to install new VFDs and check valves on TCR raw water pumps to improve operational flexibility, allowing the surface water treatment plant to operate more consistently. The project also...

Improvements of Sellers WRF Sludge Thickening **$375,000**

Install rotary drum thickening (RDT) technology and use existing gravity thickener as a thickened sludge holding tank. This project was identified in the 2021 Wastewater Capital Plan.

New Chemical Systems Relocation - Sellers **$784,000**

Relocation of chemical storage and feed facilities to improve operations.

New Pineda Crossing 16" Water Main - Phase II **$14,423,000**

Completion of system loop via construction of 16" WM along Pineda Causeway and A1A from near Patrick AFB to Cocoa Beach.

New Redundant Pipeline Well 11 to 42 **$4,830,000**

This project consists of installing approximately 8,700 LF of 16-inch/12-inch redundant piping starting at Well 11 and terminating at Well 42. The pipe will connect to the existing parallel pipe leading north from Well 11 toward Cocoa Water Plant...

New Sellers SCADA Migration Project **$2,773,059**

This project will allow for operational autonomy of the existing SCADA and IT Networks at the Jerry Sellers WRF. Design was completed in FY22.

New WS09 48-inch Pipeline West of Well 7A to Dallas (Little Econ to Wewahootee) **$27,919,000**

In East Orange County, the City of Cocoa has 48 raw water wells that deliver water to the Dyal plant for advanced treatment and distribution to customers. As the well field has expanded over the years, the raw water mains have been required to...

New WS10 Redundant Pipeline Well 19 to 20 **$1,934,000**

WS10 (Redundant Pipeline: Wells 19 to 20) addresses the needed redundancy between Wells 19 and 20 through the addition of a parallel pipe. This pipe should be sized to accommodate flow from the wells farther south on this line.

New WS11 Redundant Pipeline Well 20 to 23 **$6,322,000**

This project includes installation of approximately 8,300 LF of 24 and 30-inch redundant piping starting at Well 20 and terminating at well 23.

New WS12 Redundant Pipeline Well 23 to 24 **$1,849,000**

Pipeline installation to provide redundancy from Well 23 to Well 24.

Railroad Crossing near Wickham Rd **$2,500,000**

This was work that was not able to be done as part of the Pineda Extension Phase 1 Project. The work consists of a directional drill to connect the Wickham Road transmission main with the western end of the Pineda Phase 1 Project.

Rehabilitation of Sellers WRF Ground Storage Tanks (GST) **$367,000**

Replace GST valve motor operators and rehab the GST structures. Install surge protection and calibration stickers for all GST level transmitters. This project was identified in the 2021 Wastewater Capital Plan.

Rehabilitation of Sellers WRF Tertiary Treatment Structure **$250,000**

Rehabilitation of the concrete structure at the flash and flocculation mix basins to address corrosion concerns. This project was identified in the 2021 Wastewater Capital Plan.

Rehabilitation of Sellers WRF Waste Activated Sludge (WAS) Pump Station & Thickener **$878,000**

Replace WAS Pump No. 2 pump body and demo the existing gravity thickener internal equipment, drive mechanism, and associated electrical components. Resurface the digester tank interior structure and replace the membrane with fine bubble diffusers...

Rehabilitation of Well 1T, 4T, 8T, 17T and 18T **$3,817,000**

Current wells are nearing the end of their useful life. Drilling of replacement wells at 1T, 4T, 8T, 17T and 18T. This project was identified in the 2018 Water Capital Plan.

Replacement & Assessment of Pipe Infrastructure **$10,000,000**

The current water utility system consists of approximately 1400 miles of pipe infrastructure of various sizes, age, and material. As the infrastructure ages, it must be replaced over time. This money is used to replace segments of pipe that were...

Replacement & Upgrade Sellers WRF Belt Filter Press System **$1,517,000**

Replace the existing belt filter presses (BFPs), install new horizontal live bottom conveyors below inclined conveyors to assist with even trailer loading, and replace worn screw conveyor flights. Perform electrical improvements to the dewatering...

Replacement of 14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I **$5,159,000**

Replacement of existing 14"& 18" AC Raw Water pipeline from Well 17 to Approx. Well 15, which has a history of pipe failures, with a new 16" PVC pipe along the same alignment. Installation of in-line isolation valves on an...

Replacement of Lift Station 1 Seawall **$125,000**

The existing seawall is over 50 years old, in poor condition and needs to be replaced.

Replacement of Lift Station 17 **$997,075**

Existing LS 17 is past its useful life and also is in a poor location. This project would relocate the lift station and replace the lift station in its entirety. This would allow for a safer work environment and allow for large work vehicles to...

Replacement of Lift Station 19 **$900,000**

Existing LS 19 is past its useful life and also is in a poor location between two homes. This project would relocate the lift station and replace the lift station in its entirety. This would allow for a safer work environment and allow for large...

Replacement of Sellers WRF Plant Generator **$558,000**

Replacement of Sellers WRF plant generator and installation of a transfer switch to synchronize with the SCADA system for real-time monitoring of generator status. This project was identified in the 2021 Wastewater Capital Plan.

Replacement of Vehicle #126 2016 Ford F150 **$52,797**

Replacement of Vehicle #126 2016 Ford F150 (1FTMF1E82GFB03190)

Replacement of Vehicle #311 2017 Ford F150 **$55,735**

Replacement of Vehicle #311 2017 Ford F150 (1FTMF1E86HFB77455)

Replacement of Vehicle #36 2013 Ford Escape $25,938

Replacement of Vehicle #36 2013 Ford Escape (1FMCU0F72DUC80536)

Replacement of WT63 of Dyal Finished Water Steel GST $4,500,000

This project includes removal of existing steel tank and design and installation of a new 5 MG pressed concrete tank at Dyal.

Sellers Bardenpho Tanks Mixer Upgrades $264,000

Inspect all submerged mixers in Fermentation and First Anoxic basins, and rehab or replace as necessary.

Sellers Clarifier Improvements Project $1,768,400

Evaluate both clarifier mechanisms and the sluice gate in the clarifier splitter box, and replace as necessary. Rehab elevated walkways and access stairs, and recoat the interior clarifier structures. Replace corroded clarifier structure conduits.

Sellers Grit Removal System Upgrades at the Headworks $363,000

Upgrade grit pump, washer, and classifier and rehab the elevated slab at the grit unit.

Sellers RAS/WAS System Upgrades $634,000

Replacement of all four high service pumps (HSPs), motors, and baseplates. Replace motor disconnect and check valve limit switches on all pumps and install calibration stickers and surge protection at the PAR pressure transmitter. Replace all four...

Sellers WRF High Service Pump Station Improvements $643,000

Replacement of all four high service pumps (HSPs), motors, and baseplates. Replace motor disconnect and check valve limit switches on all pumps and install calibration stickers and surge protection at the PAR pressure transmitter. Replace all four...

Surface Water Treatment Plant Chemical Facility Upgrades (FKA New Cal-Flo Tank) $4,040,000

Relocation of Cal-Flo Tanks, Additional Cal-Flo Tank and upgrades to the existing SW chemical facility tanks, building and containment area

Utilities Program Management $3,500,000

The purpose of this project is to provide program management services, including program management/administration, design management, construction project support, asset management and public involvement services in support of funded Cocoa...

WW Capital Plan 5-Year Update $500,000

WW Capital Plan 5-Year Update

Total: $111,903,004

Sellers Water Reclamation Division Requests

Itemized Requests for 2025-2029

Replacement & Upgrade of Sellers WRF Chlorine Contact Chamber	**$65,000**
Inspect the chlorine injection mixer and replace it as needed. Perform general wiring and mechanical cleanup of CCC control panel interior. This project was identified in the 2021 Wastewater Capital Plan.	
Replacement of Sellers WRF Odor Control System	**$155,000**
Replace odor control system components as they will have reached the end of their useful life. This project was identified in the 2021 Wastewater Capital Plan.	
Replacement of Vehicle #12 2006 Ford F150	**$46,219**
Replacement of Vehicle #12 2006 Ford F150 (1FTRF12216NB06043)	
Replacement of Vehicle #96 2013 Ford F150	**$43,163**
Replacement of Vehicle #96 2013 Ford F150 (1FTMF1CM1DFB61383)	
Sellers AC Replacement in MCC Building 1 and 2	**$31,850**
Sellers AC Replacement in MCC Building 1 and 2	
Sellers AC Replacement in MCC Building 5 and 6	**$24,000**
Sellers AC Replacement in MCC Building 5 and 6	
Sellers MCC PLC Replacement	**$530,000**
Additional budget to replace the obsolete MCC PLCs at the Sellers WRF.	
Sellers Replacement of 3 chemical feed pumps	**$16,017**
Sellers - Replacement of 3 existing pumps for alum that are at the end of their useful life.	
Sellers Replacement of existing air compressor	**$8,800**
Sellers - Replacement of the existing primary air compressor for the plant.	
Sellers Replacement of Gas Utility Cart	**$14,178**
Sellers - Replace an existing utility cart per FLEET recommendation.	
Sellers Replacement of Plug Valve	**$7,236**
Sellers - Replacement of a plug valve which isolates Clarifier 1 from the Return Activated Sludge line.	
Sellers Spare Main Breaker for Plant	**$15,537**
Sellers - Replacement of the spare main breaker for the plant. This is a critical piece of infrastructure that has a long lead time to purchase.	
Sellers WRF Air Supply System Upgrades	**$1,800,000**
Install 3 new centrifugal blowers with a canopy and new air piping near the BNR process basins. Perform infrared testing of all circuit breakers due to evidence of short circuit event at blower motor starter control panel.	

Total: $2,757,000

Sewer Field Operations Division Requests

Itemized Requests for 2025-2029

Forcemain Valves Assessment and Replacement Program **$250,000**

Forcemain Valves Assessment and Replacement Program

Improvements to Saint Johns St & Ridgeway Ave Gravity Main **$461,000**

Saint John's St and Ridgeway Ave Gravity Main Improvements, upsize the existing 500 LF from 10-in gravity main to 12-in.This was identified in the 2021 Wastewater Capital Plan.

Lift Station Communication Upgrades **$300,000**

Replacement of radio tower at Sellers that has reached its useful life expectancy as well as other improvements

Rehabilitation & Improvements of Lift Stations **$1,750,000**

Recurring lift station improvements and rehabs of identified lift stations in the 2021 Wastewater Capital Plan. Lift Stations 12, 38, 24, 25, 37, 32, 34, 46, 22, 10, 43, 23, 21, 02, and 18.

Rehabilitation of Gravity Sewer Main (CIPP) **$2,300,000**

Rehabilitation of various gravity sewers with CIPP was selected based on the results of the cleaning and CCTV data.

Rehabilitation of Manhole and Lining **$1,250,000**

This project consists of the rehabilitation and lining of various manholes in the system, based on the 2019 Manhole Evaluation Analysis.

Replacement of Vehicle #147 2014 Ford F450 **$186,889**

Replacement of Vehicle #147 2014 Ford F450 (1FD0X4GY7EEB80890)

Replacement of Vehicle #37 2016 Ford F150 **$56,261**

Replacement of Vehicle #37 2016 Ford F150 (1FTEW1C89GFB03145)

Replacement of Vehicle #57 2016 Ford F450 **$184,419**

Replacement of Vehicle #57 2016 Ford F450 (1FD0X4GT5GEB97291)

Replacement of Vehicle #86 2016 Ford F450 **$107,359**

Replacement of Vehicle #86 2016 Ford F450 (1FD0X4GY7GEB33877)

Replacement Program of Lift Station SCADA Panel RTUs **$136,634**

Replacement Program of Lift Station SCADA RTUs. Replace 10 RTUs per year for 5 years. The current system is outdated and replacement parts are unavailable.

Total: $6,982,562

Stormwater Utility Requests

Itemized Requests for 2025-2029

Annual Cured in Place Pipe Lining	**$800,000**

Cured in place pipe lining for the city's many miles of old metal drainage pipes throughout the city in various areas

Bracco Pond Ditch Pipe Repair	**$125,000**

Repair of collapsed 72" corrugated metal pipe.

Dixon Blvd. and Indian River Drive Resiliency Project	**$4,000,000**

Dixon Blvd. and Indian River Drive Resiliency Project

Indian River Drive Baffle Box	**$360,000**

To meet increasingly strict water quality standards, water quality flowing from IRD to the Lagoon must be improved. Due to limited property, installation of nutrient removal baffle boxes is the only practical way to improve water quality in this...

London Blvd Drainage Ditch Piping	**$335,000**

London Blvd Drainage Ditch Piping

Medium Duty Truck #157	**$133,900**

Medium Duty Truck.

Mini Excavator	**$65,000**

Mini Excavator

Pipe Repair - Cidco Road West of Industry Road	**$65,000**

Pipe replacement that crosses Cidco Road west of Industry Road. Pipe was previously lined but is undermined and failing. Several large Industries are served by this pipe.

Pipe Repair - Indian River Drive at Carmalt Ave	**$50,000**

Repair pipe that is undermined underneath the intersection of N. Indian River Drive and Carmalt Street. Replace Barrier wall, improve embankment and pipe outfall.

Range Road - Drainage Ditch Piping	**$460,000**

Range Rd. is a heavily traveled road between SR520 and Rosetine consisting of residential properties. Presently, there is an open ditch conveyance system that collects stormwater runoff. By piping this ditch, it will reduce maintenance costs and...

Riverfront Park - Drain Field Improvements	**$1,250,000**

The design of this project will allow stored water to be pumped to a media-based filtration system for treatment and no longer require discharge to the city's wastewater system.

Street Sweeper Replacement	**$400,000**

Replacement of Stormwater's street sweeper.

Two Solar Bee Aerators for North Fiske Stormwater Pond	**$150,000**

Solar Bee Pond aerators improve water quality and are part of the City Stormwater Master Plan.

US1 and Forrest Ave Stormwater Facility	**$1,300,000**

This project will design an underdrain system and liner to provide for nutrient removal and management of infiltration. The design will include the second phase of this project, which will treat baseflow from the Bracco Stormwater Pond...

Total: $9,493,900

Expenditures Requests

Itemized Requests for 2025-2029

District 4 Parks County Contract **$1,050,000**

This is the estimate of the money needed/allocated to infrastructure to cover costs when the county contract goes into effect in FY25.

Replacement Vehicle Toyota Camry and VAN **$73,395**

The City Hall Pool Vehicle is in need of replacing due to the vehicle being thirteen years old and in need of repairs. This vehicle is used by staff of multiple departments throughout the City for in-city driving to different work areas and...

Total: $1,123,395

Information Technology Department Requests

Itemized Requests for 2025-2029

Reconfiguration of Completed Fiber Ring for Efficiency and Redundancy **$75,000**

In an effort to ensure our city's digital infrastructure is robust, highly resilient, and equipped to meet the future needs of our community and operations, we propose a strategic upgrade of our existing fiber optic network. This upgrade is...

Upgrade of End-of-Life Network Distribution Switches **$20,000**

The crucial upgrade of our city's network distribution switches, which are now at the end of their life cycle. To maintain the integrity and efficiency of our city's digital infrastructure, it is essential to replace these outdated switches with...

Total: $95,000

CRA - Diamond Square Requests

Itemized Requests for 2025-2029

Concrete Bus Stop Pads **$60,000**

Concrete bus stops to be built where needed in the Diamond Square Community area.

Total: $60,000

Public Works Department Requests

Itemized Requests for 2025-2029

Replace 16 in ground well lights walkways **$31,000**

To replace 16 new LED well lights around City hall's walkways

Total: $31,000

Operational Costs

Department	Title	FY2025	FY2026	FY2027	FY2
Capital Project Management	New Canopy - Fleet	1,000	-	-	-
Capital Project Management	Replacement of Taylor Park Playground Equipment	-	-	1,000	-
Capital Project Management Total		$ 1,000	$ -	$ 1,000	$
CRA - Cocoa	Rehabilitation of Southern Gateway Traffic Circle	2,000	2,000	-	-
CRA - Cocoa	New Lee Wenner Park Harbor Master Building	3,000	3,000	-	-
CRA - Cocoa	Rehabilitation of Lee Wenner Parking	3,000	3,000	-	-
CRA - Cocoa	Harrison Street Streetscaping & Stormwater Drainage	1,000	1,000	1,000	-
CRA - Cocoa	New Dinghy Dock	1,000	1,000	-	-
CRA - Cocoa Total		$ 10,000	$ 10,000	$ 1,000	$
Facility Management	Replacement of 40 ton unit at the Playhouse	-	1,000	1,000	-
Facility Management	Replacement of HVAC - 3 Aaon Units at Police department	-	1,000	1,000	-
Facility Management	Replacement of HVAC 2 Mini-Splits at Police Station	-	1,000	-	-
Facility Management	Replacement of HVAC 3-4 Head Mini-Splits	-	1,000	-	-
Facility Management	Replacement of 5 ton HVAC at the Clinic	-	-	1,000	-
Facility Management	Replacement of Flooring in Fleet Shop/ Bathrooms	1,000	-	-	-
Facility Management	New Stand-by Generator for Clinic	-	-	-	-
Facility Management	New Fleet Building Control Access System	750	750	750	75
Facility Management Total		$ 1,750	$ 4,750	$ 3,750	$ 7
Fleet Management	Replacement of Fleet Service Truck Vehicle #109	1,400	1,600	1,600	-
Fleet Management	New Mobile Solar Power EV ARC Charging system	-	500	500	-
Fleet Management Total		$ 1,400	$ 2,100	$ 2,100	$
Street Management	New wheel loader	-	1,000	1,000	1,0
Street Management Total		$ -	$ 1,000	$ 1,000	$ 1,0
Inventory	Replacement of Forklift for Central Warehouse	1,500	1,500	1,500	1,5
Inventory Total		$ 1,500	$ 1,500	$ 1,500	$ 1,5
Police Department	Replacement of Marked Patrol Vehicle #298	5,614	5,614	5,614	5,6
Police Department	Replacement of P25 Radios Mobile and Portable	49,665	97,041	97,041	97,0
Police Department	Replacement of Marked Patrol Vehicle #246	5,614	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #264	-	-	-	5,6
Police Department	Replacement of Unmarked Patrol Vehicle #237	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #206	5,614	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #223	-	-	5,614	5,6
Police Department	Replacement of Unmarked Patrol Vehicle #211	-	-	-	5,6
Police Department	Replacement of UnMarked Patrol Vehicle #251	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #M1	-	-	-	5,6
Police Department	Replacement of Marked Patrol Vehicle #293	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #284	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #275	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #272	-	-	-	5,6
Police Department	Replacement of Marked Patrol Vehicle #270	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #266	-	-	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #263	-	-	-	5,6
Police Department	Replacement of Marked Patrol Vehicle #261	-	-	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #258	5,614	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #254	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #253	-	-	-	5,6
Police Department	Replacement of Marked Patrol Vehicle #252	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #248	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #205	-	-	-	5,6
Police Department	Replacement of Marked Patrol Vehicle #239	5,614	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #234	-	-	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #232	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #227	-	-	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #244	5,614	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #224	-	5,614	5,614	5,6

Police Department	Replacement of Marked Patrol Vehicle #215	-	-	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #214	-	-	-	-
Police Department	Replacement of Marked Patrol Vehicle #208	-	-	5,614	5,6
Police Department	Replacement of Unmarked Patrol Vehicle #200	-	5,614	5,614	5,6
Police Department	Replacement of Marked Patrol Vehicle #271	-	-	-	-
Police Department Total		$ 83,349	$ 170,023	$ 209,321	$ 248
Stormwater Utility	Replacement of Baffle Box at Riverfront Park	-	-	1,000	1,0(
Stormwater Utility	N. Fiske Stormwater Pond Floating Wetlands Expansion	96,000	96,000	96,000	96,(
Stormwater Utility	New - 2 Solar Bee Pond Aerators	500	500	1,000	1,0(
Stormwater Utility	New Indian River Drive Baffle Box	-	-	-	1,0(
Stormwater Utility	Improvements River front Park Drain Field	-	-	-	50
Stormwater Utility	New Range Road Drainage Ditch Piping	-	-	-	1,0(
Stormwater Utility	Annual Cured in Place Pipe Lining	1,000	1,000	1,000	1,0(
Stormwater Utility	New London Blvd. Drainage Ditch Piping	-	-	1,000	1,0(
Stormwater Utility Total		$ 97,500	$ 98,000	$ 100,000	$ 102
Street Management	New Tandem Roller	-	500	1,000	1,0(
Street Management	New Wheel Loader	-	1,000	1,000	1,0(
Street Management	Replacement of MACK MD-6	1,000	-	-	-
Street Management Total		$ 1,000	$ 1,500	$ $ 2,000	$ 2,(
Total		**$197,499**	**$288,873**	**$321,671**	**$356**

CITY OF COCOA

PRELIMINARY ASSESSMENT

2025 EVALUATION & APPRAISAL OF THE COMPREHENSIVE PLAN

7-1-2025

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EXECUTIVE SUMMARY



The purpose of this Preliminary Assessment, also referred to as an "Evaluation and Appraisal Report" (EAR) is to provide a comprehensive analysis of the existing City of Cocoa Comprehensive Plan. The following discussion establishes the foundation for the preliminary assessment and provides a series of observations and recommendations for subsequent amendments to achieve consistency with Florida Statutes. This document is intended to guide those legally required updates to the Plan, and not dictate or prescribe optional amendments or plan changes outside the scope of statutory requirements. Any subsequent "optional" amendments will require considerable vetting by the public, the Planning & Zoning Board and City Council - and can be prepared at any time based on the Council's directives.

The Comprehensive Plan ("Plan") is the long-range framework for the planning of activities that affect the local government – the City's "blueprint" for growth and guiding future decisions. It is the foundation upon which all land use decisions in the City are based.

The principles and strategies contained in the Plan are expressed through goals, objectives, and policies (GOPs), which inform the City's decisions as well as implementing land use regulations. The GOPs in the Plan ensure that the City is prepared to accommodate growth, protects its natural resources and assets, and ensure infrastructure paces with development both today, and in the future.

The City's Plan should provide for sound land use planning from a long-term perspective, which is a minimum of 20 years per Florida Statutes. This includes the provision of public services and infrastructure to maintain and improve the City's natural and built environments and residents' quality of life. The Plan's alignment with the City's vision is critical as it provides the means by which to achieve its goals. For the purposes of this assessment and Comprehensive Plan update, the long-range planning horizon is established as 2050.

This Preliminary Assessment Report provides an analysis of changes in Cocoa since 2019 when the current Comprehensive Plan was last evaluated through the Evaluation and Appraisal Report (EAR) process. The Plan has been amended several times since 2019 but has not been substantially updated to address changes to Florida Statutes over the past 6 years.

The preliminary assessment includes profiles of the City, population, education, economics, and housing as required to address the minimum planning horizon, which is 25 years or through the year 2050, for purposes of this update. It reports on existing land use and summarizes any improvements or policy changes since the last Evaluation and Appraisal Report. Two significant supplementary documents are provided in this Preliminary Assessment that will help to shape required statutory amendments: A State Consistency Review (Appendix A) and an "Element – by – Element" review of the Comprehensive Plan to evaluate consistency with changes to Florida Statutes since the last update (Appendix B).

This Preliminary Assessment Report concludes that: 1) the Comprehensive Plan must be amended to reflect changes in state requirements since the last update; 2) some policies are out of date and have been accomplished or should be re-directed to address current needs; and 3) trends and conditions in the City of Cocoa suggest optional amendments/updates to the Elements are not required but can be pursued in the future to strengthen the community vision for preservation of the City's charm and quality of life.

Following input and direction on the recommendations of this Report, the Consultant will prepare the statutory Plan amendments. This process will include local review by the public, City Staff, the Planning & Zoning Board and City Council. Following Council transmittal, amendments are reviewed by the state agency (Florida Department of Commerce) and other reviewing agencies such as the Department of Environmental Protection and the Department of Transportation.

Upon receipt of state comments, the final step is formal adoption of the amendments through a final public hearing. Full implementation of an amended plan would necessitate further changes to the City's Land Development Regulations (LDRs).

Background and Planning Context

City Description

The City of Cocoa is located in eastern Brevard County and abuts Merritt Island to the east and the City of Rockledge to the south. The Indian River Lagoon abuts the eastern municipal limits and separates Cocoa from Merritt Island. The City is proximate to the Kennedy Space Center and Cape Canaveral – a prominent employment area known as the "Space Coast" due to the clustering of space exploration, research and development industries in the area. The City's current 2025 population estimate is 21,352 people according to the Shimberg Center for Housing Studies.

Of the City's roughly 15 square miles, there is substantial coastline along the Indian River Lagoon along its eastern boundary. The City is also notably well-served by major roadways and thoroughfares, including I-95 bisecting the western portion of the City, US Hwy 1 to the east, and SR 520 and SR 528 that provide 2 east/west corridors. A notable slough system divides roughly the middle of the City and connects environmentally sensitive lands across the region. The City's historical urban core is known as Cocoa Village and contains an eclectic mix of retail, restaurants and entertainment adjacent to established residential neighborhoods. This area is ripe for redevelopment as evidenced through the applicable Comprehensive Plan, Community Redevelopment Area (CRA) Master Plan, and the supplementary Zoning Ordinance overlay district.

Adopted Comprehensive Plan Vision

The current Comprehensive Plan based on the 2019 Evaluation and Appraisal Report has no explicit vision or mission statement. However, the Plan's Future Land Use Element provides the following context for the document as its first goal:

> ***"Create and maintain a broad range of land use activities that maximize the City's potential as a growth center while protecting the public health, safety, welfare, and appearance through the thoughtful planned use and development of the land and public facilities."***

This goal is supplemented by the 2022 Strategic Plan's Vision Statement as follows:

> ***"We envision Cocoa as a safe, vibrant, and diverse city that values its rich history and environmental resources, while promoting an engaged and inclusive community with ample employment, housing, recreational, and social opportunities for all."***

While this evaluation and amendment process is focused on the legally required updates to the Plan, it is noted that this goal and vision statement will generally guide and inform the long-range planning process.

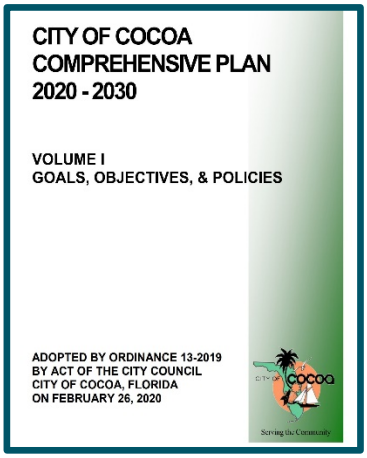
The following section reports on the changes that have occurred, both characteristically and legally, in the City since the last Plan was adopted in 2019. The goal of this section is to highlight what areas of the Plan may need to be amended based on these changes.

CHANGED CONDITIONS SINCE 2019 PLAN UPDATE

Background of Comprehensive Plan Updates

Florida Statutes require municipalities and counties to adopt and implement a local comprehensive plan to describe how they will provide the required services to meet the current and future needs of the community, while protecting the natural environment. A comprehensive plan is a policy document that is intended to provide a coordinated approach to making the many decisions regarding land use. For example, plans should guide decisions about the location of development, the expansion of urban services, the placement of community facilities, adaptation to climate change impacts, and more.

The City's current Comprehensive Plan was last updated through the EAR process in 2019. The Plan identified a planning timeframe for the next ten years (until 2030). It is composed of 14 elements that each contain goals, objectives, and policies (GOPs) organized by topic area. Each element's GOPs are based upon data and analysis including demographics, infrastructure calculations, environmental data, and property information. The most recent Element to be adopted by the City is the Private Property Rights Element, which was required to be created as a result of changes to Florida Statute 163.3177(6)(i)(2).



Source: City of Cocoa

The City's Plan also contains a map series that generally describes existing or future conditions related to the elements. One of the most important maps is the City's Future Land Use Map (FLUM), which depicts future land use categories that specify what general range of uses are allowed on each property. The FLUM is implemented through the Zoning Map and the Land Development Regulations.

Local comprehensive plans in Florida are required to meet a number of requirements, in particular Chapter 163.3177, F.S. The statutes require that comprehensive plans provide the principles, guidelines, standards, and strategies for the orderly and balanced future economic, social, physical, environmental, and fiscal development of the area.

Chapter 163.3177, F.S. also requires that comprehensive plans identify procedures for monitoring, evaluating, and appraising the implementation of the plan. Historically, this process was known as the Evaluation and Appraisal Report, or "EAR". Statutes require the EAR to be conducted every seven (7) years by a jurisdiction to ensure the adopted GOPs are still relevant and appropriate. Cocoa last conducted an EAR in 2018-2019.

Effective June 2, 2011, local governments have more discretion in determining whether they need to update their local comprehensive plan.

Preliminary Assessment Process: Purpose and Outcomes

The first step in the process of updating the Comprehensive Plan is assessing the current GOPs in relation to local changes, as well as changes at the state-level. Following the issuance of this Assessment Report, the Consultant will begin the Plan update process, including the drafting of updated elements, and their respective GOPs. These amendments will be transmitted to Florida Department of Commerce and

applicable state agencies under the State's Coordinated Review Process. Following comments from the State, the City Council may then conduct a final adoption hearing to ratify the amendments. Full implementation of the amended Comprehensive Plan will require amendments to the City's Zoning Ordinances. Figure 1: The Comprehensive Plan Update, graphically represents this process.

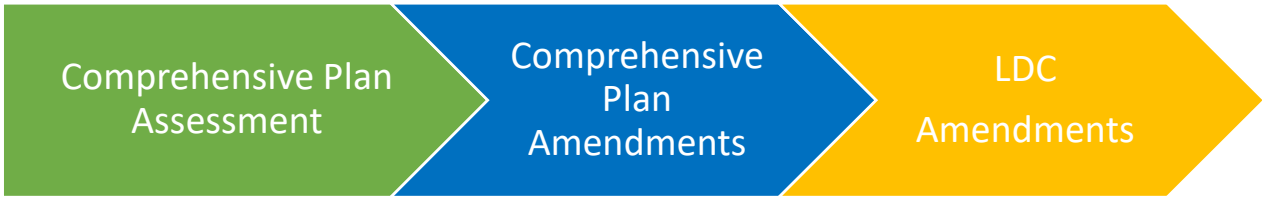


Figure 1: The Comprehensive Plan Update Process

The next section presents data that the City can use as part of its Plan update and will provide context for some of the recommendations and observations that appear later in this Report. As noted above, this analysis is based upon the newly established long-range planning horizon of 2050.

Population Demographics

By 2050, there are several population-related changes that may need to be considered by the City as a result of population projections. In general, the Space Coast has been a rapidly growing region for decades. The impact of that population growth is far reaching from community characteristics, housing availability, and public infrastructure needs. The following datasets detail the overall demographics of the permanent population in the City of Cocoa.

Population Growth

The following estimates are generated from the Shimberg Center for Housing Studies and are based on 2020 U.S. Census data and population projections by the Bureau of Economic and Business Research (BEBR) at the University of Florida. [1] [2] [3] Shimberg and BEBR both provide data on the permanent population. Shimberg focuses on municipalities, while BEBR typically provides estimates at the county level.

Table 1: Permanent Population Estimates

Year	2010	2020	2025	2030	2040	2050
Permanent Population	17,140	19,041	21,352	22,751	24,876	26,395

[1] Shimberg manages the Florida Housing Data Clearinghouse and provides population estimates for household projections at the sub-county (e.g., municipal) level, while BEBR generally provides population estimates at the county level.

[2] For more information about the BEBR methodology to estimate population, please see: https://bebr.ufl.edu/articles_publication/behind-the-numbers-the-population-estimation-process/

[3] The data used for this analysis appears is available through the Florida Housing Data Clearinghouse managed by the Shimberg Center. Please see: http://flhousingdata.shimberg.ufl.edu/population-and-household-projections/results?nid=4812

Population Growth and Implications for Housing

The City is expected to grow from the current 2025 estimate of 21,352 people to a population of 26,395 people by 2050, an increase of +/- 24%. Assuming 2.43 Persons per Household, the growth of 5,043 residents implies that an additional 2,075 housing units may be needed to accommodate the growth of residents. Later sections of this Assessment calculate the population accommodation of the Future Land Use Map correlated to this estimated population growth.

Population Age

The age of the population may also impact the decisions made by the City as the amendments move forward. According to the Shimberg Center for Housing Studies, the most significant population shifts will occur for the population of 65+. According to the analysis provided in Table 2 below, the percent of residents over the age of 65 will grow from approximately 21% of the community to approximately 27%. While this indicates the City's population is slightly aging, the mix of age cohorts represents a healthy balance of age ranges within the City.



Source: Visit Florida

Table 2: Population as Percent of Total

Age / Year	2010	2020	2030	2040	2050
0-14	19%	18%	17%	16%	15%
15-34	26%	23%	22%	22%	22%
35-54	26%	23%	24%	23%	22%
55-64	12%	15%	11%	12%	14%
65 and older	17%	21%	26%	27%	27%

Housing Characteristics

The Shimberg Center for Housing Studies also provides estimates for housing conditions in Florida's communities. Based on the U.S. Census Bureau, 2019-2023 American Community Survey 5-Year Estimates, Shimberg calculates the tenure and age of householders. In this estimate, home ownership in the City of Cocoa is at 65% on average with approximately 2,911 full time rental residents in the City. This is significant metric that demonstrates a well balanced mix of ownership to rentals and aligns with the 2025 national homeownership rate.



Source: Zillow.com

Table 3: Home Ownership by Age 2019-2023 Estimate [4]

Age of Householder	Owners	Margin of Error (+/-)	Renters	Margin of Error (+/-)	Homeownership Rate
15-34	530	226	870	257	38%
35-54	1,428	400	952	294	60%
55-64	1,430	338	341	153	81%
65 and older	2,080	375	748	229	74%
Total	**5,468**	**587**	**2,911**	**378**	**65%**

The housing units by type according to the Shimberg Center for Housing Studies appears in Table 4 below [5]. It is noteworthy that 66% of the housing stock consists of single-family detached dwellings, demonstrating that housing diversity may be a future item to evaluate to accommodate various income levels.

Table 4: Housing Units by Type, 2019-2023 5-Year Estimates

Single-Family (Attached/ Dettached)	Multi-Family	Mobile Homes	Other	Total
5,583 *(66%)*	2,304 *(28%)*	492*(6%)*	-	8,379 *(100%)*

*Owner-occupied units by structure type and Renter-Occupied Units by Structure Type

Other notable statistics for housing may be important as the City develops its amendments:

- The overall home ownership rate in 2019-2023 was 65%, which rose from 56% in the year 2010.[6]
- In 2023, the median gross rent in Cocoa was 1,180 per month.
- The median monthly owner costs with a mortgage is $1,277 per month.[7]
- Almost 86.4% of residents live in the same house as 1 year ago, compared to 87.3% in Brevard County Economic Characteristics

Economic Characteristics

The U.S. Census provides information using a 5-Year Estimation process between census years. The most recent 2019-2023 estimations show that the median household income in the City of Cocoa was $56,553.[8] This is considerably less than the median wage of $78,538 in the U.S, and the median wage in Brevard County, $75,817[9] [10]. There are 11.7% persons in poverty rate for Cocoa, as compared to 11.1%

[5] All estimates provided by Shimberg Center for Housing Studies.
See: http://flhousingdata.shimberg.ufl.edu/population-and-household-projections/results?nid=509
[6] All estimates provided by Shimberg Center for Housing Studies.
See: http://flhousingdata.shimberg.ufl.edu/affordability/results?nid=509
[7] From the U.S. Census Quick Facts for Cocoa, FL. See:
https://www.census.gov/quickfacts/fact/table/US,brevardcountyflorida,cocoacityflorida/HSG650223#HSG650223
[8] See: https://www.census.gov/quickfacts/fact/table/US,brevardcountyflorida,cocoacityflorida/
[9] See: https://www.census.gov/quickfacts/fact/table/US,brevardcountyflorida,cocoacityflorida/HSG650223#HSG650223
[10] See: https://www.census.gov/quickfacts/fact/table/US,brevardcountyflorida,cocoacityflorida/HSG650223#HSG650223

nationally, and 10.3% in Brevard County. These statistics also interplay with the demand for diverse housing types for all income levels noted in the previous section.

According to the Bureau of Labor Statistics for the Palm Bay-Melbourne-Titusville Statistical Area, 12.2% of the total area's employment work is in the Office and Administrative Support major occupational group (compared to 12.2% nationally). This occupational group is the highest in the area, followed by food preparation and serving related (10.5%) and sales and related (9.4%).[11]

Education Characteristics

The U.S. Census estimates that 87.9% of the City's population over 25 years of age are high school graduates, while 21.8% also have a Bachelor's degree or higher. This is slightly lower than the United States education rate of 89.4% of the population over 25 years of age have obtained a high school degree and 35% who have achieved a Bachelor's degree or higher. In Brevard County, 93.1% of the population over 25 years of age have obtained a high school degree and 33.5% have achieved a Bachelor's degree or higher.

Source: Google Maps



Source: Wikipedia.com

In summary, the City of Cocoa is similar to the overall trends in the United States. The population is growing and is evenly distributed across different age groups. There are higher rates of homeownership with a predominance of single-family detached homes. These characteristics directly relate to the City's vision of maintaining high living standards, stabilizing population levels, and protecting existing low-density single-family neighborhoods. Additional measures relating to housing affordability and economic development are recommended in future "optional" amendments to the Comprehensive Plan to address metrics the City would like to improve, i.e. increased median income via generation of higher paying local employment opportunities.

Existing Land Use, Development Potential, and Annexations

Existing Land Use

The Future Land Use Element within the Plan identifies the types, densities and intensities of various land uses in the City of Cocoa, and specifies where these land uses are permitted within the City's long-range planning horizon, which currently extends to 2030 and will be expanded to 2050 via this update.

The Future Land Use Map and supportive Future Land Use Goals, Objectives & Policies provide the framework for implementing the City's Zoning Map and the Zoning Ordinance.[12] The LDCs provide the details of specific allowable uses for each parcel of land within the City, along with the form of allowable development based upon setbacks, maximum building height, lot coverage, and other spatial elements. The result of the Future Land Use Map and Zoning Maps is realized through the built form of Cocoa's development and redevelopment patterns.

[11] See: https://www.bls.gov/regions/southeast/news-release/occupationalemploymentandwages_palmbay.htm
[12] Land development regulations are documented in the City's Zoning Ordinance.

Table 5: Total Land Area by Future Land Use below summarizes the distribution of the adopted future land use categories based on the Future Land Use Map data as of March 2025. The table indicates the largest land use allocation within the Low-Density Residential category, representing approximately 1,816.1 acres, or 24%, of the City's total acreage. Industrial is the next largest future land use represented on the City's Map with 1,109.0 acres or 14% of the total land area. While the High Density Residential and Mixed Use categories only represents 1% (combined 169.2 acres). The four residential categories represent just under half of all city's future land use categories (49%).

Table 5: Total Land Area by Future Land Use

Total Land Area by Future Land Use		
Future Land Use Category	**Total Acreage**	**% of Total Land Area**
Very Low Density Residential	900.8	12%
Low Density Residential	1,816.1	24%
Medium Density Residential	1,025.7	13%
High Density Residential	57.00	0.7%
Neighborhood Commercial	238.5	3.1%
Commercial	838.5	11%
Mixed Use	112.2	1.5%
Industrial	1,109.0	14%
Conservation	924.7	12%
Institutional	272.1	3.5%
Recreation/ Open Space	172.4	2%
Regional Activity Center	203.9	3%
County Zoning	-	-
TOTAL	**7,670.98 Acres**	**100%**

Vacant Land

An additional analysis was conducted on vacant lands in the City. Below Table 6: Vacant Land by Future Land Use, provides a breakdown of vacant acreage and density potential within each future land use category. The table correlates the vacant lands to the potential density of its assigned Future Land Use category.

This analysis indicates there are approximately 1,867+/-acres of vacant lands within the City boundaries representing approximately 24% of the land area. In effect, the City has significant lands available for new development, primarily in the Low Density Residential Category. The Low Density Residential future land use category contains approximately 552+/- vacant acres or 29% of the available vacant lands. These lands include platted single-family lots that are vested for density, meaning that their future use (a single-family dwelling unit) is generally known from a development standpoint unless multiple lots were assembled and rezoned for different uses. Based on the analysis, the vacant lands within residential future land use categories generate a maximum unit potential of 8,487 dwellings, far exceeding the additional 2,075 dwellings required to accommodate projected population growth through 2050. This estimate does not include allowable residential density in categories such as Mixed Use as conservative measure. Additionally, there are lands encumbered by conservation easements throughout the City that are designated within future land use categories that allow for varying ranges of density and intensity. Large/significant known conservation easements totaling 260 acres have been removed from the Vacant

Lands Analysis. However, Table 6 may include some lands encumbered by conservation easements that will not produce density.

The City has sufficient remaining land for new development over the next 25-year planning horizon to accommodate the projected population growth without further annexations or densification via future land use map changes. That is not to say that requests to annex or increase densities are unacceptable, but rather that these changes are not critical to accommodating population growth through the planning horizon. In addition to the residential future land use categories, the City also has substantial population accommodation through the Mixed Use future land use category, which allows for high density, mixed use development in proximity to the City's historic core.

Table 6: Vacant Land by Future Land Use

Vacant Land by Future Land Use				
Future Land Use Category	**Maximum Allowable Density**	**Vacant Acres**	**% of Total Land Area**	**Estimated Remaining Unit Potential**
Very Low Density Residential	4 du/acre	205.1	11.00%	820 DUs
Low Density Residential	7 du/acre[1]	552.6	29.60%	3,868 DUs
Medium Density Residential	15 du/acre	240.1	12.85%	3,601 DUs
High Density Residential	25 du/acre	0.8	0.04%	20 DUs
Neighborhood Commercial	-	79.1	4.23%	-
Commercial	-	30.0	1.60%	-
Mixed Use	25 du/acre[2&3]	8.0	0.42%	-
Industrial	-	273.2	14.63%	-
Conservation	-	391.8	21.00%	-
Institutional	25 du/acre	7.1	0.38%	178 DUs
Recreation/Open Space	-	79.5	4.25%	-
Regional Activity Center[4]	25 du/acre	0.05	0%	0 DUs
TOTAL	**-**	**1,867.35 Acres**	**100%**	**8,487 DU**

1. Maximum density may be increased up to 12 du/acre as part of a planned residential development or planned redevelopment activities (Policy 1.2.3.C).
2. An additional 5 units per acre may be achieved if residential units are developed as part of a vertical mixed use project.
3. Maximum FAR in the Cocoa RDA is 2.0 and a bonus may permit up to an additional 2.5 FAR in the Central Business District outside the Cocoa Village Overlay sub-district. An additional 25 units per acre may be achieved in certain areas within the Cocoa RDA.
5. Minimum land area of 50 acres and minimum cumulative gross floor area of 500,000 sq.ft. for all structures.

Annexations

The City considers annexation requests from property owners who wish to voluntarily become part of the city and whose properties are contiguous to existing City limits.

Since the adoption of the current Comprehensive Plan in February 2020, there have been (2) two annexations of land into the City. The first annexation under Ordinance No. 24-2019 was approved in 2020, it is comprised of 59 parcels with a total of 139+/- acres. These parcels of land are located around the intersection of State Road 524 and State Road 520.

The second annexation occurred in 2020 as well and applies to a 0.6+/- acre industrially zoned property located on 4050 W. King Street, approved per Ordinance No. 14-2020.

Infrastructure Analysis & Capital Improvements

Previously, § 163.3177, F.S. required that cities annually update their Capital Improvements Element (CIE) and Five-Year Schedule of Capital Improvements. However, Chapter 163.3177 was modified in two important ways upon passing of the 2011 Community Planning Act.[13]

First, Section 163.3117(3)(a)(4) previously required that the capital improvements element cover a 5-year period and identified whether projects were funded or unfunded and be accompanied by a priority. This section of Florida Statutes no longer requires the demonstration of financial feasibility.

Second, Section 163.3177(3)(b) modifies the requirements for local governments to annually review the capital improvements element. The City is no longer required to transmit the adopted amendment to the state land planning agency, adopt a long-term concurrency management system, or to address financial feasibility.

Potable Water



The City owns, operates and maintains the water supply facilities and transmission mains servicing the City. Cocoa gets its water from two primary sources: the Floridan Aquifer and Taylor Creek Reservoir. The water management and water allocation is the responsibility of the St. Johns River Water Management District.

The City of Cocoa provides water to its own residents as well as 278,000 residents in Cocoa Beach, Cape Canaveral, Rockledge, Merritt Island, Canaveral Groves, Patrick Air Force Base, and a large portion of unincorporated central Brevard County. Total area served is approximately 268 square miles in Brevard County. The City of Cocoa sells water to the City of Titusville as well.

The City's water treatment facilities include Wewahootee Water Treatment Plant and the Clyde H. Dyal Water treatment facility. The majority of the treatment process takes place at the Claude H. Dyal Water Treatment Plant which treats both ground and surface. Additionally, the Wewahootee Water Treatment Plant is also used for water treatment. The City's potable water distribution system extends approximately about 268 sq. miles and includes 90,000 connections including 4 bulk water interconnects: NASA, Cape Canaveral Space Force Station, Patrick Space Force Base, and Titusville. Assets in the distribution system include 3 booster pump stations with ground storage tanks, 1 elevated storage tank, 1,582 miles of pipeline, nearly 27,000 isolation valves, and more than 6,000 hydrants.

The City's Level of Service (LOS) standard for potable water in Potable Water Element Policy 7.1.1.1 of the current Comprehensive Plan is 122 gallons per capita per day (GPCPD) per Equivalent Residential Connection (ERC), or 340 gallons per day per ERC. In coordination with the City's Utilities Department it is

[13] The Community Planning Act was pursuant to House Bill 7202.

understood the City desires to update the potable water LOS standard to 110 gallons GPCPD per Equivalent Residential Connection (ERC), or 310 gallons per day per ERC, to reflect current demands and trends, likely due to higher use of low flow/efficient fixtures and other measures.
The Claude H. Dyal Water Treatment Plan has a permitted capacity of 31 Million Gallon per Day (MGD) of groundwater capacity and an additional 8.83 MGD through surface water, through an existing permit through 2042. Current demand is 19 MGD. Thus, based on the expected population capacity growth of 5,043 residents by 2050 there will be more than adequate potable water to serve the population through the long-range planning horizon.

Table 7: Potable Water Demand/Capacity Projection

Current Capacity	Current Demand	Additional Demand per 2050 Population Projection[1]	Excess Capacity[2]
40+/- MGD	21 MPD	643,250 GPD	18.3 GPD

1. 310 GPD per ERC X 2,075 DUs per proposed LOS
2. Does not reflect changes to demands in other areas served by City of Cocoa Utilities

It is noted the City's state-required Water Supply Facilities Work Plan (WSFWP) is in the process of being updated and is due for update this year per state law.

Wastewater/Sanitary Sewer

Cocoa's reclaimed water is treated to advanced wastewater treatment standards at the Jerry Sellers Water Reclamation Facility, a state-of-the-art wastewater treatment plant. The water receives a high level of disinfection and is continuously monitored and analyzed to ensure consistent high quality and compliance with regulations. The permitted plant capacity is 3.5 MGD with a current average daily flow of 2.1 MGD.

The City's Level of Service (LOS) standard for potable water in Sanitary Sewer Element Policy 4.1.1.2 of the current Comprehensive Plan is shown is 319 GPD per ERC. Similar to the potable water LOS, the City intends to modify the LOS standard for sanitary sewer to 280 GPD to reflect current trends and demands.

Table 8: Sanitary Sewer Demand/Capacity Projection

Current Capacity	Current Demand	Additional Demand per 2050 Population Projection[1]	Excess Capacity[2]
3.5/- MGD	2.1 MPD	661,925 GPD	738,000 GPD

1. 319 GPD per ERC X 2,075 DUs per proposed LOS
2. Does not reflect changes to demands in other areas served by City of Cocoa Utilities

Based on the expected population capacity growth 5,043 residents by 2050, or 2,075 additional dwelling units, there is sufficient existing capacity in the City's wastewater treatment system to serve the population through the long-range planning horizon.

Septic Conversion Laws

Per Section 163.3177(6)(c)3, F.S., local governments containing any developments of more than 50 residential lots with a density of more than one dwelling unit per acre are required to consider the feasibility of providing sanitary sewer services to these developments within a 10-year planning horizon.

The City of Cocoa has identified two existing subdivisions larger than 50 lots each within its jurisdictional boundaries. The subdivisions are known as Carleton Terrace and Broadview Manor. City Staff used existing utility customer information as well as plat information from the Brevard County Property Appraiser's Office to identify platted lots greater than 50 lots without sewer service.

Carleton Terrace:
The existing community has approximately 205 platted lots and approximately 14,600 feet of streets. Currently, the nearest feasible sewer is a 12" force main on U.S.1. In order to connect to this system, a lift station parcel acquisition would be required to capture gravity flow from the neighborhood and pressurize it to be received by the existing force main on U.S.1.

Broadview Manor:
The existing community has approximately 106 platted lots and approximately 7,500 feet of streets. Currently the nearest feasible sewer is a 12" force main on U.S.1. located approximately 3,000 feet away. In order to connect to this system, a lift station parcel acquisition would be required and the installation of new force main on U.S.1

The above information will be included in revised GOPs to address the new state law regarding septic conversion planning.

Stormwater

The current Level of Service (LOS) standards for water quality on all new drainage systems are as follows:

- All retention/detention facilities shall retain either the first 1 inch of runoff for areas of one acre or more; or retention of first one half inch of rainfall runoff for drainage areas of less than one acre and comply with the rules from St. Johns River Water Management District (SJRWMD).

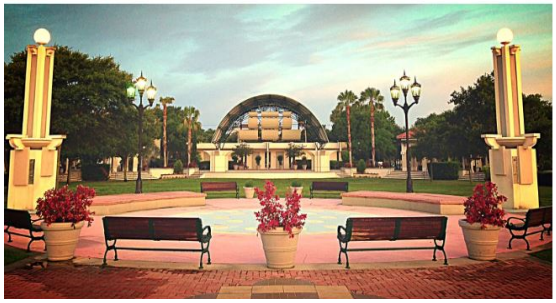
The water quantity LOS standards attempt to address the amount of rainfall and runoff generated from that rainfall. The LOS standard for drainage systems in all new development or redevelopment shall be 25-year frequency/24-hour duration event. The LOS is monitored by the Public Works Department through the Site Plan review process, and the SJRWMD through the Environmental Resource Permit (ERP) process.

Solid Waste

Cocoa provides its citizens and businesses curbside collection of solid waste, bulk trash, green waste, bulk green waste, recyclables, commercial dumpsters, and roll-off services. Collection services are currently provided through a competitively bid private contract. Landfill services are provided by Brevard County.

Parks & Recreation

The City of Cocoa Public Works Department is responsible for the City's robust park facilities. Pursuant to Chapter 61-1909, Laws of Florida, Acts of 1961, the Brevard County Recreation District 4 was established to provide funding for recreational facilities and programs for the residents within the district. Subsequent to the formation of this district, the City of Cocoa entered into a long-term maintenance and operations agreement with Brevard County Parks and Recreation.



Policy 10.1.1.3. of the Recreation and Open Space Element establish a LOS standard of 1.25 acres per 1,000 population. Per the City of Cocoa Parks Infrastructure and Master Plan, studies suggest increasing the LOS to 4 acres per 1,000 residents in 5-year increments. Based on the projected 2050 population projection of 26,395 people, the City only requires 21 acres of park space for park concurrency through the long-range planning horizon.

Table 9 provides an inventory of all parks facilities within the City along with facilities provided and approximate acreage.

Table 9: Parks and Recreation Facilities Inventory

Park Name	Park Type	Approximate Acreage
Bracco Pond Park	Active Park (Bike trail, Exercise Stations, Fishing and Walking Track)	59.3 acres
Carl E. Anderson Park	Active Park (Basketball Court, Playground & Pavilion)	1 acre
Cocoa Civic Center	Civic Center	½ acre
Cocoa Conservation Area	Passive Park	395 acres
Cocoa Manor/Autumn Marie Park	Active Park (Playground, Pavilion)	½ acre
Cocoa Riverfront Park	Active Park (Amphitheater, Fishing, Pavilions, Playground, Volleyball, Water Playground and Walking Track)	10 acres
Don "Mo" Stradley Memorial Park	Active Park (Baseball/Softball Fields, Football fields, Shade structures)	43 acres
Gilmore Community Park (Formerly Fern and Prospect Park)	Active Park (Basketball, Pavilion, Playground,	24 acres
Joe lee Smith Park	Active Park (Multi-Purpose Courts and Field, Community Center, Swimming Pool and Playground)	3.2 acres

Park Name	Park Type	Approximate Acreage
Johnnie Johnson Nature Trails	Passive Park (Nature Trails)	22 acres
Junny Rios Martinez Park	Active Park (Tennis Courts, Playground, Basketball courts, Pavilions)	6 acres
Lee Wenner Park	Passive Park	12 acres
Leon and Jewel Collins Museum of African American History and Culture at the Harry T. Moore Center	Active Park (Playground)	1 ½ acres
Provost Park	Active Park (Playground, Basketball Courts, Tennis Courts, Pavilions)	20 acres
Riverfront and Taylor Park	Active Park (Playground, Picnic Areas with Tables)	4.06 +/- acres
Travis Park	Active Park (Basketball, Pavilion, Picnic Areas, Playground and Volleyball)	2.5 acres
		Total: 604 acres

Based upon the projected population in 2050 of 26,395 people, the City has more than adequate park space for the long-range planning horizon based on the current LOS.

Transportation

Policy 2.1.1.1 of the Transportation Element establishes that the City shall maintain for the purpose of issuing building permits and development orders the following list of major roadway facilities:

Table 10: Major Roadway Facilities LOS

City of Cocoa Jurisdictional Roadways	Minimum LOS
Forrest Avenue	E
Cox Road (within city limits)	E
Fiske Boulevard (from SR 520 to Dixon Boulevard)	E
Indian River Drive (C.R. 515)	E
Peachtree Street (from Clearlake Road to U.S. 1/S.R. 5)	E
Florida Avenue (within city limits)	E

Other or Multi-Jurisdictional Roadways	Jurisdiction	Minimum LOS
Pineda Street (from Lake Drive to SR 501)	City/County	E
Michigan Boulevard	City/County	E
Dixon Boulevard	City/County	E
Range Road	City/County	E
Rosetine Street	City/County	E
Adamson Road (SR 524 to Pine)	County	D
Friday Road (SR 524 to SR 520)	City/County	E
Grissom Parkway (Industry to Canaveral Groves)	County	E
Industry Road (SR 524 to Grissom Pwky)	City/County	E
SR 528 (Beachline Expressway)	State	D

SR 520 (from Clearlake Road to U.S. 1/ S.R. 5)	State	D
SR 520 (from SR 524 to Burnett Rd)	State	D
SR 519 (Fiske Boulevard south of SR 520)	State	D
U.S. 1/S.R. 5 (from SR 528 to south of SR 520)	State	D
SR 524 (from SR 520 to SR 528)	State	D
SR 501 (Clearlake Road)	State	D
Interstate Highway 95 (I-95) (SR 519/Fiske Blvd to SR 520)	State	E
Interstate Highway 95 (I-95) (SR 520 to SR 524)	State	E
Interstate Highway 95 (I-95) (SR 524 to SR 528)	State	E

Public Schools Facilities

The City of Cocoa is within the Brevard Public Schools District which is the 49th largest district in the U.S. and the 10th largest district in Florida. With 84 schools, 15 special centers, and 12 charter schools, the district educates its students in 17 different municipalities across the Space Coast. Brevard Public Schools has a current strategic plan for 2025-2030. The City of Cocoa is serviced by the following public schools through Brevard Public School: Public Works Staff recommends updating these adopted LOS standards to align with the 2023 FDOT Multimodal Quality/Level of Service Handbook relating to context classification methodology, as well as Space Coast Transportation Planning Organization's assessment of all functionally classified roadways in Brevard County.

Table 11: Public Schools Serving City of Cocoa

Grade Level	School	Location
7-12	Cocoa High School	2000 Tiger Trail, Cocoa, FL 32926
K-6	Cambridge Elementary (Magnet School)	2000 Cambridge Drive, Cocoa, FL 32922
K-6	Saturn Elementary	880 N. Range Road, Cocoa, FL 32926
K-6	Fairglen Elementary School	201 Indian Trail, Cocoa, FL 32927
K-8	Emma Jewel Charter Academy	705 Blake Avenue, Cocoa, FL 32922
PK, K-6	Endeavour Elementary School	905 Pineda St, Cocoa, FL 32922
K-12	Brevard Virtual Franchise (Virtual, Alternative School)	N/A

**Dependent on school capacity, residents may not be limited to the schools that are located within their specific zone. Adjacent Concurrency Service Areas may have capacity which allows for students to attend other schools within the zone.*

Brevard Public School publishes a Student Accommodation Plan for 2024-2025, which was last updated in March of 2024. The data is as of the 2023-2024 School Year. The total enrollment and capacity statistics for the schools detailed above, are shown below [14]:

Table 12: Brevard Public Schools Enrollment Data

School	Total Enrollment By Student	Total Capacity By Student	Available Capacity by Student

[14] https://files-backend.assets.thrillshare.com/documents/asset/uploaded_file/4493/Bps/e1c1fd03-44df-4a4d-854f-799da3870505/2024-2025_SAP_Electronic_Version-Reduced.pdf?disposition=inline

Cocoa High School	1,474	1,837	363
Cambridge Elementary (Magnet School)	513	787	274
Saturn Elementary	596	998	402
Fairglen Elementary School	517	789	272
Emma Jewel Charter Academy	364	Not Provided	Not Provided
Endeavour Elementary School	720	968	248
Brevard Virtual Franchise (Virtual, Alternative School)	226	N/A	N/A

Brevard Public Schools also provides Enrollment Projections to the year 2028. The projections show a decline in student enrollment, resulting in adequate capacity within the school system serving Cocoa. This will need continual monitoring through the long-range planning horizon through partnerships between the City and School District, as directed by the Comprehensive Plan.

Table 13: Brevard Public Schools Five-Year Enrollment Projections

School	2024	2025	2026	2027	2028
Cocoa High School	1,480	1,441	1,421	1,444	1,437
Cambridge Elementary (Magnet School)	505	519	532	546	564
Saturn Elementary	614	634	638	632	644
Fairglen Elementary School	492	511	540	531	534
Emma Jewel Charter Academy	366	366	366	366	366
Endeavour Elementary School	740	750	749	739	708
Brevard Virtual Franchise (Virtual, Alternative School)	N/A	N/A	N/A	N/A	N/A

Summary of Public Outreach Approach

The following is a summary of the public outreach opportunities throughout the Comprehensive Plan Amendment process.

- ✓ City Council "Kick-Off" Workshop
- ✓ City Council Workshop to present Preliminary Assessment Report
- ✓ Planning & Zoning Board Transmittal Hearing
- ✓ City Council Transmittal Hearing
- ✓ City Council Adoption Hearing

Community Workshop & Public Hearings

Following publication of this Preliminary Assessment Report and completion of Phase 1 state-mandated amendments, the Consultant Team will conduct a broadly advertised Community Workshop to solicit direct conversations with the community and ask direct questions that will guide updates to the Comprehensive Plan Vision and implementing Goals, Objectives and Policies, when Phase 2 amendments are pursued.. Following the workshop, additional publicly advertised hearings will occur to allow for additional public comment and feedback on the proposed amendments.

Comprehensive Plan Element Review

This Element Review section includes a comprehensive examination of all Elements of the Comprehensive Plan ("Plan"). The purpose of this review is to determine the continued applicability of the Plan's goals, objectives and policies as they relate to compliance with Florida Statutes. The following section also inventories amendments adopted to the Plan since 2019.

The state-mandated or "state consistency" review subsection under each Element below is a summary of the Comprehensive Plan changes required for compliance with Section §163.3191(2)(f), Florida Statutes. This Section is supplemented by the State Consistency Review and Policy-by-Policy review that appears in Appendix A of this report. The detailed analysis of each Goal, Objective and Policy in the entirety of the adopted Comprehensive Plan is in Appendix B.

Plan Changes Since 2019 Adoption

To understand the processing of Comprehensive Plan changes since the last adopted Comprehensive Plan of City of Cocoa, the following analysis documents changes that have been made since 2010. This analysis will help guide the update process and provides key indicators on where revisions are needed to address changing conditions.

Comprehensive Plan Amendments

Since adoption of the Current Comprehensive Plan, there have been several amendments to the Plan relating to new development, incentivizing mixed use development and housekeeping changes such as adopting the Private Property Rights Element per state law and making corrections.

Table 14: Comprehensive Plan Amendments Since 2019

Ordinance No.	Amendment Summary
20-01ESR Ordinance 04-2020	Amend the Future Land Use Map to designate 59 parcels into the Low Density Residential Future Land Use category following an annexation into the City
20-02ESR Ordinance 17-2020	Text amendment to the Future Land Use Element to add "residential" to the allowable uses under the Commercial FLU category with a footnote stating: "Residential uses shall be permitted only where allowed in the underlying zoning district."
21-S01 Ordinance 01-2021	Small-Scale Plan Amendment
22-01ESR Ordinance 05-2022 Ordinance 07-2022	Adopt the Property Rights Element and authorize residential densities of up to 125 dwelling units per acre in a limited geographical area
22-02ESR (Proposed with 22-01ESR) Ordinance 06-2022	Corrects a scrivener's error in Figure FLU-1, to provide that the RU-2-10 zoning district is an allowable zoning district only in the Low Density Residential Future Land Use Category. Removes the RU-2-10, Low Density Single Family and Multiple-Family Zoning District, from the list of "Applicable Zoning Districts"

Ordinance No.	Amendment Summary
	in the Medium Density Residential and High Density Residential Future Land Use categories and properly place the RU-2-10 zoning district in the Low Density Residential Future Land Use category list.
23-01ESR Ordinance 07-2023	Modify implementing zoning districts for various future land use categories
23-02ESR Ordinance 14-2023	Removes State Road 524 from the Level of Service table in the Transportation and Capital Improvements Element
23-03ESR Ordinance 17-2023	Expand geographic area which vertical mixed-use projects may be built at 125-units per acre
23-S01 Ordinance 06-2023	Small-Scale Plan Amendment for a 5.8-acre site, redesignating it from Commercial to High Density Residential
24-01ESR Ordinance 14-2024	Provide flexibility of allowable uses on the ground floor of vertical mixed-use buildings related to the Mixed-Use future land use Category
24-S01 Ordinance 08-2024	Small-Scale Plan Amendment for 20 parcels (3.36 acres) from Commercial to Neighborhood Commercial

Element-By-Element Review

The following section provides an "Element-by-Element" review that summarizes the overall analysis that is detailed in Appendix B. Please note, during the amendment process, additional changes to Elements may be required/warranted. This is intended as a preliminary "road map" of the major statutory changes required and not an exhaustive list.

Overall Observations

The following are overarching observations relating to the Plan as a whole:

- The planning horizon should be extended to 2050 to comply with state law's minimum 20-year horizon

Future Land Use Element

- Modify future land use categories to address floating solar facilities
- Modify/remove residential design standards for single-family and two-family dwelling types

Transportation Element

- Updates to jurisdiction assignments per Public Work Department direction

Housing Element

- Modify policies to address Live Local Act

Sanitary Sewer Element

- Update policies to address current status of plans/studies, and update timeline/deadline references throughout
- Update all specific LOS standards references per Utilities Department direction
- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S.

Solid Waste Element

- No statutorily required changes

Stormwater Element

- No statutorily required changes

Potable Water Element

- Update all specific LOS standards references per Public Works Department direction

Natural Groundwater Aquifer Recharge

- No statutorily required changes

- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S. as linkage to Sanitary Sewer Element policies.

Coastal Management Element

- Update policies to address current status of plans/studies, and update timeline/deadline references throughout

Recreation and Open Space Element

- No statutorily required changes

Public School Facilities Element

- Updates relating to proportionate fair share payments and concurrency issuance/timing

Conservation Element

- Incorporate by reference updated Water Supply Facilities Work Plan as linkage to Potable Water Element policies
- Include objective and policies to address septic conversion feasibility plan per Section 163.3177(6)(c)3, F.S. as linkage to Sanitary Sewer Element policies

Intergovernmental Coordination

- No statutorily required changes

Capital Improvements Coordination

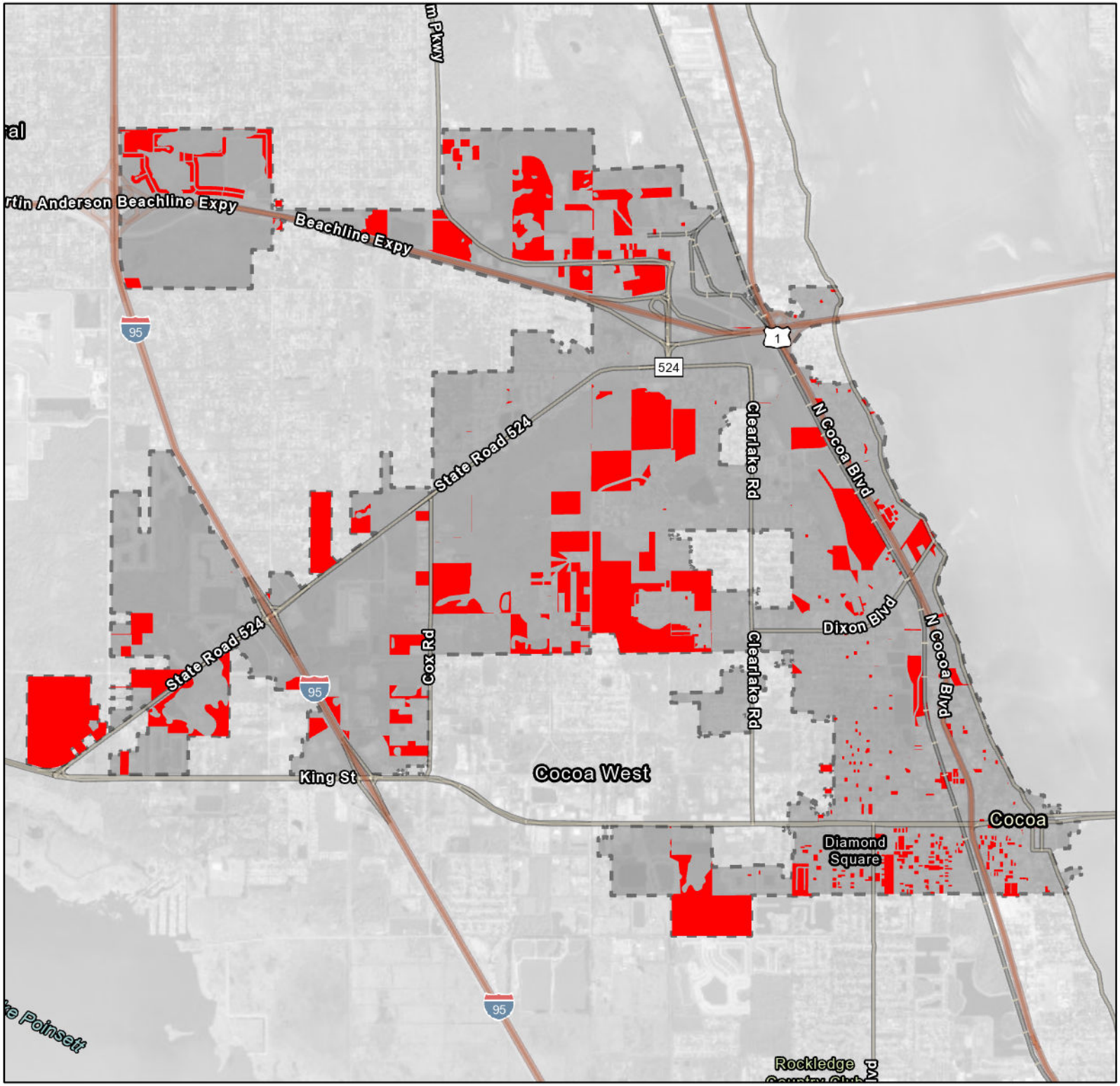
- Update LOS per Public Works Department
- Update 2018-2023 Capital Improvement Plan with current 2025-2029 Capital Improvement Plan

Property Rights Element

- No statutorily required changes

Conclusions

In summary, the City is required to make several changes to the Comprehensive Plan Elements to maintain consistency with state law. Due to the relatively recent update in 2019, as well as continued proactive "housekeeping", the Plan already addresses several changes to Florida Statutes, such as adoption of the Private Property Rights Element. The bulk of amendments relate to required studies and plans relating to infrastructure, as well as pre-emptions on certain uses and regulations. Optional amendments can be pursued upon adoption of state-required amendments to address changes to GOPs necessary to uphold the City's vision for attractive development patterns, the protection of neighborhood character and maintaining a high quality of life for Cocoa's citizenry.



COCOA
FLORIDA

N

Vacant Land Map

July 31, 2025

Cocoa Vacant Parcels

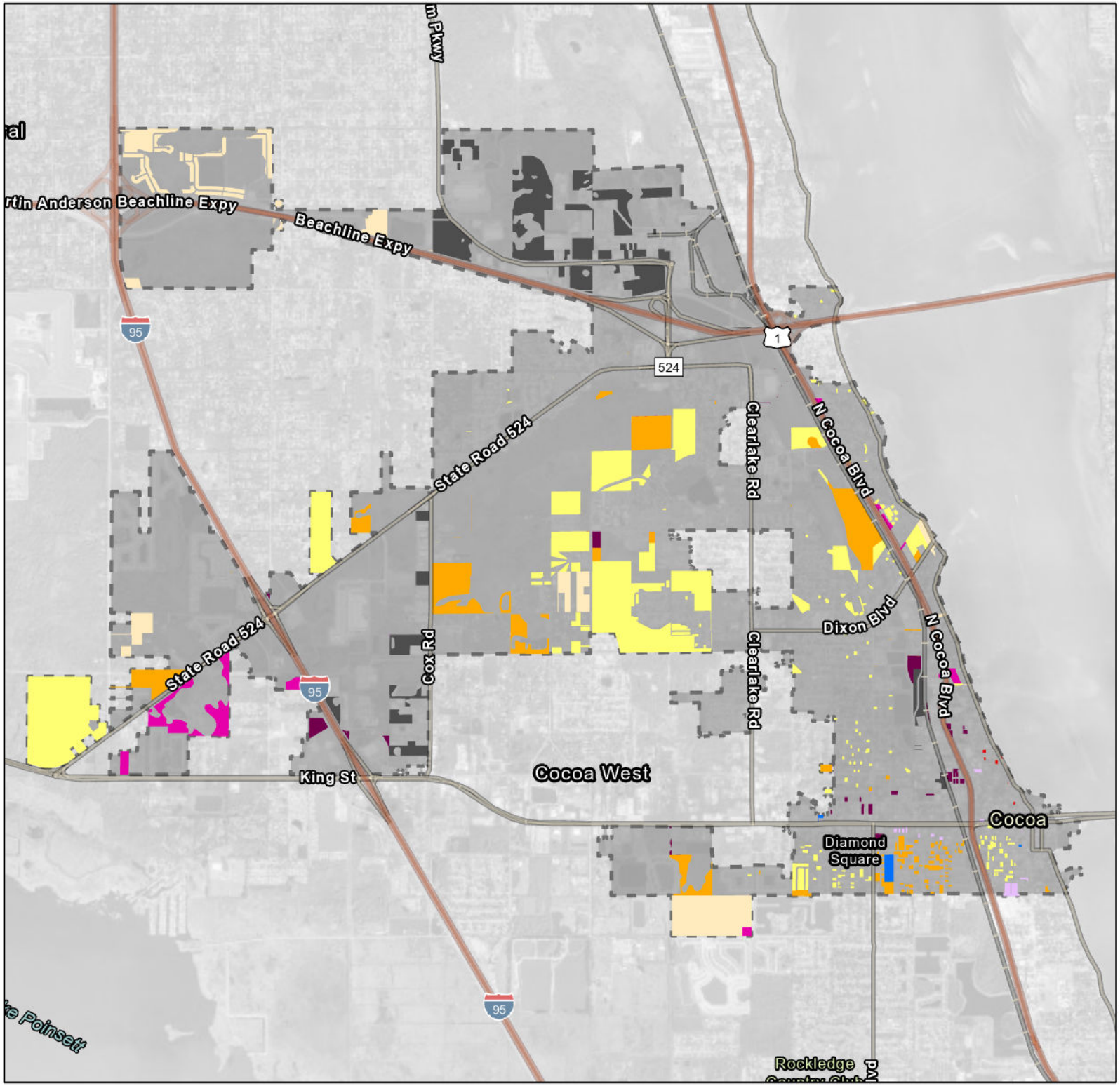
Cocoa City Boundary

0 1 2
Miles

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only. ©2025

RVi Planning + Landscape Architecture

Note: Includes lands encumbered by conservation easement that may be undevelopable



COCOA
FLORIDA

N

Vacant Future Land Use Map

July 31, 2025

Vacant Lands Map

- Very Low Density Residential
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Neighborhood Commercial
- Commercial
- Mixed Use
- Industrial
- Institutional
- Regional Activity Center
- Cocoa City Boundary

0 1 2
Miles

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only. ©2025

RVi Planning + Landscape Architecture

Note: Includes lands encumbered by conservation easement that may be undevelopable

APPENDIX A: STATE CONSISTENCY REVIEW

The following analysis was conducted utilizing all of the changes that have occurred to the State Comprehensive Plan since February 2020, when the City adopted its most recent Comprehensive Plan. Where inconsistencies were identified, such as a requirement not currently addressed in the City of Cocoa Comprehensive Plan, the appropriate Element is identified for update. Where changes to the State Comprehensive Plan do not apply to the City, such as Sector Planning or Rural Land Stewardship legislation, "Not Applicable" has been denoted in the "F.S. Change Applicability to City of Cocoa" column.

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
2020: [Chapter 2020-2, section 27, Laws of Florida, Effective May 18, 2020; Chapter 2020-27, sections 4 and 5, Laws of Florida, Effective July 1, 2020; Chapter 2020-58, section 1, Laws of Florida, Effective July 1, 2020; Chapter 2020-122, section 2, Laws of Florida, Effective July 1, 2020; Chapter 2020-150, section 28, Laws of Florida, Effective July 1, 2021]					
1	Coastal Management - Amends subsection (2)(k) to update statutory references; paragraph edits to remove outdated deadlines	Section 163.3178, F.S	Not Applicable *NOTE: relating to designated deep water ports*	N/A	N/A
2	Allows a local government to adopt an ordinance allowing accessory dwelling units to be located in any area zoned for single family residential use; removes the requirement that the ordinance be conditioned upon a finding that there is a shortage of affordable rentals within the jurisdiction	Section 163.31771, F.S	Applicable/Not Required	Accessory Dwelling Units not addressed in Current Plan.	N/A
3	Adds subsection (10) and supporting paragraphs (a) through (e) to address the data on impact fee charges that must be reported in an annual financial report by a county, municipality, or special district	Section 163.31801, F.S	Applicable/Not Required	Transfer of Impact Fees Credits not addressed in Current Plan.	N/A
4	Amends subsection (3)(d) to specify that a new or increased impact fee may not be charged to current or pending permit applications submitted before the effective date of an ordinance or resolution imposing such an impact fee unless the result is to reduce the total mitigation costs or impact fees imposed on an applicant. • Amends subsection (4) to clarify that a local government must provide credit against the collection of an impact fee of any contribution related to public education facilities regardless of any charter provision, comprehensive plan policy, ordinance, or resolution. • Renumbers existing subsections (8) and (9) as subsections (9) and (10). • Adds a new subsection (8) that sets forth the provisions by which impact fee credits are assignable and transferable and renumbers subsequent subsections	Section 163.31801, F.S	Applicable/Not Required	Policies throughout Plan address impact fee but are not inconsistent with the statute changes.	N/A

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
5	Provides guidance to the state land planning agency when selecting applications for technical assistance funding to give preference to counties with a population of 200,000 or less,	Section 163.3168, F.S	Not Applicable	N/A	N/A
6	To alter the governmental entity that approves onsite sewage treatment and disposal systems from the DOH to DOEP	Section 163.3180, F.S.,	Not Applicable	N/A	N/A
2021: Chapter 2021-7, sections 6 and 7, Laws of Florida, Effective July 1, 2021; Chapter 2021-63 section 1, Laws of Florida, Effective June 4, 2021; Chapter 2021-16, Chapter 2021-178, Chapter 2021-186, Chapter 2021-201, Laws of Florida, Effective July 1, 2021; Chapter 2021-195, sections 1-3, Laws of Florida, Effective July 1, 2021; Chapter 2021-206, sections 1 and 3, Laws of Florida, Effective July 1, 2021]					
1	Provides a definition for "Farm operation." to subsection (2)(B)	Section 163.3162, F.S	Not Applicable	N/A	N/A
2	Provides a definition for "Farm operation." to subsection (3)(B)	Section 163.3163, F.S	Not Applicable	N/A	N/A
3	Definitions, added a new definition of "Infrastructure" and "Public facilities; reorganization of paragraphs; provide additional regulations pertaining to impact fee credits; new section - impact fees may be increased, sets forth limitations	Section 163.31801, F.S.	Not Applicable *NOTE: Plan contains no definitions*	N/A	Consider Creation of Appendix with Definitions/Glossary in future "Optional" Amendments
4	State land planning agency to give preference when selecting applications for funding for technical assistance to counties with a population of 200,000 or less and to municipalities within those counties, for assistance in determining whether the area in and around a proposed multiuse corridor interchange contains appropriate land uses and natural resource protections and amending a comprehensive plan to provide for such land uses and protections.	Section 163.3168, F.S.	Not Applicable	N/A	N/A
5	Solar Facility Approval Process,- applies to sites that are subject to an application to construct a solar facility submitted to a local government on, or after, July 1, 2021	Section 163.3205, F.S.	Not Applicable	The City does not have an Agricultural Future Land Use Category	N/A
6	Clarify that requirements pertaining to development orders with comprehensive plans related to plans after January 1, 2016	Section 163.3167, F.S.	Not Applicable *NOTE: pertains to newly incorporate municipalities after 2016*	N/A	N/A

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
7	Required and Optional Elements of Comprehensive Plan; Studies and Surveys - requires each local government to include in its comprehensive plan a property rights element	Section 163.3177, F.S	Not Applicable	Addressed	Private Property Rights Element adopted per Ordinance 21-09
8	Amendment or Cancellation of a Development Agreement - allow a party to a development agreement and a local government to amend or cancel a development agreement without consent of other affected property owners	Section 163.3237, F.S	Applicable *NOTE: City is not required to add reference to cancellation of development agreements but may at their discretion*	Not addressed	Future Land Use Element
9	Land Development Regulations - Adds new subsection (5) to specify that land development regulations relating to building design elements may not be applied to a single-family or two-family dwelling except under certain listed conditions	Section 163.3202, F.S	Applicable	Future Land Use Element contains design standards for single-family residential dwelling types	Future Land Use Element
10	Allows landowners with a development order approved before the municipality was incorporated to abandon said development order and develop the order's vested density and intensity as long as the vested uses, density, and intensity are consistent with the municipality's comprehensive plan and all existing concurrency obligations in the development order remain in effect.	Section 163.3167, F.S	Not Applicable	Not Addressed – City incorporated in 1895 prior to issuance of any development orders	N/A
11	Process for Adoption of Small-Scale Comprehensive Plan Amendment – changes to 50 acres or fewer	Section 163.3187, F.S	Applicable	Plan does not reference maximum acreage for small-scale amendments	N/A
2022: [Chapter 2022-83, Chapter 2022-122, section 1, Laws of Florida, Effective July 1, 2022; Chapter 2022-183, section 5, Laws of Florida, Effective July 1, 2022; Chapter 2022-204, section 2, Laws of Florida, Effective July 1, 2022]					
1	Floating Solar Facilities	Section 163.32051, F.S.	Applicable	Include reference to solar facilities as allowable use in all FLU categories	Future Land Use Element
2	Amending Concurrency Amends subsection (6)(h)2. to revise provisions specifying when school concurrency is deemed satisfied. • Requires the district school board to notify the local government that capacity is available for development within 30 days after receipt of the developer's legally binding commitment. • Specifies	Section 163.3180, F.S.	Applicable	Not Addressed	Public School Facilities Element

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
	that any proportionate-share mitigation directed toward a school capacity improvement not identified in the 5-year school board educational facilities plan must be set aside and not spent until such an improvement has been identified				
3	Updating Military Base Names: update two military base names to Patrick Space Force Base and Cape Canaveral Space Force Station, associated with Brevard County and Satellite Beach.	Section 163.3175, F.S.	Not Applicable	N/A	N/A
4	Coastal Management, adding Putnam County to the Florida Seaport Transportation and Economic Development Council	Section 163.3178, F.S.	Not Applicable	N/A	N/A
2023: [Chapter 2023-17, section 2, Laws of Florida, Effective July 1, 2023; Chapter 2023-115, section 1, Laws of Florida, Effective July 1, 2023; Chapter 2023-31, section 2, Laws of Florida, Effective July 1, 2023]					
1	Introduces the "Live Local Act", that makes various changes and additions to affordable housing programs at the state and local levels.	Section 125.01055, F.S.	Applicable *NOTE: City is not required to include Live Local Act policies to Plan but may at their discretion*	Not Addressed	Future Land Use & Housing Elements
2	Local Government Comprehensive Plans; Providing that the prevailing party in a challenge to a plan or plan amendment is entitled to recover attorney fees and costs; providing that the prevailing party in a challenge to the compliance of a small-scale development order is entitled to recover attorney fees and costs, etc.	Section 163.3184, F.S.	Applicable *NOTE: City is not required to include this reference but may at their discretion*	N/A	N/A
3	Revising the planning periods that must be included in a comprehensive plan; requiring local governments to determine if plan amendments are necessary to reflect a certain minimum planning period; requiring, rather than encouraging, a local government to comprehensively evaluate and update its comprehensive plan to reflect changes in local conditions; requiring the state land planning agency to provide population projections if a local government fails to update its comprehensive plan, etc.	Section 163.3191, F.S.	Applicable	Planning Period is 2020-2030 and not consistent with state law	Cover Page, Data & Analysis & All Elements
4	Requiring local government comprehensive plans to address the following:	Section 163.3177, F.S	Applicable	Not Addressed	Sanitary Sewer Element

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
	Within the schedule of capital improvements, any county or municipality with a Basin Management Action Plan (BMAP) within its jurisdiction must include a list of projects necessary to achieve the pollutant load reductions attributable to the local government as established in the BMAP (s. 163.3177(3)(a)4.b, F.S.) Within the general sanitary sewer, solid waste, drainage, potable water, and natural groundwater aquifer recharge element, local governments must address the upgrading of wastewater treatment facilities and prioritize advanced waste treatment (AWT), and, for local governments not included within a designated Rural Area of Opportunity, a section considering the feasibility of providing sanitary sewer services within a 10-year planning horizon to any development of more than 50 built or unbuilt residential lots with a density of more than one onsite sewage and disposal system (OSTDS; aka septic system) per acre must be included by July 1, 2024 (s. 163.3177(6)(c)3, F.S.)				
2024: [Chapter 2024-118, section 1, Laws of Florida, Effective May 16, 2024; Chapter 2024-266, sections 1 & 2, Laws of Florida, Effective October 1, 2024; Chapter 2024-22, section 1, Laws of Florida, Effective July 1, 2024; Chapter 2024-136, sections 1 & 2, Laws of Florida, Effective July 1, 2024]					
1	Amends provisions of the Live Local Act, prohibiting counties and municipalities, respectively, from restricting the floor area ratio of certain proposed developments under certain circumstances; authorizing counties and municipalities, respectively, to restrict the height of proposed developments under certain circumstances; requiring counties and municipalities, respectively, to maintain a certain policy on their websites; revising conditions for when multifamily projects are considered property used for a charitable purpose and are eligible to receive an ad	Section 125.01055, F.S.	Applicable *NOTE: City is not required to include Live Local Act policies to Plan but may at their discretion*	Not Addressed	Future Land Use Element

Changes to Chapter 163, F.S.		Chapter 163, F.S. Citations	F.S. Change Applicability to City of Cocoa	F.S. Change Addressed in Current Plan (where/how)	Amendment Required and Affected Element
	valorem property tax exemption, etc. APPROPRIATION: $100,000,000				
2	Defines mobility fee, mobility plan	Section 163.3164, F.S.	Applicable *NOTE: City has reference to evaluating mobility fees, further updates are discretionary*	Not Addressed	Transportation Element
3	Creates an Alternative Mobility Funding Systems and Impact Fees; Authorizes local governments to adopt alternative mobility plan & fee system; provides requirements for application of adopted alternative system; prohibits alternative system from imposing responsibility for funding existing transportation deficiency upon new development; prohibits local governments that do not issue building permits from charging for transportation impacts associated with development; requires local governments that issue building permits to collect for extra jurisdictional impacts; prohibits local governments from assessing multiple charges for same transportation impact; revises requirements for calculation of impact fees by local governments & special districts.	Section 163.3180, F.S.	Applicable *NOTE: City has reference to evaluating mobility fees, further updates are discretionary*	Not Addressed	Transportation Element
4	Requires local governments to cooperate with certain major military installations and ranges to encourage compatible land use in associated areas, etc.	Section 163.3175, F.S.	Not Applicable	N/A	N/A
5	Repeals provisions relating to inactive community redevelopment agencies	Section 163.3756, F.S. (Repealed)	Not Applicable	N/A	N/A
6	Prohibits the creation of new neighborhood improvement districts after a date certain	Section 163.504, F.S.	Not Applicable	N/A	N/A

APPENDIX B: ELEMENT BY ELEMENT REVIEW

The following tables are intended as summary of observations of the Comprehensive Plan to date related to consistency with the significant changes to Florida Statutes since the last update to the City of Cocoa Comprehensive Plan.

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
GOAL 1: Create and maintain a broad range of land use activities that maximize the City's potential as a growth center while protecting the public health, safety, welfare, and appearance through the thoughtful planned use and development of the land and public facilities.	N/A	NO
OBJECTIVE 1.1: The City hereby establishes land use categories and a Future Land Use Map (FLUM) that provide for compatible and coordinated land uses, allowing for the protection of natural and historic resources as well as maximizing economic development opportunities.	N/A	NO
POLICY 1.1.1.1: Land Use Categories. The adopted FLUM contains and identifies appropriate locations for the following land use categories. The maximum densities/intensities shown in Figure FLU-1 are not guaranteed for all sites within each category. The zoning map and land development regulations may impose tighter densities and intensities of development based on land use allocation criteria policies.	N/A	NO
POLICY 1.1.1.2: Density/Intensity Standards for Future Land Use Categories. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments density and/or intensity shall be measured and regulated pursuant to Figure FLU-1.	N/A	NO
Objective 1.1.2: Location Criteria for Land Uses. Future land use categories and land development regulations shall be consistent with the density and intensity standards in Policy 1.1.1.1 and be based upon the following locational and development standards and criteria: (tables on pages I-1 and I-2)	N/A	NO
Policy 1.1.2.1: Rural/Urban Transition (RUT). Rural/Urban Transition land use is intended to preserve conservation areas, and to provide opportunities for agricultural activities along with some residential developments. This designation will also allow for necessary	Include reference to solar facilities as allowable use in Rural/Transition FLU category	YES

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
supporting services such as utilities, parklands, and education facilities. The following criteria shall be used for determining appropriate locations for rural/urban transition areas. A. Whenever an agricultural operation is annexed, the RUT land use may apply. The farming and agricultural operations may continue per the conditions set forth in the annexation agreement for the property. The continuation of agricultural uses and supporting ancillary facilities will contribute to the preservation of large expanses of open space while protecting sensitive environmental resources. B. If more than one residential unit is developed on a parcel classified as RUT pursuant to this policy, the units may be clustered.		
Policy 1.1.2.2: Very Low Density Residential (VLDR). Very low-density residential areas consist of neighborhoods of single family detached housing. The following criteria shall be used for determining appropriate locations for very low density residential areas. A. Very low-density residential areas shall be buffered from the nuisance effects of agricultural uses, higher intensity uses and major traffic corridors. B. Very low density residential developments should be located in areas where more intensive development would be unwarranted due to environmental constraints.	N/A	NO
Policy 1.1.2.3: Low Density Residential (LDR). Low-density residential areas are neighborhoods of single family detached housing, limited multiple family attached housing and limited clustered single family attached housing. Institutional, open space and recreational uses are also allowed in this category. The following criteria shall be	Address Chpt 163: Land Development Regulations - Adds new subsection (5) to specify that land development regulations relating to building design elements may not be applied to a single-family or two-family dwelling except under certain listed conditions	

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
used for determining appropriate locations for low density residential areas. A. Low-density residential areas shall be buffered from the nuisance effects of higher intensity uses and major traffic corridors. B. Low density residential developments should be located in areas where more intensive development would be unwarranted due to environmental constraints, incompatible with surrounding land uses, or where criteria set forth in Paragraph c, below, cannot be met. C. The City may permit increased densities up to 12 units per acre as part of planned residential development or planned redevelopment activities based on the following criteria: 1. Redevelopment through rehabilitation and improvement of substandard or deteriorating housing. 2. For planned redevelopment activities, preservation and improvement of neighborhoods containing affordable single family and multiple family housing, especially where neighborhoods contain vacant lots or abandoned commercial uses. 3. Use of a variety of building and site designs, housing types and efficient construction techniques that lower construction costs and result in lowering housing cost. 4. Provide for more efficient use of land and protection of the existing neighborhoods, natural systems, and historic resources. D. Clustered single family attached housing may be permitted with City Council approval, at a maximum of seven (7) units per acre, provided the development meets at least one of the qualifying criteria, is a deed restricted community, and conforms to the development standards included in the City's land development code and design criteria listed below. 1. Qualifying Criteria: (a) Preservation of environmentally sensitive areas. (b) Topographical constraints limiting the developable portion of the land.		

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
2. Development Standards: (a) Land area and project density standards shall be as follows: (1) Minimum of one (1) acre and no more than seven (7) acres. (2) Minimum of seven (7) dwelling units and no more than forty-nine (49) dwelling units. (b) A project shall not be located within one-half mile of another project developed under this policy. (c) A minimum of twenty percent (20%) of gross site acreage shall be developed as useable open space and active recreational facilities. (d) A minimum of ten percent (10%) of developed units shall be set aside and priced affordably for qualified moderate income level families. (e) The development project shall provide a fifteen (15) foot landscaped buffer along property lines adjoining single family residential land uses developed with detached housing. 3. Design Standards: (a) Individual lots, buildings, streets and parking areas should be designed and situated to minimize disruption to the site's natural drainage and topography. (b) Buildings developed under this policy shall contain no more than five (5) residential dwelling units per building. (c) To preserve and promote the single family nature of the development project, single family attached housing units shall only be horizontally attached and front facades shall be staggered. (d) Each dwelling units shall vary architecturally so that each presents a distinct and unique appearance as a single family		

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
residential unit. Not more than three units per building and no two adjoining units shall have the same architectural appearance and style. (e) Buildings shall be finished on all sides with permanent finished materials of consistent quality. Major exterior surfaces of all primary structures shall be face brick, architectural concrete, glass, stucco, synthetic stucco, decorative block, or stone. 4. Development Agreement. The City Council may require a development agreement as a condition of approving any clustered, single family attached housing project. Said agreement shall memorialize all conditions and safeguards deemed necessary by City Council and shall be recorded in the public records of Brevard County as a binding covenant on the subject property.		
Policy 1.1.2.4: Medium Density Residential (MDR). Medium density residential areas shall be regarded as areas of moderate density detached and attached housing. The following criteria shall be used for determining appropriate locations for medium density residential areas. A. Medium density residential areas shall have access to a minor collector street, and preferably, to a major collector street or one of higher functional classification. B. These areas should have convenient access to community services. C. New developments approved in accordance with the comprehensive plan shall provide amenities to include open space and buffering as required in the City's Land Development Regulations.	N/A	NO
Policy 1.1.2.5: High Density Residential (HDR). High-density residential areas shall be deemed to be areas of attached multi-unit dwellings and detached housing where a mixture of unit types and a variety of buildings may be permitted. The following criteria shall	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
be used for determining appropriate locations for high density residential areas. A. High-density residential areas shall have access to a major collector street or a roadway with a higher functional classification. B. It is the intent of the City to provide these areas with safe and convenient pedestrian access to nearby recreation and shopping facilities.		
Policy 1.1.2.6: Mixed-Use (MU). The Mixed-Use land use category is intended to provide a mixture of residential, commercial, office, recreational and institutional uses along the major transportation corridors (such as SR 520 and US 1). The mixed-use could be developed as single uses on separate parcels or as a mixture of uses within a single development. Based on current land use trends, the City estimates that the mix of uses in the mixed-use category will be 50 percent residential and 50 percent non-residential. The Floor Area Ratio (FAR) measure shall not be applied to residential developments, or the residential portion of a mixed-use building or development. The following criteria shall be used for determining appropriate locations for mixed-use land use areas. A. Areas within a quarter mile walking distances of public transit stations, transitional areas between high and low intensity uses, and areas adjacent to major corridors within the City are appropriate for Mixed-Use category. B. The land development regulations implementing this category shall encourage a compact and walkable environment to reduce vehicle miles of travel and encourage use of public transit. C. Development within mixed-use shall be encouraged to follow Transit Oriented Design (TOD) principles. D. Unified architectural and streetscape themes are encouraged for all developments within the Mixed-Use category.	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
E. Mixed use buildings within a single development will be highly encouraged in this category. F. For a mixed-use building, only retail sales, offices and services and restaurants are permitted on the ground floor. G. If residential housing units are developed as part of a vertical mixed use project a bonus of up to 5 units per acre may be achieved. H. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments, a mix of 50% residential and 50% non-residential land area split shall be utilized.		
Policy 1.1.2.7: Regional Activity Center (RAC). The City's Future Land Use Map may be amended to include one or more Regional Activity Centers, as a separate and distinct future land use designation. The City shall seek opportunities to work with the private development sector to promote and plan one or more compact, high intensity, multi-use developments that will enhance the City's tax base, provide new employment opportunities and promote additional compatible development within the City. Development within any designated Regional Activity Center shall comply with the requirements of the following policies (inclusive of the applicable Subarea Policies) and all other applicable Comprehensive Plan Policies. A. Development within this category shall include a minimum of three of the following land uses: commercial, office, residential, hotel or industrial uses and shall conform to the following development criteria: 1. Minimum land area included within the Regional Activity Center: 50 acres; and 2. Minimum cumulative gross floor area of all nonresidential structures: 500,000 square feet;	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
3. Maximum cumulative floor area ratio for the entire Regional Activity Center: 0.50; 4. When a residential land use is a component of the development, the following shall apply: (a) Minimum cumulative gross floor area for all residential uses shall equal 25% of the cumulative gross floor area for all nonresidential uses. The minimum cumulative residential gross floor area shall only be reestablished after initial approval when increases in non-residential uses require a comprehensive plan amendment. (b) Maximum residential density: 25 dwelling units per acre 5. Maximum hotel/ intensity: 45 rooms per acre B. Each designated Regional Activity Center shall be subject to Subarea Policies that will establish the specific uses and maximum intensity standards applicable to that particular Regional Activity Center. C. Each designated Regional Activity Center shall be designed to provide services to, or be regularly used by, a significant number of citizens of more than one county; shall have direct access to a major arterial roadway that intersects with SR 528 or I-95; shall include a multi-modal circulation system that is integrated with the City's overall pedestrian, bicycle and transit systems; and shall be compatible with adjacent uses. D. Each designated Regional Activity Center shall be developed in a sustainable manner where development and design standards commonly associated with the urban design concepts of Traditional Neighborhood Design (TND) and Neo-Traditional		

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
planning principles shall serve as guiding principles, generally complying with the following: 1. Uses shall be mixed and intermingled such as commercial and residential; commercial and office; and or office and residential, 2. Site design shall provide for equal opportunities for vehicular and pedestrian travel internally throughout the site, with the exception of any portion developed wholly as industrial, 3. Interconnectivity, vehicular and pedestrian, between land use zones shall be provided, 4. Site design shall incorporate Crime Prevention Through Environmental Design (CPTED) principles. E. Designated Regional Activity Centers shall be permitted to convert land uses and intensities within the adopted development program. 1. To ensure substantial conformity with the adopted development program and to retain the mixed-use character of a designated Regional Activity Center, a conversion of any land use category to another may only be permitted to increase or decrease by the below figures for each land use category. A proposed increase or decrease greater than the below figures shall require an amendment to the Comprehensive Plan, specifically to the Subarea policy governing the uses and intensities of the designated Regional Activity Center. (a) Commercial: 55,000 square feet or 10% whichever is greater (b) Office: 66,000 square feet or 10% whichever is greater (c) Residential: 55 units or 10% whichever is greater (d) Hotel: 83 rooms or 10% whichever is greater		

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(e) Industrial: 35 acres or 10% whichever is greater 2. To maintain an equivalent number of trips generated by a designated Regional Activity Center and to retain the internal trip capture characteristics, an increase (or decrease) to an approved land use category shall result in a corresponding decrease (or increase) to another approved land use category. 3. To ensure adequate public school capacity is available for designated Regional Activity Centers where a residential land use is part of the adopted development program, a proposed increase in residential land use of any amount shall require a school concurrency evaluation and determination to ensure adequate public school capacity is available to accommodate new students generated by the proposed increase in residential units. 4. For purposes of evaluating concurrency for potable water and wastewater facilities, the demand for the maximum potential development (the base development program plus the maximum allowable increase set forth above) shall be evaluated to ensure adequate public facilities are available to serve the development. F. Notwithstanding any other provisions in this Comprehensive Plan, development within a designated Regional Activity Center existing as of July 1, 2004 will be allowed to impact wetlands if such development is consistent with the Conservation Element. G. The development within a Regional Activity Center shall not reduce the flood storage capacity of the project site so as to impact adjoining properties or degrade the quality of the receiving surface water body. H. The development within a designated Regional Activity Center may utilize compensating storage to achieve the density or intensity authorized in the applicable Subarea Policies for the particular Regional Activity Center, provided that any proposed alteration to the 100-year floodplain or to isolated flood prone areas		

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shall not adversely impact the drainage of adjacent properties or public drainage facilities. I. If an endangered, threatened, or species of special concern is found on-site or there is evidence that the species may be present on-site following development, the development within a designated Regional Activity Center shall not commence unless and until the Florida Fish and Wildlife Conservation Commission approves a wildlife management plan (which may include offsite relocation or mitigation, as appropriate). J. To conserve energy and reduce solid waste production, development within a designated Regional Activity Center shall have a unified solid waste management plan that provides for recycling of materials including glass, paper, aluminum, and plastics. K. To reduce the demand for potable water, development within a designated Regional Activity Center shall connect to the City's wastewater reuse system. L. To provide a visually pleasing sense of place, all development within a designated Regional Activity Center shall be subject to a coordinated set of design guidelines for street furniture, signage, landscaping, and public spaces that shall be reviewed and approved by the City's Community Development Director prior to issuance of the first building permit. M. To reduce the potential for mobile source emissions individual sites developed within a designated Regional Activity Center shall: 1. Plant vegetative landscape strips along major transportation corridors; 2. Be designed to encourage walking, biking, or mass transit usage to reduce the need for vehicular use; 3. Connect to existing or planned bicycle and pedestrian systems in accordance with the City's Bicycle Path Plan.		

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N. Brevard Crossings Regional Activity Center. The City hereby establishes the following standards for the Brevard Crossings Regional Activity Center. Subarea Policy 1: The Future Land Use Map as amended on March 12, 2002 shows the location of the approved Brevard Crossings Regional Activity Center. The designated area has been determined by the City to be appropriate for development as a Regional Activity Center. Subarea Policy 2: Unless increased in accordance with Future Land Use Element Policy 1.1.2.7.E, the Brevard Crossings Regional Activity Center may include a mix of only the following uses and intensities: • 1,710,000 square feet of commercial uses; • 300 hotel rooms; and • 80,000 square feet (3,300 seat) theatre. Subarea Policy 3: Commercial and office uses shall generally be oriented internal to the site, as opposed to SR 524 exclusively. Buildings shall be oriented toward the street and no greater than two bays of parking shall be permitted between primary structures fronting SR 524 public right of way.		
Annexed lands at the time of the initial City land use designation shall be exempt from the above study requirements provided the lands proposed for Neighborhood Commercial designation maintained a Brevard County Neighborhood Commercial future land use designation and no net increase in density or intensity will occur as a result of the City future land use designation. Notwithstanding the exemption from the above requirement any future land use map amendment is still subject to the requirements of Chapter 163 Part II Florida Statutes (F.S.). and Rule 9J-5 Florida Administrative Code.	N/A	NO
Policy 1.1.2.9: Commercial (COMM). Commercial areas are intended to be areas that serve several neighborhoods, sub-regional and	N/A	NO

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regional areas and provide an array of retail, personal and professional uses. The following criteria shall be used for determining appropriate locations for commercial land use designations on the future land use map. A. Commercial areas shall have direct access from a four-lane collector or two-lane arterial. B. New commercial uses shall be discouraged from linear development and shall be encouraged to develop in clusters, with coordinated parking facilities, and with frontage roads where practical. C. Maximum Floor Area Ratio (FAR): 1.0. Within the Cocoa Redevelopment Area, the maximum FAR shall be 2.0. A density bonus of up to an additional 2.5 FAR shall be allowable within the Central Business District outside the Cocoa Village Overlay. D. The following factors shall be considered when designating new commercial areas or expanding existing commercial areas. 1. Land Use Compatibility Study. The applicant shall analyze and consider the potential impact of a proposed Commercial area or Commercial area expansion on the character of the surrounding uses, neighborhoods and natural environment. 2. Transportation Study. The applicant shall prepare and submit a study demonstrating that the transportation systems affected by the proposed Commercial areas have sufficient current and projected capacity to the handle the travel demand generated by the increased intensity. Additionally, transportation studies shall address the requirements and level of service standards of the Transportation Element. 3. Market Study. The applicant shall prepare and submit a market study to demonstrate market demand and economic potential for a proposed Commercial area. The market study should include data and analysis concerning the existing, planned and approved		

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supply of commercial property within the market area, occupancy patterns and trends, the demand for commercial uses allowed under the Commercial designation and the demand for the commercial uses specifically proposed. 4. The City may also consider the following qualitative factors when reviewing proposed Commercial areas: (a) Whether existing vacant Commercial land in the market area can accommodate the size, shape, location, visibility, and access requirements of the proposed uses. (b) Whether the proposed use is dependent upon proximity to another specific use. (c) Whether opportunities are available to redevelop existing Commercial land within the market area. (d) Whether opportunities are available to assemble multiple parcels of existing Commercial land under separate ownership. (e) Whether the proposed designation will encourage reinvestment in deteriorating or underutilized area, protect property values, discourage the proliferation of low intensity strip commercial uses and promote infill development. E. At the discretion of the Planning and Zoning Administrator applicant submitted transportation or market studies may be waived for small scale future land use map amendments. F. Annexed lands at the time of the initial City land use designation shall be exempt from the above study requirements provided the lands proposed for Neighborhood Commercial designation maintained a Brevard County Neighborhood Commercial future land use designation and no net increase in density or intensity will occur as a result of the City future land use designation. Notwithstanding the exemption from the above requirement any future land use map amendment is still subject to the		

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requirements of Chapter 163 Part II Florida Statutes (F.S.). ~~and Rule 9J-5 Florida Administrative Code.~~ G. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments, a mix of 85% non-residential and 15% residential land area split shall be utilized		
Policy 1.1.2.9: Commercial (COMM). Commercial areas are intended to be areas that serve several neighborhoods, sub-regional and regional areas and provide an array of retail, personal and professional uses. The following criteria shall be used for determining appropriate locations for commercial land use designations on the future land use map A. Commercial areas shall have direct access from a four-lane collector or two-lane arterial. B. New commercial uses shall be discouraged from linear development and shall be encouraged to develop in clusters, with coordinated parking facilities, and with frontage roads where practical. C. Maximum Floor Area Ratio (FAR): 1.0. Within the Cocoa Redevelopment Area, the maximum FAR shall be 2.0. A density bonus of up to an additional 2.5 FAR shall be allowable within the Central Business District outside the Cocoa Village Overlay. D. The following factors shall be considered when designating new commercial areas or expanding existing commercial areas. 1. Land Use Compatibility Study. The applicant shall analyze and consider the potential impact of a proposed Commercial area or Commercial area expansion on the character of the surrounding uses, neighborhoods and natural environment. 2. Transportation Study. The applicant shall prepare and submit a study demonstrating that the transportation systems affected by the proposed Commercial areas have sufficient current and projected capacity to the handle the travel demand generated by the increased intensity. Additionally, transportation studies shall	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
address the requirements and level of service standards of the Transportation Element. 3. Market Study. The applicant shall prepare and submit a market study to demonstrate market demand and economic potential for a proposed Commercial area. The market study should include data and analysis concerning the existing, planned and approved supply of commercial property within the market area, occupancy patterns and trends, the demand for commercial uses allowed under the Commercial designation and the demand for the commercial uses specifically proposed. 4. The City may also consider the following qualitative factors when reviewing proposed Commercial areas: (a) Whether existing vacant Commercial land in the market area can accommodate the size, shape, location, visibility, and access requirements of the proposed uses. (b) Whether the proposed use is dependent upon proximity to another specific use. (c) Whether opportunities are available to redevelop existing Commercial land within the market area. (d) Whether opportunities are available to assemble multiple parcels of existing Commercial land under separate ownership. (e) Whether the proposed designation will encourage reinvestment in deteriorating or underutilized area, protect property values, discourage the proliferation of low intensity strip commercial uses and promote infill development. E. At the discretion of the Planning and Zoning Administrator applicant submitted transportation or market studies may be waived for small scale future land use map amendments.		

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F. Annexed lands at the time of the initial City land use designation shall be exempt from the above study requirements provided the lands proposed for Commercial designation maintained a Brevard County Community Commercial future land use designation and no net increase in density or intensity will occur as a result of the City future land use designation. Notwithstanding the exemption from the above requirement any future land use map amendment is still subject to the requirements of Chapter 163 Part II F.S.		
Policy 1.1.2.10: Industrial (IND). Industrial areas shall be regarded as appropriate for activities associated with industrial development, which can include materials processing, materials assembly, product manufacturing, and storage of finished products. Uses can include manufacturing facilities, warehouse distribution centers and truck terminals. The following criteria shall be used for determining appropriate locations for industrial land use designations on the future land use map. A. Industrial areas shall also serve as an area to locate businesses with principal uses and activities which could have adverse secondary effects (i.e., increase crime; neighborhood deterioration and blight; property devaluation; economic deterioration; and health risks) on residential areas, religious establishments, schools, parks, or day care centers located within the City; including, but not limited to adult entertainment establishments. B. Commercial and office uses that are complementary to and support industrial development and operations may be permitted within industrial designated areas. C. Future industrial areas should be planned with extensive landscaping, and coordinated parking. Industrial areas shall have immediate access to a two-lane collector and/or two-lane arterial. D. Industrial development shall be designed to minimize the negative impacts on lower intensity land uses through such means as, for example, landscaping and appropriate transitional uses	N/A	NO

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including low scale professional offices or medium density residential development.		
Policy 1.1.2.11: Institutional (INST). The Institutional land use category is intended to accommodate existing and planned public and semipublic services including: governmental buildings; public schools and educational institutions; hospital facilities and supportive health care units; arts and cultural or civic facilities; essential public services and facilities; cemeteries; fire and emergency operation facilities; utilities; extensive open areas comprising major committed public and semipublic open spaces, and other similar activities. The following criteria shall be used for determining appropriate locations for institutional land use designations on the future land use map. A. Public, semi-public and institutional uses shall also be allowed within other land use categories as support uses and as provided for in the zoning regulations. B. The City shall monitor the need for increased land area for public/institutional uses and shall assure that this land use category on the FLUM is expanded to accommodate the development of public and semi-public facilities (such as governmental buildings; fire, police and rescue services; educational institutions and similar public uses), and facilities that are generator of private sector activities (such as civic centers, museums and arena).	N/A	NO
Policy 1.1.2.12: Open Space/Recreational (OS-REC). The open space/recreational land use category is intended to accommodate existing and planned public and private parks and recreation areas and extensive open space areas such as the golf courses; and similar uses. The following criteria shall be used for determining appropriate locations for open space/recreation land use designations on the future land use map.	N/A	NO

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A. Except as required for other public purposes, publicly owned land identified as open space/recreational on the Future Land Use Map will only be used for park, recreational, and ancillary uses. B. In designating open space recreational areas, the City will assure consistency with policies provided in the Recreation and Open Space Element. C. Through the development review process and Capital Improvements Program, the City will attempt to link open space areas to residential areas by bikeways, sidewalks, or footpaths. D. In developing open space and recreational areas, the City will minimize or eliminate the impact of active uses on sensitive environmental features to the maximum extent possible.		
Policy 1.1.2.13: Conservation (CONS). The Conservation Future Land Use Category is intended to protect environmentally sensitive natural resource systems as defined in Chapter 163 Part II F.S. The following criteria shall be used for designating properties as Conservation on the Future Land Use Map. A. Any Future Land Use Map amendment adopted after December 1, 2003 shall assign the Conservation Future Land Use Category to wetlands within the area subject to amendment. B. The boundaries of the Conservation Future Land Use category may be adjusted to be consistent with a wetland jurisdictional line determination by the SJRWMD without the need for a comprehensive plan amendment. In those areas initially presumed but later determined not to be classified as a wetland will take on the future land use category assigned to the upland portion of the development site. C. At the time of development, wetlands within the Conservation Future Land Use category shall be encumbered by a perpetual conservation easement.	N/A	NO

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D. Allowable uses, intensities, and impacts within the Conservation Future Land Use category shall be in conformance with those uses, intensities, and impacts listed in the Conservation Element		
Objective 1.1.3: Public Utilities. The City shall maintain regulations to require the provision of sufficient land area for the siting of public facilities and utilities to support development, redevelopment, land use plan amendments and changes to the zoning of a site.	N/A	NO
Policy 1.1.3.1: Prior to the issuance of a building permit, the City shall review the impacts of all development proposals on existing public facilities and services to ensure that service levels are not degraded below adopted level of service standards as adopted in this Comprehensive Plan.	N/A	NO
Policy 1.1.3.2: The City shall continue to require dedication of land for roadways, stormwater management and utilities	N/A	NO
Policy 1.1.3.3: Require new development to provide necessary services and facilities or to pay a fair share of the cost of those services and facilities, through impact fees, special assessments, exactions, conveyance of land or easements, pro-rata agreements or in-kind professional services directly related to the associated impact	No changes required for compliance with Florida Impact Fee Act, as amended.	NO
Policy 1.1.3.4: The City shall encourage requests for voluntary annexation of all the enclaves and logical extensions of the existing City limits to efficiently use public facilities and services, to eliminate areas of jurisdictional problems, and to provide for sound growth and development of the City and surrounding area.	N/A	NO
Policy 1.1.3.5: The City shall examine the utility of developing a Joint Planning Area agreement with Brevard County to address future development along the County/City interface. in the Intergovernmental Coordination Element.	N/A	NO

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Objective 1.1.4: Redevelopment. The City shall encourage redevelopment of areas that are exhibiting evidence of decline (i.e., disproportionate number of vacant, dilapidated and/or substandard structures) through redevelopment programs and through maintaining land development regulations that contain standards and procedures to encourage redevelopment where desirable.	N/A	NO
Policy 1.1.4.1: The City shall continue to promote vitality and redevelopment of the three community redevelopment areas established pursuant to Chapter 163, F.S.: Cocoa (Downtown) Redevelopment Area, Diamond Square Redevelopment Area and U.S. 1 Corridor Redevelopment Area.	N/A	NO
Policy 1.1.4.2: The highest densities and intensities of use in the Cocoa Redevelopment Area are in the Central Business District (CBD), designated commercial areas to the northwest of the CBD, designated mixed-use along US 1 and SR 520, and designated highdensity residential areas as shown on the Future Land Use Map. Development bonuses within the Cocoa (Downtown) Redevelopment Area are as follows: A. Within the Cocoa (Downtown) Redevelopment Area, the maximum FAR shall be 2.0. A density bonus of up to an additional 2.5 FAR shall be allowable within the Central Business District outside the Cocoa Village Overlay subdistrict. B. Certain areas within the Cocoa (Downtown) Redevelopment Area may achieve up to an additional 25 units per acre.	N/A	NO
POLICY 2.1.5: The LDC's shall establish landscape requirements for all commercial areas.	N/A	NO
Policy 1.1.4.3: The City shall redevelop the Central Business District as a viable business district while preserving the historic character of Cocoa Village and of adjacent historic resources, housing and residential neighborhoods, and with protecting natural resources	N/A	NO
Policy 1.1.4.4: The CBD overlaps with the Cocoa (Downtown) Redevelopment Area. The three redevelopment areas outside the	N/A	NO

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CBD are intended to complement, and not compete, with the CBD		
Policy 1.1.4.5: The City shall protect and buffer residential areas in the Cocoa (Downtown) Redevelopment Area from uses of high density or intensity.	N/A	NO
Policy 1.1.4.6: The City shall redevelop affordable housing in the Cocoa (Downtown) Redevelopment Area through rehabilitation programs and shall redevelop vacant lots for housing in residential areas by, for example, developing an affordable housing bonus program with the private sector	N/A	NO
Policy 1.1.4.7: The adopted Community Redevelopment Area plans shall be consistent with the City's Future Land Use Map	N/A	NO
Policy 1.1.4.8: The City shall continue to monitor and, as appropriate, conduct parking studies to examine the demand and availability of parking in the Cocoa (Downtown) Redevelopment Area.	N/A	NO
Policy 1.1.4.9: On a continuing basis, the City shall review and update, as necessary, the Redevelopment Area Plans	N/A	NO
Policy 1.1.4.10: The City will encourage infill development and redevelopment in blighted areas or areas in transition, and encourage new housing development in appropriate areas where community services exist or are programmed to occur	N/A	NO
Policy 1.1.4.11: The City shall encourage the public to identify established neighborhoods in need of revitalization and develop neighborhood plans with resident participation to establish steps to clean up, reuse, infill and redevelop as needed.	N/A	NO
Policy 1.1.4.12: The City shall coordinate redevelopment issues with the private sector to promote mobilization of public and private resources necessary to effectively carry out redevelopment efforts.	N/A	NO
Objective 1.1.5: Neighborhood Protection. The City shall ensure that additional growth and development will be respectful of established neighborhoods that define much of the City's character.	N/A	NO
Policy 1.1.5.1: More intense development such as commercial, mixed-use and industrial uses shall be designed to minimize the negative impacts on lower intensity land uses through such	N/A	NO

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means as, for example, landscaping and appropriate transitional uses including low-scale professional offices or medium density residential development. In the absence of transitional land uses, potential adverse impacts to surrounding residential should be mitigated through the use of: A. Buffer areas that will provide a separation between commercial and single-family residential structures; B. Landscaping and/or trees separating the commercial and residential land use; and C. Walls and/or opaque vegetative screens separating the commercial and single-family residential land use.		
Policy 1.1.5.2: The City shall consider developing neighborhood plans, as needed, to either strengthen preservation of established neighborhoods or encourage redevelopment of transitional neighborhoods.	N/A	NO
Policy 1.1.5.3: The City's land development regulations shall maintain appropriate standards and nuisance regulations to limit the impact of more intense development on established residential zones.	N/A	NO
Objective 1.1.6: Historic and Archeological Resources. All development activities undertaken in the City will be consistent with and supportive of the plan's goals, objectives, and policies for protecting historic and archeological resources.	N/A	NO
Policy 1.1.6.1: The City shall undertake the necessary steps to identify its historical and archeological resources and create a local register of historic places. The local register will list all the properties within the City that have been designated as an individual historic resource or historic districts	N/A	NO
Policy 1.1.6.2: The City shall consider creating design regulations to protect the locally designated historic sites and districts.	N/A	NO
Policy 1.1.6.3: The City shall consider a historic preservation ordinance to protect significant historic, cultural and archaeological resources.	N/A	NO

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Policy 1.1.6.4: Nominations may, with the owner's consent, be made to the National Historic Registers based upon the periodic review of properties.	N/A	NO
Policy 1.1.6.5: The City shall facilitate the education of the public regarding the significance and historic values associated with the City's architectural, historical, geological, and archaeological resources, and the costs associated with the loss of such resources	N/A	NO
Policy 1.1.6.6: The City shall give consideration to the establishment of an historic zoning district	N/A	NO
Policy 1.1.6.7: The City shall establish a program for public, private, or public and private purchase, within funding capabilities, of development rights to preserve properties identified as historically significant at local or national levels.	N/A	NO
Policy 1.1.6.8: The City shall adopt land development regulations that include a requirement for development plans in any areas of the City to identify potential historic resources, to mitigate adverse impacts of development on potentially significant historic resources and to minimize any adverse impacts of development on sites or structures identified as historically significant, except when demolition is required because neither rehabilitation nor relocation is practical	N/A	NO
Policy 1.1.6.9: The City shall look for funding, including grants, to update and expand the 1991 "Historic Buildings of Cocoa" survey	N/A	NO
Policy 1.1.6.10: The location and density of new residential development shall be compatible with historic and natural resources	N/A	NO
Objective 1.1.7: Natural Resources. Natural resources, environmental lands and coastal resources shall be protected through identification, classification, planning and management, and limitations on use consistent with the degree of protection required	N/A	NO
Policy 1.1.7.1: The City shall protect and conserve its wetlands and wetland functions through the implementation of the Conservation Element	N/A	NO
Policy 1.1.7.2: The City shall regulate land use and development to protect water resources and the functions of natural drainage	N/A	NO

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through limiting the percent of impervious coverage for development sites consistent with the Impervious Surface Ratios (ISR) contained in Figure FLU-1 and the Stormwater Management Element		
Policy 1.1.7.3: The City shall include regulations in its land development code that ensure consideration of topography and soil types in the review of proposed development projects to ensure minimal impact on the environment	N/A	NO
Policy 1.1.7.4: Flood plains and floodways shall be identified during the development review process and development shall be limited consistent with FEMA requirements.	N/A	NO
Objective 1.1.8: Coastal Planning Areas. The City shall ensure the protection of coastal resources such as marine wildlife, wetland areas, shoreline vegetation and water quality	N/A	NO
Policy 1.1.8.1: Proposed land use plan amendments shall be coordinated with the Brevard local mitigation strategy and the regional hurricane evacuation study.	N/A	NO
Policy 1.1.8.2: Population densities in the Coastal High Hazard Areas (CHHA) shall be coordinated with the East Central Florida Regional Planning Council Hurricane Evacuation Study, as updated from time to time.	N/A	NO
Policy 1.1.8.3: The City shall implement the applicable recommendations of the Brevard Local Mitigation Strategy as practical and feasible. Policy	N/A	NO
Policy 1.1.8.4: The City shall coordinate proposed land use plan amendments with the Indian River Lagoon Comprehensive Conservation & Management Plan and the Brevard County Manatee Protection Plan. Policy	N/A	NO
Policy 1.1.8.5: Construction of new marinas or improvements to the existing marinas shall be consistent with criteria listed in the Coastal Management Element.	N/A	NO
Objective 1.1.9: Sustainability/Energy Efficiency. The City shall aim at achieving a sustainable/energy efficient environment by minimizing the emission of greenhouse gases and reducing the vehicle miles traveled	N/A	NO

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Policy 1.1.9.1: The City shall encourage the development community to obtain green certifications under the United States Green Building Council, Florida Green Building Coalition, Florida Yards and Neighborhoods Program, Energy Star and Florida Water StarTM programs by providing incentives that make these certifications advantageous.	N/A	NO
Policy 1.1.9.2: The City shall promote walking, bicycle riding and use of public transit by requiring compact design, shared facilities between adjacent or nearby uses, and providing for interconnected walkways, bicycle ways and parking, and bus stops as part of development approvals, where applicable	N/A	NO
Policy 1.1.9.3: The City shall continue to utilize and enhance bicycle parking standards, including quantity and location of bike racks, to help reduce parking demand and encourage the use of alternative transportation modes.	N/A	NO
Policy 1.1.9.4: The City will support, as applicable, incentives and programs by State and federal governments to promote energy efficiency and conservation and the use of solar and other clean alternative energy sources. The City will also consider the provisions of incentives to support developers interested in building green projects.	N/A	NO
Policy 1.1.9.5: The City will promote education of City Staff and public awareness in energy conservation practices and promote green certifications.	N/A	NO
Policy 1.1.9.6: The City will support, as applicable, intergovernmental programs with adjacent jurisdictions to promote energy conservation and education support, as applicable, intergovernmental programs with adjacent jurisdictions to promote energy conservation and education.	N/A	NO
Objective 1.1.10: Plan Implementation. The City shall maintain, amend and develop land development regulations that guide future growth and development, discourage the proliferation of urban sprawl and implement the goals, objectives and policies of this comprehensive plan	N/A	NO

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Policy 1.1.10.1: The City shall maintain land development regulations as required by F.S. that shall contain specific and detailed provisions required to implement the Comprehensive Plan	N/A	NO
Policy 1.1.10.2: Future development and redevelopment activities shall be directed toward appropriate areas considering the topography, soil conditions and availability of facilities and services, and consistent with sound planning principles, minimal natural constraints, and the goals, objectives, and policies provided in the Comprehensive Plan.	N/A	NO
Policy 1.1.10.3: Innovative land use development patterns, including PUDs and Cluster Zoning shall be permitted and encouraged in appropriate areas, as defined in the land development regulations.	N/A	NO
Policy 1.1.10.4: The City may permit non-residential uses (e.g., schools, churches, recreational facilities, and other public uses) in residential areas where such uses are compatible with residential uses.	N/A	NO
Policy 1.1.10.5: The City intends for future elementary and middle schools to be sited as closely to urban residential areas as practical, preferably within walking and/or bicycle distance of the primary residential areas to be served	N/A	NO
Policy 1.1.10.6: The City shall encourage the co-location of public facilities, such as parks, libraries, and community centers, with schools, to the maximum extent feasible	N/A	NO
Policy 1.1.10.7: Existing land uses which are incompatible or inconsistent with the City's Future Land Use Map will continue to be identified and addressed	N/A	NO
Policy 1.1.10.8: Within three years after the adoption of the comprehensive plan update, the City shall have eliminated all inconsistencies between the Official Zoning Map and the Future Land Use Map	N/A	NO
Policy 1.1.10.9: The City shall consider conducting a survey to identity the incompatible uses in the CRAs and major commercial corridors.	N/A	NO

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Policy 1.1.10.10: The City shall review the non-conforming section of the land development code to ensure its effectiveness	N/A	NO
Policy 1.1.10.11: Land development regulations must be made consistent with updates to the comprehensive plan within one year of the plan amendment submittal, as required by F.S.	N/A	NO
GOAL 1.2: The City of Cocoa shall place a strong emphasis on requiring quality integrated mixed-use development to improve the appearance of the City, increase property values and achieve a higher quality of life for its businesses, residents and visitors.	N/A	NO
Objective 1.2.1: Smart Growth Principles. New development in the City shall incorporate “Smart Growth” principles that will lead to compact development standards as opposed to conventional development standards that encourage urban sprawl	N/A	NO
Policy 1.2.1.1: The City should encourage public-private partnership to develop mixed-use projects at key-locations in the Central Business District, and entice others to do the same.	N/A	NO
Policy 1.2.1.2: Development in the Mixed-Use land use category shall provide pedestrian-friendly street design (examples: buildings close to street; providing porches, windows and doors oriented to the street; treelined streets; hidden parking lots; garages in rear; narrow, slow-speed streets)	N/A	NO
Policy 1.2.1.3: The City shall consider development incentives to encourage developers to revitalize/redevelop abandoned strip malls and commercial sites by converting them into mixed-use developments	N/A	NO
Policy 1.2.1.4: The City shall adopt a pedestrian routes and bike trails master plan. The plan may identify primary and secondary pedestrian routes and bike routes that will connect neighborhoods to parks, downtown and other major destinations in the City.	N/A	NO
Policy 1.2.1.5: The City shall increase coordination with SCAT to integrate bike routes and public transit in the City, to increase the transit safety and to expand the transit service routes.	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
Policy 1.2.1.6: New development, as well as infill development shall provide interconnected street grid networks, where feasible, to disperse traffic and encourage walkability. Developments may include a hierarchy of narrow streets, boulevards and alleys; high-quality pedestrian networks; designs that encourage a greater use of bicycles, rollerblades, scooters and walking as daily transportation; connectivity to public transit; and a land use mix that demonstrates reduced external trips by encouraging internal trips.	N/A	NO
Policy 1.2.1.7: Developments that require site plan review and approval shall be evaluated on the use of site and building design that emphasizes beauty, aesthetics, human comfort, creating a sense of place, special placement of civic uses and sites and human-scale architecture and amenities, especially at street level.	N/A	NO
Building height and intensification should follow a transect approach, with maximum intensities and heights (>80') allowed in the central business disitirct, medium intensities and heights (40' to 80') allowed within the mixed-use district, and the lowest intensities and heights (<40') allowed when transitioning into established low-density neighborhoods.	N/A	NO
Objective 1.2.2: Image and Identity. The City shall maintain and update its vision for the City's urban form as needed	N/A	NO
Policy 1.2.2.1: The City shall examine the feasibility of establishing form-based design guidelines for City-wide as well as for specific areas in the City including CRAs, major corridors and waterfront. The standards could include streetscape standards, building signage, architectural styles and gateway designs to highlight the entrances to the City.	N/A	NO
Policy 1.2.2.2: The City shall develop residential and commercial design standards to ensure attractive, compatible, safe, high-quality development and to encourage Crime Prevention Through Environmental Design (CPTED) principles in order to increase the safety of commercial and residential development	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
Policy 1.2.2.3: The City shall evaluate the need to amend the Land Development Code to incorporate CPTED principles for residential and commercial developments	N/A	NO
GOAL 1.3: The City of Cocoa shall enhance the quality of life and prosperity of its citizens through the retention and creation of a wide range of profitable business opportunities and jobs.	N/A	NO
Objective 1.3.1: Economic Base Enhancement. The City of Cocoa shall seek to establish and maintain a stable and growing economic base through strategic incentive programs and diversification of the economy.	N/A	NO
Policy 1.3.1.1: The City will establish a list of the types of businesses it should target to diversify the economy, which shall be known as "target businesses." Efforts to assist the retention and expansion of local business and attract new enterprises shall be concentrated on industry clusters which will make the greatest contribution to job growth and wealth creation.	N/A	NO
Policy 1.3.1.2: The City shall recruit targeted business sectors to diversify the economy through an aggressive strategic marketing program, including utilization of publications and a website, providing information and matching sites and services to prospective businesses, impact fee subsidies and other incentives.	No changes required for compliance with Florida Impact Fee Act, as amended.	NO
Policy 1.3.1.3: The City shall continue to assist developers of new and renovated commercial development by providing technical and administrative support regarding permitting and regulations to maintain a production capacity level sufficient to meet the demand. Technical assistance may include, but not be limited to the following: • Continue to foster partnerships with private and non-profit sector business groups that can help a business relocate, • Provide assistance in how to meet the development review requirements of the City and other regulatory agencies; and • A shortened review process for qualified businesses	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
Policy 1.3.1.4: The City shall work to improve the efficiency and convenience of its development review services to its business customers	N/A	NO
Policy 1.3.1.5: The City shall provide referral services to appropriate agencies for information and assistance to prospective and growing businesses in meeting zoning and infrastructure standards as well as requirements imposed by various government agencies	N/A	NO
Policy 1.3.1.6: The City will target businesses with incentive packages and programs including, Federal Opportunity Zones, Small Business Assistance programs, Community Façade Programs, HUB Zones, Tax Abatement programs, Brownfield Redevelopment program and Foreign Trade Zone.	N/A	NO
Policy 1.3.1.7: The City shall consider adding to the stock of available commercially, recreational and industrially zoned lands as when supply and demand begin to dictate need for more land	N/A	NO
Policy 1.3.1.8: The City shall maintain an office of Economic Development to coordinate between agencies, to develop economic development programs, to retain existing businesses and to actively recruit “target businesses” to the City.	N/A	NO
Policy 1.3.1.9: To involve community stakeholder, the City should consider creating an Economic Development Advisory Board consisting of local community and leaders.	N/A	NO
Policy 1.3.1.10: The City shall continue efforts to promote business/convention tourism, ecotourism, and sports related tourism in cooperation with the Brevard County Tourist Development Council.	N/A	NO
Policy 1.3.1.11: The City of Cocoa shall coordinate its economic development programs with other agencies, such as the Economic Development Commission of Florida’s Space Coast to expand opportunities	N/A	NO
Objective 1.3.2: Maintain Infrastructure. The City shall maintain adequate infrastructure for encouraging economic activities in the industrial and commercial sectors.	N/A	NO
Policy 1.3.2.1: To the extent financially feasible, the City shall continue providing adequate supporting infrastructure (i.e. paved	N/A	NO

2020 - 2030 Comprehensive Plan Future Land Use Element	Analysis/Recommendations	State Required Change
streets, sanitary sewer, drainage, potable water, etc.) in strategic locations throughout the City to appropriately entice economic development		
Objective 1.3.3: Workforce/Wage Enhancement: The City shall improve the quality of life and employability of its citizens by promoting and attracting high technology industries, and higher education opportunities	N/A	NO
Policy 1.3.3.1: To improve the training and education of its work force, the City of Cocoa shall coordinate with the Brevard County Public Schools, Brevard Community College, Webster University and the University of Central Florida	N/A	NO
Policy 1.3.3.2: The City shall work with other government agencies and businesses to match education opportunities to educational and employment needs	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
GOAL 2.1: The City shall provide a safe, efficient, and comprehensive multimodal transportation system available to all residents of and visitors to the City of Cocoa. When possible, these facilities should be developed so as to enhance the City's greenways	N/A	NO
Objective 2.1.1: Functionality. The City shall maximize existing roadway functionality through alternate modes of transportation	N/A	NO
Policy 2.1.1.1: The City shall maintain for the purpose of issuing building permits and development orders the following list of major roadway facilities: (Table on page II-I in current comp plan)	Updated	YES
Policy 2.1.1.2: The City shall require that traffic signalization, roadway signage, roadway intersections and operational capacities are designed to optimize traffic flow and enhance the roadway network on Citycontrolled streets. The City shall carry out the following actions on local streets as necessary, and shall petition the county and state, as appropriate, for action on county and state roadways: A. Traffic signals shall be computer-coordinated or fully actuated to affect optimal flow to the maximum extent possible; B. Roadway signage shall conform to the Manual of Uniform Traffic Control Devices (MUTCD) and provide a safe, clear indication of roadway design geometry, traffic hazards, upcoming roadways, and other applicable standards; C. Roadway intersection design shall include adequate storage lanes and turning lanes to facilitate movement through intersections; D. Ordinances shall be reviewed and amended as necessary in order to require safe and convenient flow of on-site traffic. Parking for motorized and non-motorized vehicles shall be regulated ; and E. Intersections shall be designed in accordance with appropriate access management and design manuals.	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
Objective 2.1.2: Transportation Concurrency. The City shall ensure that transportation facilities are available at the time of development.	N/A	NO
Policy 2.1.2.1: Since 2009, the City has been exempt from state-mandated transportation concurrency. However, the City will continue to monitor transportation as a matter of local law as addressed in this Comprehensive Plan.	N/A	NO
Policy 2.1.2.2: As part of the Concurrency Management System, the City shall review prop	N/A	NO
Objective 2.1.3: Mobility Strategies. The City shall develop mobility strategies to reduce the dependency on vehicles, reduce vehicle miles traveled and enhance alternative modes of transportation	N/A	NO
Policy 2.1.3.1: The City shall develop transportation mobility strategies that ensure the improvement of alternate modes of transportation and ultimately reduce the dependency of the automobile and include, but are not limited to: A. Providing a network of local streets, collectors and arterials to relieve traffic demand on state and federal highways, including development of parallel roadway facilities, grid street network and connectivity to disperse travel, and to provide convenient pedestrian and bicycle facilities; B. Managing access and traffic operations to minimize traffic accidents, avoid traffic backups and make the most efficient use of highway capacity, including signal timing optimization, access management plans and strategies, transportation systems management measures, and railroad grade crossing improvements; C. Managing traffic demand, where feasible, to manage peak hour traffic loads on major arterials, including working with local employment centers to implement staggered work shifts and flex time programs, telecommuting, ridesharing and vanpool programs, compressed work weeks and parking management;	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
D. Providing alternative modes of transportation such as bicycle and pedestrian facilities, expanded transit service, park and ride facilities; and E. Managing land use to limit vehicular demand on state and federal highways by encouraging compact land use and infill, transit oriented development, mixed use and higher density land use patterns		
Policy 2.1.3.2: The City shall evaluate the use of mobility fees in lieu of transportation impact fees	Amend policy to reference Florida Impact Fee Act, as amended, to address consistency with process for updating impact fees.	YES
Objective 2.1.4: Proportionate Fair Share. The City shall require new development to bear the full burden of the cost of roadway improvements necessitated by impacts to the roadway network caused by traffic generated by said development through the adopted site approval process	N/A	NO
Policy 2.1.4.1: The City shall utilize the principle of equitable cost participation in the following manner as a guide in development approval decisions, including allocation of costs among private parties benefiting from or creating the need for transportation improvements: A. New development shall be required to pay its fair share as a condition for development approval based on impact fees, special assessments or other local exaction methods. B. Existing unmet needs shall be identified, to include an assessment of the need and estimated cost of fulfillment. Assessment shall occur on an annual basis preceding budget adoption. C. Existing land uses and activities which benefit from better access shall be required to participate in the cost of the roadway improvement in the form of user fees or special assessments. New construction that is located on land improved with better access may be required to pay a pro-rata share of the cost.	No changes required for compliance with Florida Impact Fee Act, as amended.	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
D. Provisions shall be made in development orders to include the mitigation of adverse impacts on the state highway system		
Objective 2.1.5: Right-of-Way Preservation. The City shall formally identify rightof-way needs and a priority schedule for acquisition or reservation shall be maintained. Protection of existing right-of-way from building encroachment shall be assured	N/A	NO
Policy 2.1.5.1: The City shall require the dedication of rights-of-way and easements to support private development-related traffic and to maintain adequate levels of service on the roadway network. The developer shall bear the expense of the improvement through donation or dedication of rights-of-way to the extent legally permissible. The City may participate in the expense of the improvement only if the City determines that participation will significantly benefit the general public	N/A	NO
Policy 2.1.5.2: The City shall require that if the transfer of property is to be compensated by the entity building the roadway, the land value shall be assessed on the condition of the land prior to road improvements, not on an inflated value due to a new roadway being present	N/A	NO
Policy 2.1.5.3: The City shall reserve or pursue the purchase of right-of-way as far in the future as possible for planned roadway projects, so as to minimize excessive costs for land purchases and so that the locations and widths of these roads can be considered in ongoing transportation system planning and design activities	N/A	NO
Policy 2.1.5.4: The City shall initiate and coordinate the dedication of right-of-way necessary for roadway improvements identified in the TPO Plan or other officially recognized long-range plan with FDOT and Brevard County	N/A	NO
Policy 2.1.5.5: The City shall seek alternative funding sources for roadway improvements, including but not limited to, tax increment financing.	N/A	NO
Objective 2.1.6: Pedestrian and Bicycle Facilities. The City shall ensure safe and adequate movement of pedestrians and bicyclists.	N/A	NO
Policy 2.1.6.1: The City shall conduct pedestrian movement and safety studies to determine high travel patterns and accident areas, and remedial actions shall be taken by the City where	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
feasible and practical to mitigate safety problems where conditions have been determined to be unacceptable		
Policy 2.1.6.2: For new development and redevelopment projects, the City shall require sidewalks to be provided where feasible and appropriate along all roadways in or near residential areas that lead to: • recreation facilities; • schools; • commercial centers; and • employment centers when the need for such facilities has been identified.	N/A	NO
	N/A	NO
Policy 2.1.6.3: The City shall consider bicycle facilities as components of standard design criteria for new and reconstructed roadway facilities of regional significance, except for expressways and freeways, in urban areas pursuant to the requirements of Section 335.065, F.S	N/A	NO
Policy 2.1.6.4: The City shall continue to promote bicycle safety education and encourage local safety personnel to conduct periodic presentations as part of other safety programs.	N/A	NO
Policy 2.1.6.5: The City shall assess high vehicle and bicycle/pedestrian conflict areas periodically and a program for lessening the propensity for conflicts shall be initiated	N/A	NO
Objective 2.1.7: Reduction of Greenhouse Gas Emissions. The City shall develop strategies through transportation decisions and planning to address the reduction of greenhouse gas emissions, energy conservation and energy-efficient design	N/A	NO
Policy 2.1.7.1: The City shall coordinate with SCAT to promote car-pooling opportunities for commuters with the same destination	N/A	NO
Policy 2.1.7.2: The City's land development regulations shall require new and infill development and redevelopment, when feasible, to provide interconnections and access to existing and planned multi-modal transportation facilities, including sidewalks and bicycling and transit facilities	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
Policy 2.1.7.3: The City shall coordinate with Brevard County, the Space Coast TPO and adjacent municipalities to: A. Initiate a marketing campaign to promote bicycle, pedestrian and other non-motorized transportation options. B. Provide additional multi-modal transportation facilities, including sidewalks and bicycle paths/lanes and the expansion of transit service to include a circulator route in the City and vicinity if warranted by ridership and vehicular usage trends. C. Upgrade existing and provide new transit facilities as warranted such as park and ride lots, bus stops, bus shelters and signage	N/A	NO
Policy 2.1.7.4: In order to discourage urban sprawl, encourage infill development, reduce greenhouse gases and congestion, the City shall evaluate several strategies for alternatives to transportation concurrency including, but not limited to a Transportation Concurrency Management Area (TCMA), Multi-modal Transportation District (MTD) and Long Term Transportation Concurrency Management System (LTCMS)	N/A	NO
Policy 2.1.7.5: The City shall include landscaping and streetscaping as roadway design components in order to enhance the aesthetic and safety of roadways for all users.	N/A	NO
Policy 2.1.7.6: The City shall pursue grant opportunities for median landscaping and road beautification	N/A	NO
Objective 2.1.8: Transportation Facilities Improvement Coordination. The City shall continuously coordinate transportation improvement requirements with all other affected governmental entities to ensure that the efficient and cost-effective course of action is followed. Annual plan updates shall consider the FDOT 5-Year Transportation Plan, the Space Coast Transportation Planning Organization and the plans of neighboring jurisdictions	N/A	NO
Policy 2.1.8.1: The City shall continuously coordinate with local, TPO, regional and state plans to accomplish interlocal solutions to the transportation needs and problems of the City	N/A	NO
Policy 2.1.8.2: The City shall seek coordinating actions or interlocal agreements between local government entities for the purposes of addressing transportation impacts of a development project in one jurisdiction on an adjacent jurisdiction based upon actual	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
traffic loadings contributed by the project, the development of the transportation elements of comprehensive plans (Section 163.3177, F.S.) and in ensuring that transportation planning and programming are part of the comprehensive planning process in the region		
Policy 2.1.8.3: The City shall conduct interagency coordination to determine and designate transportation corridors of major statewide or regional significance to develop strategies to provide for the orderly and systematic acquisition of rights-of-way located within the designated corridors and to develop transportation facilities and services within the corridors.	N/A	NO
Policy 2.1.8.4: The City shall coordinate with FDOT and Brevard County to develop a road improvement program which will result in the modernization of state and county roads within the City by changing the design of these roads from the existing “rural section” with swales to an “urban section” with curbs, sidewalks and subsurface drainage.	N/A	NO
The City shall continue to partner with property owners, the Space Coast TPO, Brevard County, the FDOT and other government agencies to construct new transportation corridors to relieve arterial and collector road congestion.	N/A	NO
Objective 2.1.9: Scenic Roadways Program. The City shall continue to support the Florida Scenic Highways and National Scenic Byways programs	N/A	NO
Policy 2.1.9.1: The City shall continue to utilize the scenic highways and byways programs for the purpose of protecting and maintaining the appearance and aesthetics of each scenic roadway	N/A	NO
Policy 2.1.9.2: The City shall evaluate levels of service standards and standard roadway widths, rights-of-way and other roadway-related requirements on designated scenic roadways where the value, significance, or maintenance of the character and appearance of a scenic roadway outweighs the benefits of increasing vehicular capacity or other considerations	N/A	NO
Policy 2.1.9.2: The City shall evaluate levels of service standards and standard roadway widths, rights-of-way and other roadway-related requirements on designated scenic roadways where the	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
value, significance, or maintenance of the character and appearance of a scenic roadway outweighs the benefits of increasing vehicular capacity or other considerations		
Policy 2.1.10.1: The City's Community Services Department shall review subsequent versions of the FDOT 5-Year Transportation Plan, in order to update or modify this element, if necessary.	N/A	NO
Policy 2.1.10.2: The City shall review, for compatibility with this element, the transportation plans and programs of the unincorporated county and neighboring municipalities as they are amended in the future.	N/A	NO
Policy 2.1.10.3: All proposed amendments to this Transportation Element shall include a statement of findings supporting such proposals	N/A	NO
Policy 2.1.10.4: As warranted, the City shall undertake a traffic study that will determine the origin and destination of traffic from outside the City in order to better account for who should bear the cost for future road improvements.	N/A	NO
Objective 2.1.11: Access. Access to minor arterials, major arterials, expressway, and to a lesser extent, collectors, shall be limited in the following manner by the City, County and the Florida Department of Transportation in order to maximize their traffic-carrying capacity and safety.	N/A	NO
Policy 2.1.11.1: The functional classification of each roadway segment being used as a basis for determining the number of access points allowed and types and extent of traffic flow enhancement measures needed to maintain the capacity	N/A	NO
Policy 2.1.11.2: The issuance of access and connection permits to the roadway network shall be limited to the minimum number necessary to provide safe and reasonable access	N/A	NO
Policy 2.1.11.3: Deceleration lanes being required at all access points on collectors, minor arterials, major arterials, and expressways	N/A	NO
Policy 2.1.11.4: Shared access points being used wherever possible in order to minimize the necessity of one or more access points to adjacent small businesses	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
Policy 2.1.11.5: The need for and feasibility of frontage roads being constructed along new or reconstructed major arterials and expressways to increase roadway	N/A	NO
Policy 2.1.11.6: Access points to parcels with frontage along two or more roadways being located on the roadway of lower functional classification	N/A	NO
Objective 2.1.12: Public Transit. Public transit services shall be based on existing and proposed major trip generators and attractors, new subdivisions, and population growth.	N/A	NO
Policy 2.1.12.1: The City shall conduct annual coordination meetings with the Space Coast Area Transit (SCAT) to identify new major trip generators and attractors, new subdivisions and population growth areas in order to establish new public transportation management solutions and routes	N/A	NO
Policy 2.1.12.2: The City shall encourage land uses which p	N/A	NO
Policy 2.1.12.3: The City shall coordinate with Brevard County, Space Coast TPO, neighboring municipalities, and SCAT to determine needed public transit stops, terminals, maintenance, and improvements to serve the general population and identified special needs populations	N/A	NO
Policy 2.1.12.4: Service provision, including planned transit stop improvements and transit services, for the transportation disadvantaged shall be monitored, through the coordination with Brevard County, to ensure that this segment of the population has adequate mobility.	N/A	NO
Policy 2.1.12.5: Transit should routinely be considered as an alternative to roadway widening and as a supplement to roadway improvement projects.	N/A	NO
Policy 2.1.12.6: Land development regulations should be periodically reviewed to ensure that development allows and encourages accessibility to public transit.	N/A	NO
Policy 2.1.12.7: The City shall consider establishing incentives to be offered to developers that provide access to public transit.	N/A	NO
Policy 2.1.12.8: Transportation and mobility shall be monitored using measurable indicators including modal split, annua	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
Objective 2.1.13: Alternate Routes to Intrastate System. The City shall establish strategies to facilitate local traffic to use alternatives to the Florida Intrastate System to protect its inter-regional intrastate functions	N/A	NO
Policy 2.1.13.1: New major collectors and arterials shall be constructed in such a manner to help alleviate traffic volumes on the intrastate system.	N/A	NO
Policy 2.1.13.2: Synchronization of traffic signals shall occur on all existing major collectors and arterials to reduce the negative impacts of stop and go movements.	N/A	NO
Policy 2.1.13.3: Intersectional improvements shall occur on all existing major collector and arterials where necessary to reduce the negative impacts of delayed turning movements.	N/A	NO
Policy 2.1.13.4: The ongoing accident surveillance program shall continue to be maintained by the City's Police Department.	N/A	NO
Objective 2.1.14: Intermodal Facilities. The City shall coordinate with the Canaveral Port Authority, the Florida East Coast Railroad, and the Space Coast Executive Airport to maximize use of intermodal transportation nodes	N/A	NO
Policy 2.1.14.1: The City shall continue to conduct coordination meetings with the Florida East Coast (FEC) Railroad and Amtrak to establish a future passenger transportation terminal within the City limits	N/A	NO
Policy 2.1.14.2: The City shall conduct annual coordination meetings with the Space Coast Executive Airport and the Canaveral Port Authority to share information on their facility improvements, and the City's future growth and all Developments of Regional Impact (DRI)	N/A	NO
Policy 2.1.14.3: The City shall continue to be receptive to alternate means of public transportation which will reduce the demand on the existing infrastructure system	N/A	NO
Policy 2.1.14.4: The City shall develop Transit Oriented Development (TOD) design criteria in the Land Development Regulations	N/A	NO
	N/A	NO

2020-2030 Comprehensive Plan Transportation Element	Analysis/Recommendations	State Required Change
Objective 2.1.15: Parking. The City shall develop parking strategies to support the transportation goals	N/A	NO
Policy 2.1.15.1: The City shall seek a public-private partnership to help establish a multi-use, multi-level parking facility to reduce traffic congestion and increase pedestrian safety, reduce the amount of surface parking lots and increase green space within the Central Business District.	N/A	NO
Policy 2.1.15.2: New development shall consider parking for motorized and nonmotorized vehicles in site design.	N/A	NO
Policy 2.1.15.3: The City shall update parking standards to minimize the amount of surface parking through the establishment of maximum parking standards and shared and co-located parking	N/A	NO

Table III: Housing Element Review

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
GOAL 3.1: The City shall encourage and promote the provision of decent, safe, and sanitary housing to meet the needs of the present and future population of the City.	N/A	NO
Objective 3.1.1: Housing Supply. Assist the private sector to create additional units and preserve existing units to satisfy the projected demand of dwelling units of various types, sizes, and costs which will be needed to house the City's anticipated population through the planning horizon.	N/A	YES
Policy 3.1.1.1: The City's Future Land Use Map shall provide adequate lands to accommodate the projected housing growth	N/A	NO
Policy 3.1.1.2: The City shall continue to provide land use designations and zoning districts on the Future Land Use and the Official Zoning Maps to ensure a variety of housing types including single family, duplex, and multifamily are allowed within the City.	N/A	NO
Policy 3.1.1.3: The City shall continue to utilize local government partnerships with the private sector in order to improve the efficiency and expand the capacity of the housing delivery system.	N/A	NO
Policy 3.1.1.4: The City shall continue to provide information, technical assistance and housing data to the private sector in order to maintain sufficient housing production capacity. Technical assistance includes, but is not limited to, assistance meeting the development review requirements of the City and other regulatory agencies; referral to appropriate agencies for information; assistance in meeting infrastructure standards and requirements imposed by the City; and provision of data regarding housing needs and conditions.	N/A	NO
Policy 3.1.1.5: The City's land development regulations shall allow manufactured buildings (as defined in Chapter 553, F.S.) in all residential zoning districts provided the units comply with all relevant building code standards and the U.S. Department of Housing and Urban Development Manufactured Home Construction and Safety Standards	N/A	NO
Policy 3.1.1.6: The City shall promote mixed-use developments that include provisions for a wide variety of housing types and prices.	N/A	NO

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
Policy 3.1.1.7: In order to maintain housing policies responsive to changing conditions, problems, and issues, the City shall undertake special housing studies as needed in order to develop specific local strategies for resolving unanticipated housing problems and issues	N/A	NO
Objective 3.1.2: Elimination of Substandard Housing. The City shall seek ways to eliminate substandard housing conditions and seek ways to improve the structural and aesthetic value of existing homes.	N/A	NO
Policy 3.1.2.1: The City shall periodically review and update established housing policies to guide in the conservation, rehabilitation, and demolition program techniques and strategies.	N/A	NO
Policy 3.1.2.2: The City of Cocoa will endeavor to eliminate slum and blight throughout the City	N/A	NO
Policy 3.1.2.3: The City shall identify existing housing units that need structural and aesthetic improvements and those that are beyond repair and rehabilitation should be demolished.	N/A	NO
Policy 3.1.2.4: The City shall continue to enforce the Florida Building Code and the City of Cocoa's Property Maintenance Standards and Rental Regulations to ensure the construction and maintenance of sound and safe housing and, to encourage the correction of housing code violations, and to set the standards for quality housing within the City. Low income owner-occupants will continue to be referred to available housing assistance programs.	N/A	NO
Policy 3.1.2.5: The City shall continue its proactive code enforcement program to monitor the conditions of the City's housing stock, reduce the amount of substandard housing, discourage boarded-up buildings, increase the number of affordable units, and preserve available housing stock using city, county, state or federal funds as available and within the scope of funding capabilities	N/A	NO
Objective 3.1.3: Relocation Housing. The City shall provide uniform and equitable treatment to persons displaced by State and local government programs, consistent with Section 421.55, F.S., and to persons displaced by public projects or programs for which federal or federal-aid funds are available or are used, in accordance with the Surface Transportation and Uniform	N/A	NO

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
Relocation Assistance Act of 1987, (Public Law 100-17, Apr. 2, 1987, 101 Stat. 132)		
Policy 3.1.3.1: When residents are displaced as a result of redevelopment, demolition or other public projects, the City shall attempt to ensure the residents are able to relocate to appropriate housing	N/A	NO
Policy 3.1.3.2: The City shall coordinate with appropriate agencies to prepare plans of action regarding relocation of residents before programs are enacted that will create displaced households. Such plans shall include, but are not limited to, the following: • Timing of the relocation; • Assessment of the need for the program that will displace households; • Costs associated with the displacement of such households; and An assessment of the household's needs and the impact of the relocation on the household, including: o Location and the effect of a new neighborhood location on the household's distance to job, schools, and social activities; and o The adequacy of public transit, if applicable at the time, to serve the displaced household	N/A	NO
Policy 3.1.3.3: The City shall assure that reasonably located standard housing, at affordable costs, continues to be available to persons displaced through public or quasi-public action prior to their displacement. When federal funds are used for acquisition, demolition, rehabilitation, or conversion, the City shall comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act and with Section 104(d) of the Housing & Community Development Act of 1974 (excluding acquisition), as amended from time to time and as implemented in the City's local housing assistance plans	N/A	NO
Policy 3.1.3.4: Relocation housing should be comparable to the existing dwelling as much as possible, with an emphasis on the	N/A	NO

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
number of rooms, size of living space, location to commercial and public facilities and place of employment, and shall be within the financial means of the displaced household. Relocation housing shall be a sound, safe, and sanitary dwelling meeting adopted housing and property maintenance codes		
Policy 3.1.3.5: In the event the City of Cocoa is declared a Federal Disaster Area and in an effort to prevent the relocation of residents whose homes have been declared unsafe for occupancy as a result of a tornado, hurricane or other disaster related event, the City of Cocoa shall permit the location and occupancy of a Federal Emergency Management Agency (FEMA) sponsored trailer on the affected single-family residential lot during the reconstruction of the principal structure. The FEMA sponsored trailer shall be removed once the Certificate of Occupancy for the principal structure is issued by the City's Building Official (if not sooner by mandate of FEMA)	N/A	NO
Objective 3.1.4: Coordination. The City shall continue to coordinate with public and private sector entities that provide housing services.	N/A	NO
Policy 3.1.4.1: The City shall monitor housing, community, and redevelopment proposals for consistency with this Comprehensive Plan	N/A	NO
Policy 3.1.4.2: The City shall continue to coordinate affordable housing, housing development and redevelopment activities with: • Adjacent municipalities and Brevard County; • State agencies (such as the Florida Department of Transportation); • Brevard County School Board; • East Central Florida Regional Planning Council; • The Housing Authority of the City of Cocoa; and • Brevard County HOME Consortium.	N/A	NO

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Objective 3.1.5: Energy Efficiency. The City shall encourage energy efficiency in the design, construction and rehabilitation of new and existing residential buildings in the City and incorporate alternative energy technologies in the land development regulations.	N/A	NO
Policy 3.1.5.1: The City shall consider adopting an ordinance that promotes energy efficiency, use of alternative energy, and conservation alternatives in the construction and rehabilitation of existing buildings	N/A	NO
Policy 3.1.5.2: The City shall create incentive programs for housing projects that seek certification by Florida Green Building Coalition, United States Green Building Coalition (LEED Certifications), Energy Star, Water Star, or other types of certifications acceptable by the City. The incentives may be in the form of expedited plan review and permitting, flexibility of development standards, or monetary incentives	N/A	NO
Policy 3.1.5.3: The City shall consider creating a cross-departmental sustainability team to revise green building policies and engage the development community.	N/A	NO
Policy 3.1.5.4: The City shall encourage City staff to obtain LEED accreditation.	N/A	NO
Policy 3.1.5.5: The City shall continue the ongoing review and improvement of City codes to remove obstacles to green building.	N/A	NO
Policy 3.1.5.6: The City shall promote energy conservation through its land development regulations	N/A	NO
Policy 3.1.5.7: The City shall continue to support Florida Power & Light (FPL) energy efficiency programs by informing residents of the programs that are offered by FPL	N/A	NO
Objective 3.1.6: Location of Housing. The City shall provide appropriate and adequate locations for very low income, low income, and moderate income housing, and provide for adequate sites for mobile and manufactured homes.	N/A	NO
Policy 3.1.6.1: The City shall establish and maintain zoning classifications which allow for flexibility in land use design, density, housing types, and price levels to preserve affordable housing and residential neighborhoods, and allow for appropriate land use mixes for very low income, low income, and moderate income	N/A	NO

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households, mobile homes, manufactured homes, group homes and foster care facilities, and households with special needs including rural and farm worker households		
Policy 3.1.6.2: The City shall ensure supporting infrastructure and public facilities are available and maintained to support the location of very low income, low income, and moderate income households as well as for mobile and manufactures homes.	N/A	NO
Policy 3.1.6.3: The City shall review and amend its land development regulations to reflect the conditions and criteria consistent with Chapter 419, F.S., guiding the location of group homes and foster care facilities licensed or funded by the Florida Department of Children and Family Services that foster non-discrimination, and encourage the development of community residential alternatives to institutionalization including the infrastructure and public facilities	N/A	NO
Policy 3.1.6.4: The City shall include in its land development regulations site selection criteria for the location of housing for low and moderate income families, group homes, foster care facilities, and manufactured homes which take into account the accessibility, convenience, and availability of public and private services because low-income families and the elderly often have no private means of transportation.	N/A	NO
Policy 3.1.6.5: Should a need be demonstrated for rural and farmworker housing, the City will consider provisions for such housing opportunities.	N/A	NO
Objective 3.1.7: Housing Programs. The City shall develop housing programs to improve the structural and aesthetic value of existing homes and the creation of new homes to meet the current and anticipated future residents of the City.	N/A	NO
Policy 3.1.7.1: The City shall strengthen public education measures through affirmative outreach efforts to low income households to ensure that the persons or neighborhoods eligible for assistance are aware of its availability as well as the procedures for obtaining such assistance. Public workshops shall be held in areas where the needs are demonstrated.	N/A	NO
Policy 3.1.7.2: The City will continue to seek and apply for funding programs to assist in housing rehabilitation, demolition, and	N/A	NO

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preservation for qualified applicants. Housing ownership opportunities for lowincome households will continue to be provided through federal and state housing programs		
Policy 3.1.7.3: The City shall survey all homeowners receiving housing rehabilitation assistance after receiving assistance to evaluate the quality of the work and to determine homeowner satisfaction with the program.	N/A	NO
Policy 3.1.7.4: The City of Cocoa shall promote personal investment in the community and homeownership by encouraging residents, especially those participating in housing assistance programs, to become involved in community service organizations, projects, and City Boards.	N/A	NO
GOAL 3.2: In order to encourage the preservation of the existing housing stock and minimize the relocation of residents and the demolition of housing, the city shall ensure the availability and maintenance of supporting infrastructure and avoid the concentration of affordable housing units only in specific areas of the city.	N/A	NO
Objective 3.2.1: Housing Stock and Neighborhoods. The City shall encourage the stabilization of neighborhoods by extending the useful life of the existing housing stock through the enforcement of City codes that preserve neighborhood quality and maintain community facilities.	N/A	NO
Policy 3.2.1.1: The placement of public facilities shall be planned so as to minimize the demolition of housing and related relocation of residents. When housing must be removed as a result of City actions, the City shall assess the feasibility of moving the housing to another location and rehabilitating it to standard, affordable conditions to preserve it as part of the City housing stock.	N/A	NO
Policy 3.2.1.2: The City shall encourage the stabilization of neighborhoods by maintaining the quality of existing neighborhoods, by upgrading the supporting infrastructure and facilities, including paved public road access; stormwater management facilities and flood protection; wastewater disposal facilities; potable water facilities; solid waste collection service; electric utility service; and by protecting natural and historic resources	N/A	NO

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Objective 3.2.2: Historically Significant Housing. Housing designated as historically significant by virtue of architecture, social significance, or ethnic heritage will continue to be identified and continue to be preserved and protected, and if possible, maintained for residential uses.	N/A	NO
Policy 3.2.2.1: Applications will be submitted by the City to the Florida Division of Historical Resources for the housing units which have been and may be designated as individual structures or as part of a locally significant historic district to be included on the Florida Master Site File	N/A	NO
Policy 3.2.2.2: The City shall pursue available grants and alternative funding, where appropriate, to expand the local knowledge and awareness of existing historic and archaeological sites and structures	N/A	NO
Policy 3.2.2.3: The City shall assist owners of designated historically significant housing to apply for and utilize state and federal assistance programs.	N/A	NO
Policy 3.2.2.4: The City shall encourage the continued identification, analysis, and preservation of the City's historical resources. Such efforts shall include determination of their significance and vulnerability, as well as implementation of preservation management policies. Environmental reviews of units assisted with governmental resources shall be conducted as required.	N/A	NO
Policy 3.2.2.5: The City will encourage the retention and preservation of historically significant structures, while discouraging their destruction by requiring that a need for demolition or significant alteration must be demonstrated prior to the issuance of a demolition permit or development order, with need being based on structural integrity, lack of economic feasibility of rehabilitation, restoration, or preservation, and absence of any feasible alternative, for the rehabilitation, restoration, adaptive reuse, or other alteration which would preserve the historic character of the structure. Where such need is demonstrated, relocation of the structure to an appropriate site may be waived if the applicant establishes the lack of feasibility of relocation. Where neither rehabilitation nor relocation is possible, mitigation of the loss of such properties through documentation	N/A	NO

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techniques, including but not limited to measured drawings, photographs and descriptive narrative, will be the recommended treatment.		
Policy 3.2.2.6: The City will adopt incentives to retain historically significant residential structures in the City through a variety of strategies and procedures including zoning, land development regulations, public and private land acquisition programs, and other techniques	N/A	NO
Policy 3.2.2.7: The City may require independent feasibility assessments of the feasibility of restoring or rehabilitating architecturally or historically significant residential resources as an alternative to demolition or significant alteration at the applicant's expense	N/A	NO
Policy 3.2.2.8: The City will establish a program for the preservation and improvement of historically significant housing, sites, and structures through participating with owners, citizens' groups, business organizations, and state and federal agencies in restoration, rehabilitation, and public or private purchase with the owner's consent of historically significant housing, sites or structures for the purpose of preservation.	N/A	NO
Policy 3.2.2.9: The City shall not seek the local designation of a property or structure as historically significant without the owner's permission.	N/A	NO
Policy 3.2.2.10: In identifying and improving historically significant housing, the City shall be guided by the Standards for Rehabilitation of the U.S. Department of the Interior, as amended. Criteria such as the following shall be employed: A. The distinguished original qualities or character of a building structure or site and its environment shall not be destroyed. The removal or alterations of any historic material or distinctive architectural features should be avoided when possible. B. All buildings, structures, and sites shall be recognized as products of their own time. Alterations that have no historical	N/A	NO

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basis and which seek to create an earlier appearance shall be discouraged. C. Changes that have taken place in the course of time are evidence of the history and development of a building, structure, neighborhood or site and its environment. These changes may have acquired significance in their own right, such as the relocation of a structure many years ago, and this significance shall be recognized and respected. D. Distinctive stylistic features or examples of skilled craftsmanship which characterize a building structure, neighborhood or site shall be treated with sensitivity. E. Deteriorated architectural features shall be repaired rather than replaced whenever possible. In the event replacement is necessary, the new material should match the material being replaced in composition, design, color, texture, and other visual qualities. Repair or replacement of missing architectural features should be based on accurate duplications of features, substantiated by historic physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures. F. The surface cleaning of structures shall be undertaken with the gentlest means possible. Sandblasting and other cleaning methods that will damage the historic building materials shall not be undertaken. G. Contemporary design for alterations and additions to existing properties shall not be discouraged when such alterations and additions do not destroy significant historical, architectural or cultural material and design is compatible with the size, scale, color, material and character of the property, neighborhood or environment. H. Whenever possible, new additions or alterations to structure shall be done in a manner so that removal of such additions		

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or alterations in the future would not impair the essential form and integrity of the structure. I. Applications for rehabilitation of housing which also are eligible for consideration, as historic resources or which are potentially significant historic structures shall be processed in conformance with state and federal guidelines. J. The City shall employ available measures with particular sensitivity for rehabilitation and preservation of housing which has historic significance by virtue of social factors or ethnic heritage.		
Objective 3.2.3: Housing Safety. The City of Cocoa shall utilize Crime Prevention Through Environmental Design (CPTED) principles in order to increase the safety of housing developments through the planning process and incorporate them in the land development regulations. CPTED principles and strategies shall include natural access control, natural surveillance, territorial reinforcement, and target hardening.	N/A	NO
Policy 3.2.3.1: The City shall develop guidelines for the development community against which projects will be evaluated to ensure the incorporation of CPTED principles.	N/A	NO
Policy 3.2.3.2: The City shall provide technical assistance to housing developers and non-profit housing providers to ensure compliance with CPTED principles.	N/A	NO
Objective 3.2.4: Neighborhood Preservation. The City of Cocoa shall promote neighborhood preservation through the continued application and enforcement of zoning district regulations, land development regulations, and nuisance abatement regulations.	N/A	NO
Policy 3.2.4.1: The City shall provide for the protection of residential neighborhoods from secondary effects of nearby commercial development.	N/A	NO
Policy 3.2.4.2: The City shall require buffering and screening of residential neighborhoods from nearby incompatible land uses through significant landscaped buffer yards and/or compatible transitional uses	N/A	NO
Policy 3.2.4.3: The City shall protect residential neighborhoods from through-traffic with traffic calming measures as well as through the use of selected roadway materials, restrictions on use	N/A	NO

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of roadways by nonresidential vehicles and redirecting traffic flow patterns.		
Policy 3.2.4.4: The City shall protect residential neighborhoods from noise, water, and air pollution by regulating land development practices to ensure all applicable local, state, and federal air & water quality standards are met and maintained. Activities creating noise related disturbances shall be restricted from inappropriate locations or required to provide more stringent attenuation measures.	N/A	NO
Policy 3.2.4.5: The City shall encourage mass transit in residential neighborhoods, where appropriate, through the coordination of public transit routes and land use activity.	N/A	NO
Policy 3.2.4.6: The City shall support neighborhood serving retail uses located in close proximity to residential property	N/A	NO
Policy 3.2.4.7: The City shall continue inspection of residential rental properties periodically to protect the health, safety, and welfare of the tenants. The City will continue to initiate inspections of properties in conjunction with appropriate state agencies in situations where: 1) a complaint has been filed with codes enforcement, 2) there exists an obvious code violation, or 3) when the owner applies for a building permit to expand his or her property. All inspectors shall be qualified and licensed to interpret the Florida Building Code and/or the ICC International Property Maintenance Code	N/A	NO
The City shall consider the potential impact of proposed projects on achieving reductions in the concentration of affordable multifamily housing when evaluating applications, awarding discretionary funds, and making recommendations concerning certified affordable housing projects, tax credits, and bond projects.	N/A	NO
The City will preserve residential neighborhoods containing affordable housing through appropriate zoning classifications and housing rehabilitation programs which protect their residential integrity and character. The City will give great weight to preserving the residential integrity and character of such neighborhoods in considering petitions by property owners for zoning changes.	N/A	NO

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Policy 3.2.4.10: The City will support programs and partnerships with the private and non-profit sectors to improve coordination among participants in housing production to preserve, improve, and produce affordable housing through means such as providing grants for land acquisition for production of affordable housing; waiving or subsidizing impact, hook-up, or permitting fees; providing technical assistance; streamlining the permitting and inspection process; providing landscaping or infrastructure improvements to support residential development and rehabilitation; providing density bonuses; or providing funding for capacity building	N/A	NO
GOAL 3.3: The City shall ensure the provision and distribution of adequate sites for affordable housing for present and future populations of the City.	N/A	NO
Objective 3.3.1: Incentives for Affordable Housing. The City shall maintain land development regulations and procedures which assist the private and non-profit sector in providing identified housing needs of various types, sizes and costs.	N/A	NO
Policy 3.3.1.1: The City shall continue and promote its density bonus program to encourage the private sector to provide affordable housing. The following guidelines shall be utilized in the implementation of the density bonus program A. AMOUNT OF BONUS. For each newly constructed unit of qualifying affordable housing as defined below, the developer shall be entitled to an increase of ten thousand (10,000) square feet of floor area bonus for new construction within the CBD. For a substantial rehabilitation of qualifying affordable housing defined below, the developer shall be entitled to an increase of five thousand (5,000) square feet of floor area bonus for new construction within the CBD. Such bonus is transferable. B. QUALIFYING AFFORDABLE HOUSING. 1. Qualifying affordable housing shall be newly constructed single-family housing or substantial rehabilitation of housing, made	N/A	NO

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available for purchase by a qualifying low income household, and subject to the following restrictions: (a) Housing units must be available for purchase and must actually be purchased by a low income household (as defined in Section 420.0004(11), F.S.) at a monthly cost including property taxes, utilities, and insurance not exceeding thirty percent (30%) of the purchasing household's median gross annual income. (b) The purchaser of such affordable housing unit must, at the time of purchase, grant to the administering corporation a note and second mortgage interest in the housing unit, payable upon resale, in the amount of fifteen thousand dollars ($15,000.00) (i) which note shall not bear interest and may be forgiven at the rate of one thousand five hundred dollars ($1,500.00) per year and retired after ten (10) years and (ii) which second mortgage shall (a) provide for a twenty-year term; (b) contain a right of first refusal at a price equal to a bona fide written offer of a third-party to purchase the unit; and (c) contain an agreement to pay to the administering corporation one-half of any profit upon resale of the unit, including a sale upon exercise of said right of first refusal. In the event the purchaser secures a purchase mortgage loan under the Florida Homeownership Assistance Program pursuant to section 420.5088, Florida Statutes (1989), as may be amended, or should the administering corporation be selected as a sponsor under the aforesaid program, the second mortgage interest set forth in this subsection may be denoted as a third mortgage interest in the housing unit (c) It shall be the obligation of the administering corporation to exercise the right of first refusal and second mortgage interest to ensure that upon resale of the housing unit, the resale purchaser is also a low income household, or, if unable to exercise the right of first refusal, to apply funds received upon satisfaction of such second mortgage interest to the development or preservation of other affordable housing units within a designated redevelopment area. Any such funds not so applied within five (5) years of receipt by the administering corporation shall be remitted to the City of Cocoa.		

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Policy 3.3.1.2: The City shall provide information and incentives, such as minimum lot sizes, minimum floor areas, setbacks, and residential land uses to the private sector to ensure that sufficient housing of various types, designs sizes, and costs are constructed.	N/A	NO
Policy 3.3.1.3: The City may allow single family dwellings on non-conforming infill lots for affordable and workforce housing development projects	N/A	NO
Policy 3.3.1.4: The City shall continue to provide incentives to developments with affordable housing and workforce housing units. These incentives could include, but are not limited to, increased densities; a streamlined permitting processes to prevent delays; flexible development regulations; and deferment, subsidy and/or waiver of building permit fees, impact fees and inspection fees	No changes required for compliance with Florida Impact Fee Act, as amended.	NO
Objective 3.3.2: Adequate Sites for Housing. The City shall provide adequate sites ensuring housing availability for the very low-income, low-income, and moderate-income households, as well as sites for mobile and manufactured homes for the present and future population of the City.	N/A	NO
Policy 3.3.2.1: The City shall affirmatively support proposals for affordable housing that are consistent with the use and density provisions of the Comprehensive Plan.	N/A	NO
Policy 3.3.2.2: The City shall support amendments to the Comprehensive Plan and associated land development regulations that permit affordable housing proposals provided such locations; avoid concentrations of low and very low income households; provide full urban services and facilities; are environmentally sensitive; and would create a livable and supportive environment.	N/A	NO
Policy 3.3.2.3: The City shall discourage concentrations of affordable multi-family housing in economically and socially distressed areas.	N/A	NO
Policy 3.3.2.4: The City shall continue to require that sites for affordable housing have access to the following facilities, services and/or activity centers: • Potable water and central wastewater systems;	N/A	NO

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• Employment centers, including shopping centers which accommodate stores offering household goods and services needed on a frequent and recurring basis; • A collector roadway or higher; and • Public parks, recreation areas, and/or open space systems.		
Policy 3.3.2.5: The City shall encourage the provision of affordable housing in infill/redevelopment areas by providing incentives. The City shall also encourage the development of affordable housing in the Community Redevelopment Areas.	N/A	NO
Policy 3.3.2.6: The City shall ensure, to the greatest extent possible, that regulatory techniques and review procedures do not create barriers to infill and affordable housing, when updating its land development regulations.	N/A	NO
Policy 3.3.2.7: The City may, through the land development regulations, encourage the development/redevelopment of housing that will integrate a variety of housing types and styles in all neighborhoods	N/A	NO
Objective 3.3.3: Housing Programs. The City shall seek to utilize, leverage and maximize federal, state, and local programs for the present and future population of the City.	N/A	NO
Policy 3.3.3.1: The City will continue to support and seek new funding from appropriate federal, state and local sources for rehabilitation of rental units and rental assistance for low income families.	N/A	NO
Policy 3.3.3.2: The City will continue to provide housing assistance to income eligible residents by allocating resources received through federal and state housing grants	N/A	NO
Policy 3.3.3.3: The City will continue to explore and consider alternative sources of money and initiatives to improve housing stock and availability. In addition, the City will coordinate with the County to advertise the availability of any funds to the public. These funds will ensure the availability of decent, safe, sanitary, and affordable units to low income residents	N/A	NO
Policy 3.3.3.4: The City shall leverage available funds with federal, state and local subsidy programs to assist the largest number of units possible	N/A	NO

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Policy 3.3.3.5: The City shall annually monitor affordable housing projects receiving financial grant assistance or incentives to ensure units are in compliance with affordability requirements	N/A	NO
Policy 3.3.3.6: The City shall partner with the Brevard County Finance Authority in the use of tax exempt financing to provide mortgages at below market interest rates to first time homebuyers	N/A	NO
Policy 3.3.3.7: The City shall promote awareness among the elderly and low-income rental families regarding housing programs which are available to assist them in Cocoa	N/A	NO
Policy 3.3.3.8: The City may participate in and support the activities of private notfor-profit Community Development Corporations (CDC's) and Community Housing Development Organizations (CHDO's) to provide technical assistance and housing information to City and County constituents. Such support may include, but not limited to, financial and/or technical assistance and alternative development standards and code requirements.	N/A	NO
Policy 3.3.3.9: The City shall continue to support affordable housing programs and maintain communication with non-profit organizations to promote neighborhood pride, identity, organization, and communication between citizens and City government	N/A	NO
Policy 3.3.3.10: The City shall continue to provide assistance to outside agencies offering counseling referral services for families and individuals seeking affordable housing opportunities	N/A	NO
Policy 3.3.3.11: The City shall participate in and support activities that discourage the use of predatory lending practices. Such support may include, but not be limited to, the provision of financial and or technical assistance to community groups that specialize in education and outreach against predatory lending	N/A	NO
Policy 3.3.3.12: The City shall prioritize projects that utilize public/private partnerships to produce housing and provide support of services to low income families. These programs could include, but not limited to, financial counseling, day care, health care, and transportation.	N/A	NO
Policy 3.3.3.13: The City shall participate in Regional Planning Council initiatives directed toward educating local governments	N/A	NO

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about new techniques, especially those programs which promote affordable housing		
GOAL 3.4: The City shall continue encouraging and assisting in the conversion of undue concentrations of public rental housing in the City of Cocoa to affordable home ownership. Where public housing remains, the City shall seek to ensure it's decent, safe, and sanitary for the present and future residents of the City.	N/A	NO
Objective 3.4.1: Cooperative Relationship. The City shall establish an ongoing cooperative working relationship with the Housing Authority of the City of Cocoa to provide for and preserve public housing and assist in the conversion of undue concentrations of public housing to affordable home ownership	N/A	NO
Policy 3.4.1.1: The City shall promote educational opportunities and provide training and technical assistance to lower income public housing tenants in preparation for home ownership	N/A	NO
Policy 3.4.1.2: The City shall assist the Housing Authority of the City of Cocoa and/or public housing tenants in seeking financial incentives to facilitate the purchase of owner-occupied housing and/or, to support the cost associated with converting public housing units to owneroccupied or mixed-income units	N/A	NO
Policy 3.4.1.3: The City shall pursue housing resources for low income residents other than public housing or Section 8 tenant-based assistance	N/A	NO
Policy 3.4.1.4: The City shall leverage affordable housing resources in the community through the creation of mixed-finance housing, and encourage and facilitate the conversion of public housing units to owner occupancy	N/A	NO
Policy 3.4.1.5: The City shall pursue financial resources to assist in the rehabilitation of public housing units, or when beyond repair, the demolition and replacement of dilapidated units to new owner-occupied units	N/A	NO
Policy 3.5.1.1: The City will fully comply with and require the private sector to comply with the Fair Housing Act of 1968 and the local Fair Housing Ordinance. All housing development and redevelopment activities	N/A	NO

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Objective 3.5.1: Fair Housing. The City shall remain committed to affirmatively further fair housing shall be compatible with and further the purpose of the Fair Housing Act of 1968.	N/A	NO
Policy 3.5.1.2: The City shall conduct periodic reviews and amend as necessary all land and housing development regulations to ensure compliance with Federal and State laws on accessibility	N/A	NO
Policy 3.5.1.3: The City shall continue to periodically review the local Fair Housing Ordinance and update as necessary.	N/A	NO
Policy 3.5.1.4: The City shall continue to support local fair housing enforcement organizations such as the Fair Housing Continuum.	N/A	NO
Policy 3.5.1.5: The City shall encourage public housing agencies to start a counseling program to help housing choice voucher recipients to locate housing outside of poverty concentrated areas.	N/A	NO
Policy 3.5.1.6: The City's housing programs shall encourage banks and other lending organizations to operate in areas that are underserved and to provide services to underserved populations.	N/A	NO
GOAL 3.6: The City shall encourage the provision of housing opportunities for people with special needs such as the homeless, the elderly, and the physically and/or mentally disabled.	N/A	NO
Objective 3.6.1: Group Homes and Foster Care Facilities. The City shall assist the private sector to ensure adequate sites are available in residential areas, or areas of residential character, for group homes and foster care facilities licensed or funded by the Florida Department of Children and Family Services to satisfy the current and future residents of the City.	N/A	NO
Policy 3.6.1.1: The City shall continue to review, and revise where necessary, land development regulations to ensure adequate sites in residential areas are provided for special needs populations by means of group homes and foster care facilities licensed or funded by the State of Florida or other such means as shall be deemed appropriate by the Community Development Director.	N/A	NO
Policy 3.6.1.2: The City shall continue to provide, in the Land Development Code, adequate location standards for sites in residential areas or areas of residential character for community residential homes, including group homes, retirement homes, and foster care facilities, in accordance with applicable Florida	N/A	NO

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Statutes. These facilities should be located in a variety of urban and rural locations, as appropriate.		
Objective 3.6.2: Special Needs Housing. The City shall assist the private sector to create additional units and preserve existing units for households with special needs to satisfy the projected demand of dwelling units of various types, sizes, and costs.	N/A	NO
Policy 3.6.2.1: The City shall continue to support a variety of public and private housing initiatives for affordable housing for special needs populations in areas in close proximity to shopping, public transportation, health services, schools, infrastructure availability, and employment opportunities.	N/A	NO
Policy 3.6.2.2: The City shall continue to support organizations which provide shelter and related services to the special needs and homeless population. Such support may include but not be limited to financial and/or technical assistance and alternative design standards and code requirements.	N/A	NO
Policy 3.6.2.3: The City shall continue to support organizations, which assist special needs, elderly and handicapped citizens in finding decent, accessible, and affordable housing. Such support may include but not be limited to financial and/or technical assistance and alternative design standards and code requirements	N/A	NO
Policy 3.6.2.4: In an effort to address problems of housing for lower income elderly residents and other households with special housing needs, the City shall allow for the placement of retirement communities and elderly care facilities in areas of residential character as long as they are designed in a manner that is compatible with the character of the neighborhood.	N/A	NO
Objective 3.6.3: Homeless. The City shall continue to seek supportive housing opportunities for the homeless and those at risk for homelessness, and ensure that Cocoa and other governments and agencies are working jointly to address these needs	N/A	NO
Policy 3.6.3.1: The City shall remain an active participant in the Brevard County Continuum of Care Coalition to address homelessness in the City.	N/A	NO

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Policy 3.6.3.2: The City shall designate appropriate areas for providing services for the homeless.	N/A	NO
GOAL 3.7: The City shall promote opportunities for the creation of housing and infill development within the City.	N/A	NO
Objective 3.7.1: Infill Development. The City shall continue to promote infill housing development by supporting alternative development standards where appropriate and feasible.	N/A	NO
Policy 3.7.1.1: The City shall provide and retain residential land uses at varying densities and locations through comprehensive land use planning and land development regulations for affordable housing to satisfy the projected demand of dwelling units of various types, sizes, and costs by 2020, which will be needed to house the City's anticipated population through the planning horizon	N/A	NO
Policy 3.7.1.2: The City shall ensure adequate sites are correctly planned and zoned to accommodate the projected housing growth, including low and very low income housing, and mobile homes.	N/A	NO
Objective 3.7.2: Vacant Land Inventory. The City shall continue to monitor and inventory vacant and underused residential land and provide this information to housing developers to stimulate the development of infill housing.	N/A	NO
Policy 3.7.2.1: The City shall survey vacant and underutilized land within the Heart of Cocoa and Diamond Square Redevelopment Area to determine which land can be declared surplus and/or publicly acquired to be made available with conditions sufficient to stimulate the development of affordable and infill housing	N/A	NO
Objective 3.7.3: Land Development Regulations. To the greatest extent possible, the City's land development regulations shall not contribute to increased housing costs.	N/A	NO
Policy 3.7.3.1: The City shall conduct periodic reviews of existing land development regulations and consider before adoption, policies, procedures, ordinances, regulations, or plan provisions that may have an impact on the cost of housing.	N/A	NO
Policy 3.7.3.2: The City shall continue to review and assess the structuring of impact fees in relation to City housing goals and	Amend policy to reference Florida Impact Fee Act, as amended, to address consistency with process for updating impact fees.	NO

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
shall make recommendations for amendments to the appropriate codes if necessary.		
Objective 3.7.4: Permitting Reviews. The City, where appropriate, may provide priority consideration and permitting review for affordable and infill housing projects in an effort to reduce costs and delays in the permitting review process	N/A	NO
Policy 3.7.4.1: The development review and permitting process for affordable and infill housing shall be streamlined through an ongoing review of the process and the adoption of a more efficient regulatory and permitting process.	N/A	NO
Policy 3.7.4.2: The City shall continue to reduce building permit and inspection fees for City-sponsored projects that preserve or produce affordable housing	N/A	NO
Objective 3.7.5: Community Revitalization. The City shall continue to support the revitalization of its Florida Enterprise Zone, its designated Florida Brownfield Area, the Diamond Square Redevelopment Area and the Heart of Cocoa Area concentrating on issues such as crime, economic development, and affordable housing	N/A	NO
Policy 3.7.5.1: The City shall support reasonable efforts to make these areas economically diversified neighborhoods with housing, shopping, public transportation, health services, schools, and employment opportunities for all.	N/A	NO
Policy 3.7.5.2: The City shall encourage new construction of single family homes for moderate and upper income households.	N/A	NO
Policy 3.7.5.3: The City shall encourage neighborhood revitalization, affordable housing, and homeownership in these areas by implementing programs and regulations that promote a wide variety of housing types, sizes, and prices.	N/A	NO
Policy 3.7.5.4: The City shall continue to pursue environmentally-related grants, such as Brownfields Assessment and Cleanup Grants, to advance the cleanup, restoration and redevelopment of City designated Brownfields areas and sites.	N/A	NO
Policy 3.7.5.5: The City shall encourage an overall mixture of housing tenure by actively encouraging owner-occupancy within these areas	N/A	NO

2020-2030 Comprehensive Plan Housing Element	Analysis/Recommendations	State Required Change
Policy 3.7.5.6: The City shall promote design standards that encourage image improvement opportunities in the neighborhood	N/A	NO
Objective 3.7.6: Economic Development. The City shall seek economic solutions to address affordable housing	N/A	NO
Policy 3.7.6.1: To address the needs of the residents of affordable housing, the City shall explore and seek partnerships with the private and public sectors for the creation of employment and training opportunities.	N/A	NO

IV: Sanitary Sewer Review

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
GOAL 4.1: The City of Cocoa will provide cost effective and environmentally sound wastewater treatment service to meet existing and projected demands identified in this Plan.	N/A	NO
Objective 4.1.1: Maintain Level of Service. Based upon adopted level of service standards, the City shall annually adopt programs and activities to facilitate implementation of a wastewater utility to serve existing and new development as well as areas where septic systems are failing.	Updated	YES
Policy 4.1.1.1: Projected flow rates will be updated periodically based on best available data	UPDATED DATA TABLES AND LOS DATA	YES
Policy 4.1.1.2: The City adopts the following levels of service for wastewater generation: (Table on page IV-1)	UPDATED DATA TABLES AND LOS DATA	YES

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
Policy 4.1.1.3: All land use plan amendments shall require an analysis of the impact of such amendment on the adopted level of service standard and existing sanitary sewer facilities.	N/A	NO
Policy 4.1.1.4: All expansions and other improvements of residential, institutional, office, commercial and industrial uses that increase the demand on public infrastructure and require permitting shall comply with the adopted levels of service.	N/A	NO
Policy 4.1.1.5: When evaluating collection force main and lift station capacity, the City shall use a peak factor of 3.0 times the average daily flows (ADF)	N/A	NO
Policy 4.1.1.6: The City shall encourage continuing education of operating staff to ensure proficiency with respect to optimization of sanitary sewer maintenance and operation processes.	N/A	NO
Policy 4.1.1.7: The City shall comply with bond covenants, if any, to ensure the maintenance and operations of facilities, and to provide recommendations for system maintenance and improvements.	N/A	NO
Policy 4.1.1.8: Sanitary sewer facilities shall be replaced and existing deficiencies shall be corrected based upon the following priorities: A. Any project correcting an immediate threat to the health, safety, or welfare of the City's residents will receive priority over the expansion of a facility or the correction or replacement of a non-threatening facility.	N/A	NO

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
B. Any project that will correct an existing deficiency will receive priority over a project to expand the system. C. Projects that will result in the system exceeding the adopted level of service will be denied.		
Objective 4.1.2: Future Sanitary Sewer System. The City shall ensure that the sanitary sewer system is adequate to service the incorporated limits of the City, where the City has an existing legal commitment to provide services, and additional areas outside the incorporated limits as deemed feasible and practical by the City	N/A	NO
Policy 4.1.2.1: When feasible the City will enter into agreements with other government agencies related to the provision of treated wastewater effluent outside of the City's corporate limits. Such agreements will include all necessary legal requirements, rates, financing, specifications, and relevant information pertinent to the provision of treated wastewater effluent to and from the City.	N/A	NO
Policy 4.1.2.2: The City will continue to coordinate with Brevard County to encourage support of all wastewater objectives and policies that are relevant to the enclaves or areas identified through an urban reserve agreement. The City will inform the County of all changes in its service area for utilities and will request that the County inform the City of all proposed development within this service area.	N/A	NO

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
Policy 4.1.2.3: The wastewater system will operate as an enterprise fund, on a revenue-supported basis with user fees covering all operational costs. Revenue bonds and grant funds will provide additional financing for system improvements and expansion.	N/A	NO
Policy 4.1.2.4: The City will maintain a plan for extending the wastewater collection system and necessary pumping facilities to developing parts of the City and to areas for potential annexation outside the City.	N/A	NO
Policy 4.1.2.5: Following a determination of concurrency for sanitary sewer, and adequate sanitary sewer facilities are in place prior to the impact of development, the City shall require payment of applicable sewer impact fees upon development approval prior to issuance of a certificate of occupancy.	N/A	NO
Policy 4.1.2.6: By ordinance, the City shall mandate connection to the City's central sewerage system when available.	UPDATED DATA TABLES AND LOS DATA INFORMATION	YES
Objective 4.1.3: Treatment and Disposal. The existing treatment system will operate at the tertiary treatment level including all appropriate tests and procedures as required by FDEP and any other relevant governmental agency. System modification and expansion shall include consideration of appropriate changes in treatment level.	N/A	NO
Policy 4.1.3.1: The City's sanitary sewer system will be operated in compliance with all local, state and federal regulations and standards.	N/A	NO

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
Policy 4.1.3.2: The City will participate in intergovernmental strategies and programs related to the provision of wastewater service and disposal of treated wastewater effluent within Brevard County, including the coordination of consolidation of wastewater treatment service when it is in the best interest of the citizens of Cocoa.	N/A	NO
Policy 4.1.3.3: The City shall coordinate its utility and transportation planning efforts to take advantage of the most economical construction and maintenance costs possible when installing, repairing and/or replacing utility lines, roads and sewers.	N/A	NO
Policy 4.1.3.4: The City shall continue the implementation of the reclaimed water system as deemed feasible.	N/A	NO
Policy 4.1.3.5: Sludge disposal agreements will be maintained with the Brevard County Landfill (dry) and at least one private contractor (wet).	N/A	NO
Policy 4.1.3.6: Wastewater reuse for irrigation and other non-potable uses will be expanded into areas throughout the City where customer use is anticipated to be 25% or greater within five years of installation.	N/A	NO
Objective 4.1.4: On-site Wastewater Disposal. The permitting and installation of additional septic tanks or package plants within the incorporated city limits will be discouraged or prohibited, except where on-site disposal represents the most efficient cost effective and environmentally compatible alternative.	N/A	NO

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
That decision will be based on availability of central sanitary sewer facilities and on available technical information regarding soils, groundwater table elevations, subsurface hydrology, percolation rates and other factors.		
Policy 4.1.4.1: The City will coordinate with health officials to assure sewer availability to developed properties with failing septic systems.	N/A	NO
Policy 4.1.4.2: The City will coordinate with Brevard County Consumer Health Services to evaluate each permit for a septic tank system located within the incorporated City limits.	N/A	NO
Policy 4.1.4.3: The City will coordinate with Brevard County Consumer Health Services to establish procedures for the monitoring of all septic tanks within the incorporated City limits.	N/A	NO
Policy 4.1.4.4: The City will develop a plan to phase-out septic tank use wherever feasible and cost effective.	N/A	NO
Policy 4.1.4.5: The City will coordinate with Brevard County to support this objective with regard to the enclaves and any areas identified through an urban reserve agreement.	N/A	NO
Policy 4.1.4.6: Wastewater package plants will only be allowed in the event that sewer capacity is not scheduled to be available or to satisfy on-site pretreatment required by the City.	N/A	NO
Policy 4.1.4.7: The City will adopt an ordinance prohibiting package plants within the incorporated City limits and will coordinate with Brevard County to	N/A	NO

2020-2030 Comprehensive Plan Sanitary Sewer	Analysis/Recommendations	State Required Changes
encourage support of all objectives and policies that are relevant to the enclaves or areas identified through an urban reserve agreement.		
Objective 4.1.5: Land Development Regulations. The land development regulations shall be evaluated periodically to ensure that future development within the incorporated limits of the City is coordinated with City wastewater plans.	N/A	NO
Policy 4.1.5.1: Approval of new development will be based in part, upon an evaluation of the impact of the development on the City's wastewater treatment system.	N/A	NO
Policy 4.1.5.2: The City will require all new collection lines and lift stations constructed by public and private developers to be constructed according to City standards, and, at the City's option, to be dedicated to the City.	N/A	NO
Policy 4.1.5.3: The City will require the total costs (extension of lines, alterations to lift stations and the cost of plant capacity) for providing new wastewater service to be borne by the specific users of the new service. Reduction in costs to the new users may be made if deemed necessary or beneficial by the City to accomplish specific goals (e.g. environmental concerns, economic growth, and customer base growth).	N/A	NO

V: Solid Waste Element Review

2020-2030 Comprehensive Plan Solid Waste Element	Analysis/Recommendations	State Required Changes
GOAL 5.1: The City will provide efficient solid waste collection service to the residents of Cocoa while protecting the environment and public health.	N/A	NO
Objective 5.1.1: Solid Waste Collection. The City shall continue to provide for solid waste collection services to City residents and commercial establishments throughout the planning horizon.	N/A	NO
Policy 5.1.1.1: The collection service will be operated with revenues from monthly service fees.	N/A	NO
Policy 5.1.1.2: The City will maintain land development regulations that require development review procedures to evaluate the impact of proposed land development projects on the collection system through concurrency review procedures.	N/A	NO
Policy 5.1.1.3: The City shall ensure adequate equipment to maintain the following level of service standard for solid waste collection: (Table provided pg. 69)	N/A	NO
Policy 5.1.1.4: The City will maintain and enforce the litter ordinance, including the removal of litter from drainage ditches.	N/A	NO
Objective 5.1.2: Solid Waste Disposal. The City shall continue to coordinate with Brevard County for the processing and disposal of solid waste at the county facility in a safe and efficient manner.	N/A	NO
Policy 5.1.2.1: The City will deliver its solid waste to the Central Brevard Solid Waste Processing facility in accordance with Brevard County requirements.	N/A	NO
Policy 5.1.2.2: City participation in any activities related to the expansion of the solid waste processing facility to meet future needs will be based on annual summaries of proportional use data from Brevard County for solid waste service.	N/A	NO

2020-2030 Comprehensive Plan Solid Waste Element	Analysis/Recommendations	State Required Changes
Policy 5.1.2.3: The City shall coordinate with Brevard County and the East Central Florida Regional Planning Council to monitor and control the disposal of hazardous wastes in accordance with state law.	N/A	NO
Policy 5.1.2.4: The City shall require that all hazardous waste generators within the City properly manage their hazardous wastes in conformance with mandates of the Federal Resource Conservation and Recovery Act and other applicable laws.	N/A	NO
Policy 5.1.2.5: The City shall continue to cooperate with and promote Brevard County's public information program to increase public awareness of the nature, harmful effects and proper disposal methods of hazardous waste.	N/A	NO
Policy 5.1.2.6: The City shall continue to develop educational programs for the general public and solid waste professionals to encourage hazardous waste source reduction and recycling.	N/A	NO
Policy 5.1.2.7: The City shall continue to provide applicable employee training for inspection, identification and disposal of hazardous waste materials.	N/A	NO
Objective 5.1.3: Recycling. The City shall encourage the reduction in the volume of solid waste collected through resource recovery, recycling, and conservation programs.	N/A	NO
Policy 5.1.3.1: The City shall continue to develop educational programs for the general public and solid waste professionals to encourage waste reduction.	N/A	NO
Policy 5.1.3.2: To the fullest extent feasible, the City will encourage public and private sector participation in solid waste recovery, recycling, and conservation programs.	N/A	NO
Policy 5.1.3.3: The City shall coordinate with Brevard County with respect to solid waste management and waste recycling programs.	N/A	NO
Policy 5.1.3.4: The City will assist the efforts of Brevard County in promoting the reduction of the solid waste stream.	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
GOAL 6.1: The City shall ensure the provision of a stormwater management system of appropriate capacity and functionality to protect public health and safety, fulfill requirements of the National Pollutant Discharge Elimination System (NPDES) and Total Maximum Daily Loads (TMDL's).	N/A	NO
Objective 6.1.1: Protect Groundwater Recharge, Natural Drainage Features and Water Quality. The City shall continue to require, through the enforcement of development standards, the protection of groundwater recharge, natural drainage features and surface water quality from the impacts of development.	N/A	NO
Policy 6.1.1.1: The City's land development regulations shall contain standards that require post-development groundwater recharge rates equal to or greater than pre-development rates.	N/A	NO
Policy 6.1.1.2: The City shall include stormwater treatment measures and associated "best management practices" such as earthen berms, swales, settling basins, retention/detention facilities, filtration facilities, natural vegetation and vegetative buffers, oil/grease baffles and skimmers, porous pavement materials, street sweeping and similar devices and practices intended to improve overall water quality in any adopted design standards and land development regulations.	N/A	NO
Policy 6.1.1.3: The City will continue to reduce the quantity and improve the quality of stormwater discharge into receiving water bodies and wetlands by continuing to maintain and operate the following stormwater storage/treatment systems: A. The Rockpond Project treats stormwater runoff from 170+ acres of developed land in Cocoa that discharges into the St.	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
Johns River. This project is a cooperative effort with the City of Rockledge and Brevard County. B. Bracco Pond treats 1800 acres of untreated stormwater in the City that currently drain directly into the Indian River Lagoon, and continues to be utilized, as permitted, as a supplemental water supply to the City's Reclaimed Water System. Water quality will be monitored in accordance with its Florida Department of Environmental Protection (FDEP) requirements. C. The Riverfront Park Project stormwater treatment system treats urban stormwater runoff from 20+ acres and will continue to be monitored for its performance in accordance with its St. Johns River Water Management District. Permit D. North Fiske Stormwater Pond treats stormwater runoff from Florida Department of Transportation's widening of US 1. E. Continue to seek additional projects for retrofitting stormwater systems utilizing best management practices and seeking grants as available.		
Policy 6.1.1.4: The City shall require that proposed new development does not alter natural drainage patterns and water storage capabilities so that increased volumes of water are discharged onto surrounding properties or that surface drainage flow are not impeded or retarded so as to create or contribute to flooding or diminished land usage, unless such lands have been purchased or designated by the City for stormwater storage purposes.	N/A	NO
Policy 6.1.1.5: The City shall inspect businesses as needed to protect against illegal dumping or drainage of hazardous, toxic or	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
deleterious substances into the City's stormwater management system for conveyance into receiving water bodies.		
Policy 6.1.1.6: The City, as required by NPDES permit and the Basin Management Action Plan (BMAP) process, shall collect, compile and evaluate water quantity and quality data for conveyance systems and water bodies that transport and receive flow from stormwater runoff originating from within City Limits. The City will use the surface water quality monitoring program for the purposes of assisting in: A. Establishing baseline or ambient water quality conditions where none presently exist, and updating existing data on present conditions; B. Determining the quality of discharges from particular stormwater outfalls suspected of being significant sources of pollutant discharge; C. Identifying further capital improvements or performance standards for development which are needed to protect aquatic grass beds, wetlands, and water bodies.	N/A	NO
Policy 6.1.1.7: The City shall maintain a comprehensive inventory of all components of the City's surface water management system as part of the City's Surface Water Management Plan, which will be updated in 2012 and every five years thereafter, to include the determination and identification of: A. Water flow patterns, hydro periods and the boundaries of all drainage basins within the City that receive stormwater from within the City, and those basins that receive stormwater from within and outside of the City; B. Current land uses within each of the identified drainage basins; C. All point source discharges;	UPDATED DATA TABLES AND LOS DATA INFORMATION	YES

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
D. Surface water that does not meet Florida Department of Environmental Protection (FDEP) standards; E. 100-year flood-prone areas, including all floodplains; F. Extent of existing excess (uncommitted) water flow and storage capacity; G. Extent of existing deficiencies, including flow and storage capacities; H. Improvements necessary for the proper operation and management of the Surface Water Management System; and I. Engineering, biological, and other studies needed to develop the prioritized needs, types and locations of public capital improvement projects and additional performance standards for development.		
Objective 6.1.2: Maintenance and Operation of Public Stormwater Facilities. The City shall ensure that all stormwater management systems under the City's authority receive the proper levels of operation and maintenance necessary for the effective accomplishment of their intended water management functions.	UPDATED DATA TABLES AND LOS DATA INFORMATION	YES
Policy 6.1.2.1: Surface water management projects will be implemented in accordance with the adopted Surface Water Management Plan, as updated, and the Capital Improvements Element.	N/A	NO
Policy 6.1.2.2: The City shall inspect public stormwater management system components and undertake required maintenance on at least an annual basis.	N/A	NO
Policy 6.1.2.3: The City shall coordinate with various public entities such as the SJRWMD, FDEP, Brevard County, and with various civic organizations, in the preparation and dissemination of information to the public regarding litter control, fertilizers,	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
pesticides and herbicides usage and proper application procedures, and the proper disposal of pollution-causing substances and materials.		
Policy 6.1.2.4: The City shall continue to implement and update the Surface Water Management Plan. Specifically, the plan will contain such elements as the following as they are developed by the City or other agencies acting to protect and enhance the waters outlined in the plan: A. Determine the boundaries of all drainage basins within the City limits to which stormwater within the City drains and the boundaries of all drainage basins, within and outside of the City limits, from which the City receives drainage; B. Identify, quantify, and prioritized flooding situations by magnitude, frequency and severity of impact, including the ability of existing wetlands and water bodies to assimilate stormwater, based on an analysis of plant communities, without degrading the vitality of the natural wetland communities; C. Develop a plan for solving or avoiding flooding situations including a preferred alternative and at least one alternative solution for each flooding situation that will accomplish significant reduction or elimination of pollutants in both stormwater and point source discharge from reaching receiving water bodies and wetlands for each drainage basin. Solutions shall make use of non-structural methods, including performance standards for development, wherever possible; D. Assess the general vitality and distribution of grass beds in water bodies as well as natural wetland plant communities in wetlands for those water bodies which currently receive, or can reasonably be expected to receive in the future, stormwater or point source discharges from within the City limits. Where grass beds for wetland plant communities have been or may be adversely affected by stormwater or point source discharges,	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
develop specific strategies and an implementation schedule for eliminating these adverse impacts; E. Design and implement a surface water monitoring protocol, including: 1. Identification of the entity charged with the responsibility of carrying out this work; 2. The type, location, and frequency of monitoring; and 3. Where the monitoring program indicates permit violations or degradation of the receiving waters or wetlands or their grass beds or plant communities, requires that retrofitting, replacement, or redesign of stormwater systems or point source discharges must be done. F. Identify prioritized actions regarding flood control and abatement, stormwater management, environmental and resource protection and water pollution control problems, needs, issues and opportunities; G. Identify performance standards needed to assure protection of water quality and water flow regimes and native plant communities in wetlands and water bodies; and H. Identify the entity assigned the responsibility of undertaking or overseeing each recommended action.		
Objective 6.1.3: Intergovernmental Coordination. The City shall maintain effective levels of intergovernmental coordination and cooperation with affected units of federal, state, and local government having responsibility for, or being involved in the planning, design, construction and operation of stormwater management systems under the jurisdiction of multiple governmental agencies.	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
Policy 6.1.3.1: Interagency staff coordination through formal and informal means (e.g. interlocal agreements, jointly sponsored projects, watershed working groups and staff-to-staff liaison) will be maintained with Brevard County and other governmental agencies regarding downstream drainage canal capacities to ensure that flooding problems are not created by insufficient downstream flow capacity	N/A	NO
Policy 6.1.3.2: Information about the City's surface water management system will be provided to other agencies as requested for use in the planning, design and implementation of surface water management systems operated by other agencies.	N/A	NO
Policy 6.1.3.3: The City shall actively participate in the preparation and implementation of applicable Surface Water Improvement and Management (SWIM) plans being undertaken by the SJRWMD that will involve or include land areas in the City or water bodies affected by drainage from the City. The City shall review and provide input to the SJRWMD in its update of the applicable SWIM plans for the Indian River Lagoon and St. Johns River. As part of the implementation of the SWIM Plan, the City shall develop and adopt specific strategies to protect and restore grass beds or wetland plant communities that have been or may be adversely affected by stormwater or point source discharge from the City, to include performance standards for development and prioritized actions to be taken by the City.	N/A	NO
Policy 6.1.3.4: The City shall seek the advice and assistance of appropriate agencies in the design, establishment and implementation of the surface water monitoring program as required in the Joint Stipulation Agreement and Amended Final Order of the Florida Administration Commission, to include but not limited to Brevard County, the City of Rockledge, the SJRWMD, the FDEP and the U. S. Environmental Protection Agency	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
Policy 6.1.3.5: Except as provided in Future Land Use Element Policy 1.1.2.7 (H), the City will require non-structural methods for flood control, wherever possible, that are designed to maintain natural flow rates and quantities of water.	N/A	NO
Policy 6.1.3.6: Except as provided in Future Land Use Element Policy 1.1.2.7 (H), flood control for new development will be accomplished through the limitation of fill in the 100-year floodplain when economically feasible. In cases where there is no practical alternative to fill in the 100-year floodplain, compensatory storage shall be provided through excavation of a volume equivalent to the loss of storage within the100-year floodplain resulting from the placement of fill in adjacent upland areas (above the 100-year floodplain) where such compensatory storage can be accomplished in an environmentally sound and economically feasible manner.	N/A	NO
Objective 6.1.4: Stormwater Facilities Capacity. The City shall maximize the use of existing stormwater management facilities and require new development to construct facilities to achieve and maintain adopted stormwater management level of service standards that fulfill NPDES and TMDL mandates for stormwater quality and quantity.	N/A	NO
Policy 6.1.4.1: The City, as part of the Surface Water Management Plan updates, shall identify and perform a comparative analysis of all capital, operational and maintenance costs associated with the identified preferred and secondary alternatives intended to address flooding, pollution control and environmental degradation problems and needs, including the following: A. The estimated costs of undertaking individual actions involving public construction projects or major manpower commitments and an economically feasible funding source for each; B. The proposed prioritized plan of implementation;	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
C. The recommended time schedule for undertaking the prioritized actions, based on levels of degradation suffered by or anticipated for wetlands and water bodies, financial capabilities and time requirements to undertake the individual actions; and D. The list of necessary revisions to the Capital Improvements Element, including the Five-year Schedule of Capital Improvements, to reflect the prioritized actions which involve funding commitments.		
Policy 6.1.4.2: Every five years, the City shall publish reports describing data obtained and progress made toward accomplishing the goals of the Surface Water Management Plan.	N/A	NO
Policy 6.1.4.3: The City shall utilize funds from the stormwater assessment fee for correcting deficiencies in the public stormwater management system and funds from the stormwater utility service fee to provide funding for financing proposed improvements related to new development.	N/A	NO
Policy 6.1.4.4: New development shall design stormwater management systems to meet the rules and criteria established by the City of Cocoa, the SJRWMD and the Florida Department of Environmental Protection, as applicable.	N/A	NO
Policy 6.1.4.5: At a minimum, the existing stormwater management systems and current levels of service shall be maintained. The City shall achieve and maintain the following adopted stormwater management level of service (LOS) standards for new development and redevelopment (Table provided on page 78)	UPDATED DATA TABLES AND LOS DATA INFORMATION	YES
Policy 6.1.4.6: The City shall inspect individual on-site stormwater treatment facilities following their construction and periodically to ensure proper operation and maintenance.	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
Objective 6.1.5: Sustainable Stormwater Management Strategies. The City shall encourage the use of sustainable, low impact development (LID) strategies to address stormwater management for developments ranging from individual building sites, to subdivisions, to large planned developments.	N/A	NO
Policy 6.1.5.1: The City shall coordinate with local, regional, state and federal agencies to provide educational materials and forums to the public and the development community on the value and benefits of sustainable stormwater management facilities design.	N/A	NO
Policy 6.1.5.2: For new construction or redevelopment of City buildings and facilities, the City shall utilize LID principles to the extent practicable to address stormwater management needs and to model innovative techniques: • Manage stormwater as close to its origin as possible by using many small-scale LID techniques. • Create a site design that slows surface flows, increases the amount of time stormwater flows over the site and implements/retains pervious surfaces (areas maintained in their natural conditions or materials that permit the infiltration or percolation of water into the ground) where appropriate. • Increase the reliability of the stormwater system by using multiple, redundant stormwater controls. • Integrate stormwater controls into the design of the site and use the controls as site amenities. • Reduce the reliance on traditional collection and conveyance stormwater practices.	N/A	NO
Policy 6.1.5.3: The City shall consider updating land development regulations to permit innovative LID techniques in the design of	N/A	NO

2020-2030 Comprehensive Plan Stormwater Element	Analysis/Recommendations	State Required Changes
stormwater management facilities for development and redevelopment sites including, but not limited to the following: • Bioretention cells or swales (also known as rain gardens); • Cisterns and rooftop rainwater harvesting; • Permeable concrete pavers or pavement.		

VII: Potable Water Element Review

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
GOAL 7.1: The City shall plan for and assure an adequate supply of potable water to the citizens of Cocoa, municipalities and unincorporated areas within the franchise area granted by the State, Federal installations within the franchise area, and other customers in accordance with City of Cocoa agreements.	N/A	NO
Objective 7.1.1: Maintain Level of Service. Based upon the adopted level of service (LOS) standards, the City shall adopt programs and activities as needed to correct existing deficiencies and maintain the public water system.	UPDATED DATA AND LOS TABLE	YES
Policy 7.1.1.1: LOS standards are as follows: (Table Provided Pg 3) AVERAGE FLOW: 122 gallons per capita per day (gpcpd) per Equivalent Residential Connection (ERC), or 340 gallons per day per ERC PEAK DAILY FLOW: 510 gallons per day per ERC PEAK FLOW COEFFICIENT: 1.5 PRESSURE: Normal: 55-65 psi. Peak Hour: 40-50 psi. During Fire: 20 psi.	UPDATED DATA AND LOS TABLE	YES
Policy 7.1.1.2: The City shall update its LOS based on changes to the Regional and State Plans and the St. Johns River Water Management District (SJRWMD) Water Supply Facility Management Plan.	UPDATED DATA AND LOS TABLE	YES
Policy 7.1.1.3: The City shall issue no development orders or permits without first determining whether adequate water supplies to serve the development will be available no later than the	N/A	NO

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
anticipated date of issuance by the City of a certificate of occupancy or its functional equivalent. The City will also ensure that adequate water supplies and facilities are available and in place prior to issuing a certificate of occupancy or its functional equivalent.		
Objective 7.1.2: Plant Capacity. The City's Water Treatment Plant will continue to maintain sufficient design capacity to meet existing and projected flow rates based on annual summaries of capacity and demand information prepared by the City's Utilities Department.	N/A	NO
Policy 7.1.2.1: Projected flow rates will be updated annually based on best available data.	UPDATED DATA AND LOS TABLE	YES
Policy 7.1.2.2: Expansion of the design capacity of the Water Treatment Plants will be consistent with the goals, objectives and policies of the Plan and multi-jurisdictional water planning efforts in central Brevard County.	N/A	NO
Objective 7.1.3: Service Area Development. The City will continue to provide potable water to its franchise area.	N/A	NO
Policy 7.1.3.1: Potable water contractual agreements will include all necessary legal requirements, rates, service area specifications and relevant information pertinent to the provision of potable water service.	N/A	NO
Policy 7.1.3.2: Development within the franchise area will be coordinated with the City specifications and requirements for provision of potable water service.	N/A	NO
Policy 7.1.3.3: Expansion of the distribution system will continue to be funded by user fees and connection charges and supplemented with grant funds when appropriate.	N/A	NO
Objective 7.1.4: Water Conservation. Water conservation will be ensured through standards established in the City's Consumptive Use Permit issued by the St. John's River Water Management District. All goals, objectives, and policies of the Conservation Element pertaining to use of potable water shall apply.	N/A	NO
Policy 7.1.4.1: The City's land development regulations will include water conservation strategies. Conservation strategies may include, but are not limited to:	N/A	NO

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
A. Installation of water conserving plumbing fixtures in new or renovated building construction that is, at a minimum, consistent with the requirements of the State Water Conservation Act and the Brevard County Water Conservation Plan. B. Water reuse and/or reclamation, for irrigation, industrial use and other appropriate non-potable water use applications. C. Requesting new development to use natural vegetation and/or drought resistant plants. D. Continued utilization of escalating block rate water pricing for potable water use. E. The City shall require all new development and substantial redevelopment to connect to the reclaimed water system, if available. If not available, but availability is planned within five years, require installation of dry lines for future connection to the reclaim system. F. Continue requiring the installation of meters for reclaim service. G. Where feasible, the City shall require reuse water or some other non-potable source of water, such as stormwater, for irrigation of all public areas owned by the City H. The City shall continue to implement best management practices for water conservation, including any new technology not yet developed. I. The City shall adopt a water conservation ordinance for the incorporated City requiring use of such water conservation methods as use of “Florida Friendly Landscape Techniques”, conduct landscape irrigation audits, conduct irrigation conservation presentations for local schools and organizations, and research and adopt low impact development techniques such as Florida’s Water Star program.		

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
J. The City shall evaluate offering incentives for increased water efficiency by giving a corresponding reduction in the standard water, sewer, and reuse water fees for new developments with proven water efficiency. K. Encourage the use of third party, sustainable building rating and certification systems, such as the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system on all new developments as well as renovation projects including both private and public buildings.		
Policy 7.1.4.2: The City will support water conservation through participation in existing county, state and federal programs, and by establishing its own programs, including but not limited to, developing a program to encourage retrofitting existing high volume flush toilets with low flow toilets.	N/A	NO
Objective 7.1.5: Water Supply Facilities Work Plan (Work Plan). The City shall maintain a Water Supply Facilities Work Plan that covers a minimum ten-year planning period addressing water supply facilities necessary to serve existing and future development within the City's water service area.	N/A	NO
Policy 7.1.5.1: The City hereby adopts into the Comprehensive Plan by reference, its Water Supply Facilities Work Plan. To ensure ongoing consistency and compliance with the SJRWMD Water Supply Management Plan as it may be amended from time-to-time, this plan will be updated through amendments to the Comprehensive Plan.	N/A	NO
Policy 7.1.5.2: On an annual basis, the City shall update the Capital Improvements Statement attached to the Water Supply Facilities Work Plan as an appendix to update the listing of projects needed to support the Work Plan.	N/A	NO

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
Policy 7.1.5.3: Within 18 months of the SJRWMD updating its Water Supply Management Plan, the City shall adopt changes to its Water Supply Facilities Work Plan as needed to keep said plan current and consistent with the SJRWMD's plan, including population and capacity projections	N/A	NO
Policy 7.1.5.4: In conjunction with the SJRWMD, the City shall develop a plan to increase its use of alternative water sources. The City shall continue to participate in the Cocoa / Rockledge Interconnect and the St Johns River / Taylor Creek Reservoir alternative water supply projects.	N/A	NO
Policy 7.1.5.5: As required by State Statute and law, the City shall maintain an annually updated Capital Improvements Plan in conjunction with updates to the Capital Improvements Element of the City of Cocoa Comprehensive Plan.	N/A	NO
Policy 7.1.5.6: The Water Supply Facilities Work Plan will be consistent with the potable water level of service standards established in Policy 7.1.1.1.	UPDATED DATA AND LOS TABLE	YEES
Policy 7.1.5.7: The Water Supply Facilities Work Plan will be updated within 18 months of any District Water Supply Plan SJRWMD updates that affects the City.	N/A	NO
Policy 7.1.5.8: When updating the Water Supply Facilities Work Plan the City will seek alternative sources of water in order to meet projected demand increases.	N/A	NO
Policy 7.1.5.9: The Water Supply Facilities Work Plan will be used to prioritize and coordinate the expansion and upgrade of facilities used to withdraw, transmit, treat, store and distribute potable water to meet future needs.	N/A	NO
Policy 7.1.5.10: The City will establish and maintain at a minimum a current five year schedule of capital improvements for the improvement, extension, and / or increase in capacity of water facilities.	N/A	NO
Policy 7.1.5.11: The City will compare the CIP with the CIE of the Comprehensive Plan annually to ensure compatibility and consistency between the two documents.	N/A	NO

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
Policy 7.1.5.12: The City shall develop and maintain a water quality calibrated hydraulic model and accurate GIS maps for the potable water system	N/A	NO
Policy 7.1.5.13: The City shall develop and maintain a 20-year master plan for the potable water system with comprehensive updates conducted not less frequently than once every five years	N/A	NO
Objective 7.1.6: Alternative Water Supply. The City shall identify and use water supply sources that are consistent with the Water Supply Facilities Work Plan and the SJRWMD Water Supply Management Plan	N/A	NO
Policy 7.1.6.1: The City shall develop feasible alternative sources of water, while avoiding adverse impacts on the natural environment.	N/A	NO
Policy 7.1.6.2: The City shall maximize the use of alternative water supplies and implement management techniques in order to sustain water resources, and enhance existing supplies	N/A	NO
Objective 7.1.7: Water Supply Sources. The City will identify and utilize sources of water that can be used to meet existing and future needs when maintaining and updating the Water Supply Facilities Work Plan.	N/A	NO
Policy 7.1.7.1: In conjunction with the SJRWMD and other local governments the City will seek the development of efficient cost effective and technically feasible water sources that will supplement future demands without causing adverse impacts to water quality wetlands and aquatic systems. These sources may include but are not limited to brackish groundwater, surface water, and seawater.	N/A	NO
Policy 7.1.7.2: The City will maximize the use of existing potable water facilities through the implementation of management techniques that can enhance a source of supply, sustain water resources, and related natural systems and/or optimize water supply. These techniques may include but are not limited to aquifer storage recovery; reclaimed water system interconnects, and water conservation.	N/A	NO
Policy 7.1.7.3: The City's annual water consumption will be equal to or less than the amount allocated under the District issued consumptive use permit.	N/A	NO

2020-2030 Comprehensive Plan Potable Water Element	Analysis/Recommendations	State Required Changes
Policy 7.1.7.4: The City will participate in updates of the SJRWMD's water supply assessments and updates of the District Water Supply Plan to enable the City to effectively update design and implementation aspects of the City's water supply plan.	N/A	NO
Objective 7.1.8: Provision of Potable Water on a Wholesale Basis. When feasible, the City will enter into agreements to provide potable water on a wholesale basis to other potable water suppliers in need of potable water outside of the City's franchise area.	N/A	NO
Policy 7.1.8.1: Any wholesale water agreements will include all necessary legal requirements, rates, financing specifications, and relevant information pertinent to the provision of potable water on a wholesale basis.	N/A	NO
Policy 7.1.8.2: All wholesale water agreements will be consistent with the standards and requirements established in the City's Consumptive Use Permit(s) issued by the St. Johns River Water Management District	N/A	NO

VIII: Aquifer Element

2020-2030 Comprehensive Plan Aquifer Element	Analysis/Recommendations	State Required Changes
GOAL 8.1: The City shall protect and preserve the function of the surficial freshwater aquifer and recharge areas within the City of Cocoa to ensure an adequate source of quality and quantity of potable water.	N/A	NO
Objective 8.1.1: Intergovernmental Coordination. The City shall coordinate with other agencies and continue to enforce measures in the City Code that will ensure preservation of natural recharge to the City's groundwater resource and conservation of its potable water sources.	N/A	NO
Policy 8.1.1.1: The City shall coordinate with Brevard County, the SJRWMD and other state and federal agencies in the education of residents and business owners on water conservation and the protection of groundwater.	N/A	NO

2020-2030 Comprehensive Plan Aquifer Element	Analysis/Recommendations	State Required Changes
Policy 8.1.1.2: The City shall continue to coordinate with Brevard County, Orange County, the SJRWMD and state and federal agencies to achieve regional aquifer recharge protection objectives.	N/A	NO
Policy 8.1.1.3: In order to reduce the potential for saltwater intrusion and to protect existing groundwater supplies, the City shall continue to require the expansion of the alternative water supply and distribution system.	N/A	NO
Objective 8.1.2: Best Management Practices. The City shall recognize best management practices and include these in the land development regulations to protect and preserve the quality and quantity of groundwater occurring in the City of Cocoa.	N/A	NO
Policy 8.1.2.1: The City shall continue to enforce land development regulations that establish standards for development to protect recharge areas through the requirement for landscaping and open space.	N/A	NO
Policy 8.1.2.2: The City shall continue enforcement of its land development regulations to ensure that land uses requiring the routine application of pesticides or herbicides or requiring underground storage of hazardous materials maintain a groundwater monitoring program designed to detect contamination of the surficial aquifer	N/A	NO
Policy 8.1.2.3: The City shall require that development within high aquifer recharge areas maintain pre-development net recharge in the postdevelopment condition to protect ground and surface water	N/A	NO
Policy 8.1.2.4: The City shall identify critical high aquifer recharge areas that are vital to the protection of natural systems and/or current or future sources of potable water and require a higher level of protection for these areas than required elsewhere in the City, including, but not limited to, lower impervious surface ratios, higher open space requirements and enhanced stormwater runoff protection measures.	N/A	NO
Policy 8.1.2.5: Pervious surface shall be defined as land that is not built upon with any structure or pavement nor has any feature that prevents surface	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
GOAL 9.1: The natural resources of the City's coastal planning area shall be preserved, protected or enhanced, as physically, fiscally, and practically feasible in light of impacts from sea level rise, to provide the highest possible water quality, habitat for fish and wildlife and use for public recreation while safeguarding human life, property and public expenditures	N/A	NO
Objective 9.1.1: Coastal Planning Area: The Coastal Planning Area (CPA) shall be defined as the hazard area as delineated in Figure CM-1 which includes: (1) The Coastal High Hazard Area (CHHA); (2) Areas of the City vulnerable to a Category 3 storm surge as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model; (3) Areas of the City vulnerable to sea level rise by 2070 based on the 2013 USACE High sea-level-rise curve; (4) Other areas of the City identified by the City Council as being subject to, or in the immediate vicinity of areas subject to, coastal erosion, flooding or sea level rise	N/A	NO
Policy 9.1.1.1: If 20% or more of a parcel is located within the CPA, then the entire parcel shall be considered within the CPA.	N/A	NO
Policy 9.1.1.2: The CPA shall also serve as the Adaptation Action Area in accordance with Sections 163.3164(1) and 163.3177(6)(g)10 Florida Statutes with the purpose of increasing funding opportunities (such as grants) and identifying creative solutions for increasing the resiliency of the Adaption Action Area against natural hazards, flooding and sea level rise, so that the City may: (1) Protect the health, safety and welfare of residents (2) Prevent damage to public and private property	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
(3) Reduce National Flood Insurance Program premiums to property owners (4) Prioritize policies, projects and funding that implement flood alleviation improvements and mitigation projects		
Policy 9.1.1.3: Every 7 years, the City shall use public input, subject matter experts and best available science/data to refine the identification of the Coastal Planning Area	N/A	NO
Objective 9.1.2: Protection of Marine Resources. The City shall protect and restore, where possible, the following natural resources and environmental attributes within its control: endangered species and their habitat, native vegetation and wildlife, fisheries and estuarine habitat, water quality, wetlands, and floodplains	N/A	NO
Policy 9.1.2.1: The City shall continue to coordinate coastal planning area environmental protection and restoration efforts with adjacent local governments and shall institute procedures to ensure that development and restoration activities are consistent with existing resource protection plans.	N/A	NO
Policy 9.1.2.2: The City shall, with the assistance of the Marine Resources Council of East Florida, identify all resource protection plans for the Indian River and Cocoa coastal planning area which exist or are in development.	N/A	NO
Policy 9.1.2.3: The City shall ensure that its plans, procedures, and development criteria conform to the guidelines provided by resource protection plans for the Cocoa coastal planning area	N/A	NO
Policy 9.1.2.4: The City shall minimize the disturbance of natural shorelines to improve and continue the stabilization, protection and habitat benefits natural shorelines provide through the prioritization of the use of living shorelines over new or replacement armoring in the coastal planning area. The City shall review and update related City Ordinance(s), to require evidence as to whether a project is eligible for permitting by the US Army Corps of Engineers under “Nationwide Permit (54) Living Shorelines” and evidence as to whether a living shoreline offers sufficient protection to the property. If “evidence” as described in the updated ordinance demonstrates that a living shoreline is not	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
sufficient to protect property and life, additional structural elements may be added but must be accompanied by living shoreline elements to the extent practical and feasible.		
Policy 9.1.2.5: The City shall maintain shoreline protection and erosion control by working with property owners and Brevard County to facilitate the installation and maintenance of native shoreline vegetation, oyster matts and other natural techniques along appropriate areas.	N/A	NO
Policy 9.1.2.6: Public expenditures in the coastal planning area, when available, will consider including programming improvements that restore and enhance natural resources.	N/A	NO
Objective 9.1.3: Estuarine Environmental Quality. The City shall preserve and protect the environmental quality of estuarine environments by limiting specific impacts and cumulative impacts of development or redevelopment while considering future impacts of sea level rise and flooding.	N/A	NO
Policy 9.1.3.1: The City shall actively participate in the Surface Water Improvement and Management (SWIM) Plan administered by the St. Johns River Water Management District (SJRWMD) for the Indian River Lagoon.	N/A	NO
Policy 9.1.3.2: The City shall participate in future updates to the Indian River Lagoon Comprehensive Conservation and Management Plan, most recently updated in 2008, and will continue to support and implement the action plan items applicable to the City.	N/A	NO
Policy 9.1.3.3: The City shall coordinate with the SJRWMD, the Florida Department of Environmental Protection (FDEP), the U.S. Army Corps of Engineers, and/or any other relevant regulatory agency, to conserve, enhance, and protect coastal wetlands	N/A	NO
Policy 9.1.3.4: The City shall, through its land development regulations, protect coastal natural resources from the impacts of development	N/A	NO
Policy 9.1.3.5: The City shall continue to work with Brevard County to implement the recommendations of the Brevard County Manatee Protection Plan as well as Save Our Indian River Lagoon Projects.	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
Policy 9.1.3.6: The City shall continue to implement National Pollution Discharge Elimination System (NPDES) nonpoint source permitting program	N/A	NO
Policy 9.1.3.7: The City shall coordinate estuarine water quality with the Brevard County Natural Resource Management Office. Corrective actions shall be coordinated with the SJRWMD and FDEP.	N/A	NO
Policy 9.1.3.8: The City shall continue to use alternative methods of effluent disposal such as re-use and land spreading/spray irrigation to reduce nutrient loadings in the rivers and estuaries.	N/A	NO
Policy 9.1.3.9: The City shall work with property owners to encourage and implement minimum buffer, where feasible, of native vegetation between the shoreline and turf.	N/A	NO
Objective 9.1.4: Priority of Lagoon Shoreline Land Uses. The City shall continue to promote appropriate land uses along the Lagoon consistent with the public need, while protecting natural resources	N/A	NO
Policy 9.1.4.1: The City shall give priority in coastal development to those land uses that are dependent on or related to water access. A. Water dependent uses such as recreation, marinas and water dependent industry and utilities and uses approved as part of the City's Redevelopment Plan. B. Water-related or enhanced uses such as certain utilities, water related commerce and water enhanced recreation	N/A	NO
Policy 9.1.4.3: Industrial uses along the Indian River Lagoon in the City shall be prohibited.	N/A	NO
Policy 9.1.4.4: The City shall require that new marinas, mooring fields and substantial improvements or additions to existing marinas demonstrate compliance with the following criteria: A. Economic need and feasibility; B. Land use compatibility with surrounding land uses; C. Availability of upland support services;	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
D. Availability for public use; E. A plan to ensure that water quality will not be degraded below existing FDEP water classification standards. The plan shall address the maintenance and containment of stormwater runoff and wash-down water for dry storage areas and sanitary sewer disposal; F. Minimize shoreline hardening structures G. Hurricane contingency planning; H. Designation by the Clean Marina Program; I. A plan for mitigation activities in the event that the environment is adversely affected; J. An educational plan for users regarding impacts on the Lagoon is in place; and K. A plan for adaptation or mitigation strategies for sea level rise through 2070 and flood impacts to vulnerable infrastructure or facilities on the property in order to minimize damage and impacts to the property and lagoon.		
Policy 9.1.4.5: The City shall promote strategies and site development techniques with existing and new marinas to reduce impacts from sea level rise, flooding and storm surge such as, but not limited to, natural shorelines, dry or wet flood proofing, elevation of structures and infrastructure, and floating docks.	N/A	NO
Objective 9.1.5: Public Expenditures in the Coastal Planning Area. The use of public funds for infrastructure improvements which subsidizes increased development in the Coastal Planning Area (CPA) will prioritize projects which restore or enhance natural resources, are part of the City's Redevelopment Plan and/or serve to reduce risk of existing development and property hazards such as sea level rise, flooding and storm surge.	N/A	NO
Policy 9.1.5.1: Public expenditures for capital improvements that promote public access, hazard mitigation and use of coastal areas	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
shall be reviewed through the annual budget process to minimize loss potential and account for future impacts from sea level rise and flooding		
Policy 9.1.5.2: Local funds used to subsidize new development through new or improved infrastructure shall be limited within the CPA. New or improved infrastructure in the CPA shall not be used to justify new development in the CPA where the new or improved infrastructure removes previous capacity/safety impediments to additional development.	N/A	NO
Objective 9.1.6: Public Access to the Lagoon. The City shall continue to promote public access to the Lagoon consistent with the public need and to promote scenic views, while protecting natural resources and mitigating risk from natural hazards	N/A	NO
Policy 9.1.6.1: The City shall, where appropriate and to the extent physically and financially feasible while considering impacts from sea level rise and flooding, maintain and preserve all public access and water-related recreational facilities and shall inventory existing public access to the lagoon and water-related recreational facilities to identify deficiencies and opportunities.	N/A	NO
Policy 9.1.6.2: The City shall encourage the preservation of recreational and commercial working waterfronts as defined in section 342.07, F.S.	N/A	NO
Policy 9.1.6.3: The City shall adopt Brevard County's marina siting criteria by 2022	N/A	NO
Policy 9.1.6.4: The City shall continue to consider the purchase of frontage areas along the Indian River Lagoon, as needed, to ensure adequate public access, improve the estuarine area and serve as areas to mitigate impacts from storm surge, sea level rise and flooding.	N/A	NO
Policy 9.1.6.5: The City shall continue to seek County, state and federal programs to provide funding for purchase of riverfront property.	N/A	NO
Policy 9.1.6.6: The City shall coordinate with the County to ensure bikeway linkages to waterfront parks and public water access	N/A	NO
Policy 9.1.6.7: The City shall continue to coordinate with other coastal cities and Brevard County to investigate and implement	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
equitable measures to promote the provision or funding of public access ways to the Indian River Lagoon by new development.		
Policy 9.1.6.8: The City shall encourage, through the development review and approval process, the voluntary dedication of access to public waterways including designated scenic areas, conservation easements and other green space or natural areas with infrastructure strictly limited to that necessary for safe public access.	N/A	NO
GOAL 9.2: The City shall, as practically and financially feasible, establish and implement strategies for new development, redevelopment and investment in public facilities, utilities and infrastructure to protect and mitigate losses to human life and property in areas subject to natural disasters, flooding, and sea level rise.	N/A	NO
Objective 9.2.1: Coastal High Hazard Area (CHHA). The City shall continue to direct population concentrations away from the CHHA through implementation of the future land use map, land development code and through the development review and approval process.	N/A	NO
Policy 9.2.1.1: The Coastal High Hazard Area is delineated as the area below the elevation of the Category 1 storm surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model.	N/A	NO
Policy 9.2.1.2: The City shall continue to evaluate non-conforming land uses within the CHHA.	N/A	NO
Policy 9.2.1.3: In order to continue to direct population away from the CHHA, any increase of density for properties within the CHHA shall generally be discouraged from the time of this plan's adoption.	N/A	NO
Objective 9.2.2: Development, redevelopment, rebuilds, retrofits and additions in the City shall be planned and managed through strategies and design principles that are consistent with sound planning practices that protect life and property from the effects of flooding, storm surge and related impacts of sea level rise and that protect the long-term financial viability of the City.	N/A	NO
Policy 9.2.2.1: All new development and redevelopment shall be consistent with, or more stringent than, the flood resistant	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
construction requirements in the Florida Building Code and applicable flood plain management regulations set forth in 44 C.F.R. part 60		
Policy 9.2.2.2: The City shall require site development techniques that encourage more efficient and climate resilient development practices that include, but are not limited to: • Low impact development techniques on private and public property that provide for site design, engineering and stormwater management to reduce stormwater runoff, encourage greater onsite storage, reuse or absorption and mitigate flood impacts such as pervious pavement, native vegetation, rain gardens or barrels, etc. • Prioritization of living shoreline installation and maintenance. • Allowance of specialized fortification techniques as recommended by the Florida Green Building Council Additionally, the City shall continue to further explore standards that increase the City's coastal resiliency, such as requiring development to build at least three feet above the area's Base Flood Elevation or reducing the development's total amount of required parking while increasing the facility's potential for water absorption and retention.	N/A	NO
Policy 9.2.2.3: The City shall utilize, but not be limited to, the following tools, site development techniques and strategies for use within the coastal planning area and areas within the 100-year floodplain to implement and integrate in order to mitigate flooding and effects of sea level rise and storm surge in order to protect property, to the greatest physical and financial extent possible: (1) Green street techniques to divert, capture or absorb water in a way to reduce flood impacts on private property, including, but not limited to street trees, landscaped areas and vegetative curb extensions, bioswales, vernacular streetscapes, and roadway re-design.	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
(2) Hybrid stormwater masterplan to integrate a combination of green and gray infrastructure, including but not limited to bioretention, increasing pipe capacity, stormwater parks, rain gardens/bioswales, pumps, and water flow diversion strategies. (3) Underground utilities in vulnerable and feasible areas; (4) Establish new parking standards and parking lot site plan design with greater water capture techniques; (5) Increase of set-back lines for properties in the CPA (6) Natural dune restoration (7) Permeable pavement (8) Dry and Wet flood proofing of structures (9) Green/Open space		
Policy 9.2.2.4: The City shall not allow nursing homes, assisted living facilities, hospitals, or other group homes to be located in the Coastal Planning Area.	N/A	NO
Objective 9.2.3: Plan and Process Consistency. The City will work to institute the practice of adapting and mitigating the built environment to address natural hazards, flooding, and impacts from sea level rise across all plans, policies, procedures and coordination with partner agencies.	N/A	NO
Policy 9.2.3.1: The City shall audit and update all plans, policies, processes and other related documents to be consistent with the peril of flood goals, objectives and policies set forth in the comprehensive plan.	N/A	NO
Policy 9.2.3.2: The City will work with City staff and the public to integrate and implement the 2019 City of Cocoa Resilience Action Plan.	N/A	NO
Policy 9.2.3.3: The City, as per its adoption of the East Central Florida Regional Resilience Action Plan, will continue to	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
collaborate regionally with other entities and stakeholders to advance resilience across the region.		
Policy 9.2.3.4: The City, as per adoption of the East Central Florida Regional Resilience Action Plan will integrate the regional approach to sea level rise planning with its plans, procedures and policies. The City will consider a range of rise based upon the vulnerability, allowable risk, and project service life and the forecast project "in-service" date of a facility or development. The range will include a minimum rise of 5.15 feet by 2100 (2013 USACE High) with an upper range of 8.48 feet by 2100 (2017 NOAA High). Short-term planning should consider impacts out to 2040, 1.22 - 1.85 feet (20-year planning horizon), medium-term planning should consider impacts out to 2070 (2.85-4.47 feet) (50-year planning horizon), and long-term planning should extend out to 2100 (80-year planning horizon).	N/A	NO
Policy 9.2.3.5: The City shall assess current policies, ordinances and codes to increase mixed-use development in areas outside the 100-year flood plain, sea level rise, and flooding.	N/A	NO
Objective 9.2.4: Evacuation Times. The City shall cooperate with Brevard County to ensure evacuation times are maintained or reduced and to ensure efficient evacuation of threatened residents to areas of safety in the event of a natural disaster.	N/A	NO
Policy 9.2.4.1: In the event of a hurricane emergency the City will respond to the direction of the Brevard County Office of Emergency Management in the implementation of emergency plans. Coordinated emergency activities will include, but are not limited to warning, public information, communications, evacuation, public shelters and related welfare services.	N/A	NO
Policy 9.2.4.2: The City will continue to require that development and redevelopment activities minimize the risks to life and property from natural disasters by evaluating the effects on evacuation times within the hurricane vulnerability zones.	N/A	NO
Policy 9.2.4.3: The City shall generally discourage any increase in density within the Coastal High Hazard Area.	N/A	NO
Objective 9.2.5: Post-Disaster Redevelopment Plan. The City shall develop a post-disaster redevelopment plan (PDRP) to establish,	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
at minimum, long-term policies regarding redevelopment, infrastructure, densities, nonconforming uses, and future land use patterns.		
Policy 9.2.5.1: The City shall develop a City specific post-disaster redevelopment plan by 2024.	N/A	NO
Policy 9.2.5.2: Appropriate redevelopment activities in the Coastal Planning Area will be conducted through means which will institute appropriate resilience planning for private property in coordination with goals, objectives and policies consistent with the comprehensive plan, mitigate conditions hazardous to life and property; identify, preserve, and improve historic resources and significant historic structures, sites, neighborhoods, and districts; preserve and improve natural resources; encourage recreational opportunities; and encourage appropriate commercial uses as physically and financially feasible when considering increasing levels of flooding, storm surge and the effects of sea level rise.	N/A	NO
Policy 9.2.5.3: Guidelines for post-disaster redevelopment and hazard mitigation will continue to be developed and included in the City's land development regulations. These guidelines will be designed to reduce or eliminate the exposure of human life and limit repeat damage to public and private property due to hurricane hazards, account for the future impacts of sea level rise, and to promote the long-term economic and fiscal viability of the City. The guidelines will incorporate Brevard County's Local Mitigation Strategies into recommendations on hazard mitigation and other applicable interagency reports, as well as applicable chapters of the City Code or articles thereof.	N/A	NO
Policy 9.2.5.4: Post-disaster redevelopment will be coordinated jointly by the Community Development, Public Works, and Code Enforcement departments and, if applicable, with the Federal Emergency Management Agency. Priority will be given to those post-disaster tasks needed to protect the health and safety of the public, restore public services and repair damaged infrastructure	N/A	NO
Policy 9.2.5.5: The City shall prepare inventories of properties for acquisition and removal, including repetitive loss properties and establish clear priorities for the use of acquisition resources.	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
Policy 9.2.5.6: The City shall continue to participate in the National Flood Insurance Program Community Rating System administered by the Federal Emergency Management Agency to achieve flood insurance premium discounts for their residents.	N/A	NO
Policy 9.2.5.7: Procedures for post-disaster action shall include a system for distinguishing between immediate repair and clean-up actions needed to protect the public health and safety, versus long-term repair and redevelopment activities.	N/A	NO
Policy 9.2.5.8: The City requires that any structure, including those abandoned, sustaining damage in excess of 50% of the building's assessed value comply with all City ordinances and current standards.	N/A	NO
Policy 9.2.5.9: Recommendations provided by local agencies and in interagency hazard mitigation reports will be reviewed as available and will be implemented as feasible	N/A	NO
Policy 9.2.5.10: Temporary-building moratoriums may be declared in the coastal planning area when 50% or more of the structures have been damaged by 50% or greater to assess the impacts and feasibility of redevelopment.	N/A	NO
Objective 9.2.6: Disaster Preparedness for Entities Critical to Redevelopment. The City shall develop and implement pre-and-post disaster preparedness measures critical for redevelopment	N/A	NO
Policy 9.2.6.1: The City shall work with local businesses and organizations to aid in disaster planning and recovery through the development of Continuity of Operations Plans and other preparedness strategies including employee coordination	N/A	NO
Policy 9.2.6.2: The City shall work with local merchant associations to provide an information program about hurricane preparedness for local businesses.	N/A	NO
Policy 9.2.6.3: As part of outreach, education and other preparedness activities, the City shall assess the development of a program to work with local businesses to certify them as hurricane prepared which will help the community recover more quickly following a storm	N/A	NO
Objective 9.2.7: Historically and Archaeologically Significant Resources. The City shall protect and preserve architecturally, historically and archaeologically significant resources in the City's	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
coastal planning area through the adoption of the land development regulations, zoning code provisions, a program for public and private site acquisition, within the City's funding capabilities and with the owner's consent, and sensitive reuse of historic resources.		
Policy 9.2.7.1: The City shall protect historical and archaeological resources in the CPA, as physically and financially feasible, while considering future impacts, long-term strategies, and cost-benefit of the protection or adaptation measures.	N/A	NO
Policy 9.2.7.2: The City shall compile a list of all properties which have been designated as historically, architecturally or archaeologically significant on a local, state or national basis within the coastal planning area	N/A	NO
Policy 9.2.7.3: The City shall discourage development activities that have the potential of endangering historic resources located within the coastal planning area	N/A	NO
Policy 9.2.7.4: The City will encourage the retention of all historic properties in the City, with sensitive, adaptive reuse being examined as an alternative to demolition. Rehabilitation, restoration, relocation, mitigation, and reuse plans and designs will be guided by the recommended approaches identified in objective criteria published by governmental agencies, preservation organizations and which the City may adopt from time to time.	N/A	NO
Policy 9.2.7.5: The City will encourage individuals, groups and organizations to submit reliable information about the history or architectural historical significance of individual properties in the City as an aid in the documentation of their significance	N/A	NO
Policy 9.2.7.6: The City will prepare an information document containing an identification of historic resources in the City, to include address, map location, brief notation of historical significance, landmark status, ownership (Public/Private), vulnerabilities and other relevant information for public information purposes. The City will seek state funds for the preparation of the document.	N/A	NO
Policy 9.2.7.7: The City will participate, within its financial resources, with other governmental agencies, civic organizations, business	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
groups and interested persons to purchase historic resources with the owner's consent and to accept responsibility for restoration in support with the property owner, in an "adopt-a-house" or similar program for the purpose of maintaining historic properties in good repair, form and appearance, and for functional uses		
Objective 9.2.8: Infrastructure in the Coastal Planning Area. Level of service standards and service areas for the City as a whole, as adopted in the Capital Improvements Element, may apply to the infrastructure within the coastal planning area but with the need to consider long-term implications of increased hazards due to sea level rise and flooding and balances design considerations for the current and future impacts of sea level rise and flooding with the benefits and challenges of incorporating the impacts and maintenance during the service-life utility of infrastructure.	N/A	NO
Policy 9.2.8.1: Phasing of infrastructure will occur according to the Capital Improvements Element and in accordance with development regulations adopted subsequent to this plan with specific consideration given to protection of coastal resources.	N/A	NO
Policy 9.2.8.2: The level of service standards adopted in other elements of this Comprehensive Plan may apply within the coastal planning area depending on evaluation of factors such as cost-benefit analysis that considers, among other factors, number of times infrastructure has been damaged, upgraded, or rebuilt; number of people served by the infrastructure; whether alternatives for the services provided by the infrastructure are present; criticality of the infrastructure for protection of safety; potential increased hazards to first responders; etc.	N/A	NO
Policy 9.2.8.3: Consideration shall be given to alternative locations of infrastructure, hardening, elevating or other strategies if located in the coastal planning area to reduce potential public losses	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
Policy 9.2.8.4: Infrastructure and roadway improvements within already developed public rights-of-way will be maintained as	N/A	NO

2020-2030 Comprehensive Plan Coastal Element	Analysis/Recommendations	State Required Changes
determined feasible and reasonable by City policy in good-faith attempts		
Policy 9.2.8.5: When constructing or reconstructing utilities or infrastructure, the City shall assess vulnerabilities and resilience to sea level rise, flooding and storm surge, and identify cost-effective strategies to minimize exposure and reduce impacts.	N/A	NO
Policy 9.2.8.6: The City shall prioritize the use of Green Street techniques (reference Policy 9.2.2.2 (1)) within the Stormwater Master Plan, on public rights-of-way, to the extent financially and physically possible, to alleviate flood impacts to streets and buildings and maintain its level of service standards	N/A	NO

X: Recreation & Open Space Element Review

2020-2030 Comprehensive Plan Recreation & Open Space Element	Analysis/Recommendations	State Required Changes
GOAL 10.1: Recreational Provisions. To ensure that Cocoa residents have access to a full range of recreational opportunities.	N/A	NO
Objective 10.1.1: The City will coordinate resources with Brevard County Parks and Recreation, the Brevard County School Board, and private resources, to meet the projected demand for parks, recreational facility and open space needs for the residents of Cocoa	N/A	NO
Policy 10.1.1.1: Continue the inter-governmental coordination involved in the established Brevard County Parks and Recreation District 4	N/A	NO
Policy 10.1.1.2: Continue to work with the School Board through the District 4 Parks and Recreation Office to expand the use and availability of School facilities to the citizens of Cocoa.	N/A	NO
Policy 10.1.1.3: The City shall adopt the following Level of Service (LOS) for recreation needs: (Table in Comp) Neighborhood Parks, Community Parks, and Urban District Parks 1.25 acres per 1000 population	N/A	NO

2020-2030 Comprehensive Plan Recreation & Open Space Element	Analysis/Recommendations	State Required Changes
Policy 10.1.1.4: The City shall periodically update its inventory of all recreational facilities in order to compare the level of maintenance and quality of those facilities with surrounding communities.	N/A	NO
Policy 10.1.1.5: The City shall ensure the provision of a range of different types of facilities for passive outdoor recreational activities including nature trails or boardwalks, waterway trails, interpretive displays, educational programs, and/or wildlife observation areas.	N/A	NO
Policy 10.1.1.6: The City will continue to coordinate with local service organizations annually to encourage participation in landscaping, supporting, and establishing recreational facility development	N/A	NO
Policy 10.1.1.7: The City will continue to work with Brevard County Parks and Recreation District 4 to achieve multiple community benefits during the development of parks and recreational areas	N/A	NO
Policy 10.1.1.8: The City will ensure that all recreational facilities are well maintained and redeveloped as needed	N/A	NO
Policy 10.1.1.9: The City will consider the creation of a Recreation Zoning District in the land development code	N/A	NO
Objective 10.1.2: The City shall provide accessibility to the recreational facilities and natural resources of the City for the enjoyment of all users	N/A	NO
Policy 10.1.2.1: The City will continue to work with the Brevard County Parks and Recreation District 4 to ensure the accessibility of recreational facilities for the handicapped, elderly and economically disadvantaged.	N/A	NO
Policy 10.1.2.2: All new development of recreational facilities in the City shall be required to meet the Florida Accessibility Code	N/A	NO
Policy 10.1.2.3: The City will continue to work with the Brevard County Parks and Recreation Department to bring all existing recreation facilities into compliance with the Florida Accessibility Code.	N/A	NO
Policy 10.1.2.4: The City will consider the siting of future Neighborhood Parks based on a walkable distance from residential dwellings to ensure an adequate dispersal of parks throughout the City	N/A	NO

2020-2030 Comprehensive Plan Recreation & Open Space Element	Analysis/Recommendations	State Required Changes
Objective 10.1.3: The City shall provide interconnectivity between recreational facilities and the surrounding community.	N/A	NO
Policy 10.1.3.1: New residential development providing recreational facilities shall be required to provide bicycle and pedestrian connections (such as sidewalks and bike paths), between all forms of recreation and the surrounding community.	N/A	NO
Policy 10.1.3.2: Bicycle parking facilities shall be required at all new parks.	N/A	NO
Policy 10.1.3.3: The City will work with the Brevard County Parks and Recreation Department to ensure that bicycle parking facilities are provided at all existing recreation facilities	N/A	NO
Policy 10.1.3.4: The City will follow the adopted WaterFront Master Plan as a supplemental plan which supports the connectivity objectives of the Comprehensive Plan.	N/A	NO
Policy 10.1.3.5: The City will work to incorporate connectivity wherever feasible between recreational facilities in the City and the existing Brevard County Greenways and Trails Master Plan system.	N/A	NO
Policy 10.1.3.6: The City will consider developing and adopting its own Parks and Recreation Master Plan, as well as a Pedestrian Routes and Bike Trails Master Plan.	N/A	NO
GOAL 10.2: Open Space Provisions. Ensure the conservation of open space areas in the city to provide aesthetically pleasing buffer areas and visual open space, to serve as wildlife habitats, to act as groundwater recharge areas, to give definition to the urban area, and to enhance and preserve natural resources.	N/A	NO

2020-2030 Comprehensive Plan Recreation & Open Space Element	Analysis/Recommendations	State Required Changes
Objective 10.2.1: The land development regulations will include provisions for addressing the open space needs of the City.	N/A	NO
Policy 10.2.1.1: The City will develop an ordinance which will define open space and set standards for open space preservation in local land development regulations.	N/A	NO
Policy 10.2.1.2: The City will approve locating environmentally sound public access to conservation areas, nature trails, parks and passive recreational uses within dedicated upland buffers to wetlands in accordance with the policies in the Conservation Element, and only when the City determines that such uses will not adversely affect the buffers' primary functions of wetland buffering, provision of transition zone wildlife habitat, noise buffering, filtration/storage of overland stormwater runoff, visual screening and other applicable benefits. The City will not approve other uses for the buffer zone.	N/A	NO
Policy 10.2.1.3: The City will coordinate with pertinent state and wildlife agencies and other agencies necessary to identify natural area greenways and wildlife corridors and to link existing public parks, and provide similar areas for conservation purposes.	N/A	NO
Policy 10.2.1.4: The City shall provide efforts to coordinate the resources of other public and private natural resource preservation agencies, and will enhance efforts to fiscally support and encourage a program of public land acquisition in conjunction with current land use planning and development regulations and to create a system of natural area greenways and wildlife corridors.	N/A	NO
Policy 10.2.1.5: The City will pursue acquisition of appropriate parcels of land through the Florida Forever Program or other appropriate City/State partnerships for the protection of environmentally sensitive lands, which protect unique, rare and/or endangered habitat, assure survival of listed wildlife species, protect scenic highway and water corridors and their shoreline ecosystems and provide public access and open space.	N/A	NO
Policy 10.2.1.6: Uses allowed in open space and conservation areas within the City shall be limited to those compatible with and which preserve the natural character of the area, such as passive	N/A	NO

2020-2030 Comprehensive Plan Recreation & Open Space Element	Analysis/Recommendations	State Required Changes
recreation, observation areas, hiking/biking and nature trails, canoeing/kayaking, primitive camping and environmental education facilities.		
Policy 10.2.1.7: The City of Cocoa shall pursue a program to identify, ensure preservation of, and provide appropriate public access to areas of natural beauty and scenic importance.	N/A	NO
Policy 10.2.1.8: The City will consider adopting the Department of Environmental Protection's definitions for "Conservation Open Space" and "Urban Open Space" as separate uses from recreation, which will be used to conserve potentially environmentally sensitive lands as well as wetlands and floodways; and will establish appropriate safeguards to ensure the future preservation of such lands in a natural state with minimal man-made impact.	N/A	NO

XI: Public Schools Facilities Element Review

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
GOAL 11.1: The City of Cocoa will ensure, through effective planning and coordination with the School District, that adequate school capacity is available to accommodate enrollment demand for City residents	N/A	NO
Objective 11.1.1: The City shall ensure adequate public school facilities are available in the City of Cocoa by adopting and implementing a school concurrency management system to address both short and long term planning needs.	N/A	NO
Policy 11.1.1.1: The City adopts and shall utilize the following Level of Service (LOS) standards for public schools adopted by the School District. The permanent capacity of a school shall be that number contained in the Florida Inventory of School Houses (FISH) maintained by the Florida Department of Education (FDOE). Currently, the LOS for the School District is 100%.	N/A	NO
Policy 11.1.1.2: When necessary, the School Board shall initiate appropriate program changes, boundary adjustments, and/or	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
additional capacity to prevent the tiered LOS standards from being exceeded.		
Policy 11.1.1.3: Concurrency shall be measured and applied using a geographic area known as a Concurrency Service Area (CSA) which shall coincide with the school attendance boundaries adopted by the School District. Either the City or the School District may propose a change to the CSA boundaries. The following procedures shall be used for modifying the CSA map: A. The School District will transmit proposed CSA map modifications, with supporting data and analysis, to the City, other local governments, and the Capital Outlay Committee (COC). Any proposed change to a CSA shall require a demonstration by the School District that the change complies with the public school LOS standard and that utilization of school capacity is maximized to the greatest extent possible, taking into account transportation costs, court approved desegregation plans and other relevant factors. Adjustment measures to achieve the LOS standard shall include school boundary adjustments, shifts to contiguous CSA's with available capacity, proportionate share mitigation (land donation or payment), or construction of a traditional or charter school or permanent expansions. B. The City and the COC will review the proposed modification of the CSA and send their comments to the School District within 45 days of receipt of the proposed change. C. The modification of a CSA shall be effective upon adoption by the School Board.	N/A	NO
Policy 11.1.1.4: For purposes of determining a proposed development's impact, the total number of students expected to be generated by the development, the projected number and type of residential units of the proposed development shall be multiplied by the School District Student Generation Multiplier (SGM). The SGM shall be reviewed annually and amended as necessary to reflect the most recent districtwide generation rates.	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
Policy 11.1.1.5: The City shall participate with the School District, utilizing the following process, in considering and processing changes in the use of schools: A. Following a determination by the School District that a school change is appropriate, considering the appropriate use of the school and utilization requirements, the School District shall transmit the proposed school use change and the associated data and analysis in support of the requested change to the Capital Outlay Committee and Staff Working Group. B. The Capital Outlay Committee and Staff Working Group shall review the proposed changes to the school use, along with the supporting data and analysis, and send their comments to the School District within forty five (45) days of receipt. C. The change in school use shall become effective upon final approval by the School Board.	N/A	NO
Objective 11.1.2: The City shall ensure adequate public school capacity exists to accommodate new students generated by residential development. The City shall forward all applications for a residential development permit to the School District for a school concurrency evaluation and determination.	N/A	NO
Policy 11.1.2.1: The City shall adopt necessary and appropriate provisions into its Land Development Regulations (LDR) to implement school concurrency management as contemplated in the Interlocal Agreement with the Brevard County School District and consistent with the objectives and policies of its Public Schools Facilities Element.	N/A	NO
Policy 11.1.2.2: The City shall not approve any non-exempt residential development application for a new residential preliminary subdivision, site plan or functional equivalent until the School District School has issued a School Capacity Availability Determination Letter (SCADL) verifying available capacity	N/A	NO
Policy 11.1.2.3: The City shall consider the following criteria to exempt residential uses from the requirements of school concurrency:	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
A. Single family lots of record existing prior to the commencement date of the School Concurrency Program. B. Any new residential development that has preliminary subdivision or site plan approval or the functional equivalent for a site-specific development order prior to the commencement date of the School Concurrency Program. C. Any amendment to any previously approved residential development that does not increase the number of dwelling units or change the type of dwelling units (single-family to multi-family, etc.). D. Age restricted communities with no permanent residents under the age of 18. Exemption of an age restricted community will be subject to a restrictive covenant limiting the age of permanent residents to 18 years and older. E. The replacement of an existing residential dwelling unit, including those partially or entirely damaged, destroyed or demolished, with a new unit of the same type and use provided that the existing unit has been occupied at some time during the five-year period immediately preceding the construction of the new unit.		
Policy 11.1.2.4: The City, through its land development regulations, and in conjunction with the School District, shall establish a school concurrency review process for all residential projects that are not exempt under Policy 11.1.2.3. The minimum process requirements shall be as follows: A. A residential development application including a School Impact Analysis (SIA) is submitted to the City for review. B. The City determines application is sufficient and complete and transmits the SIA application to the School District for review.	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
C. The School District reviews the SIA application for available capacity and issues a School Capacity Availability Determination Letter (SCADL) to the City consistent with the following: 1. Where capacity is available within the affected CSA, the School District shall issue a SCADL verifying available capacity. 2. Where capacity is not available within the affected CSA, capacity availability in one or more contiguous CSAs shall be reviewed. 3. If capacity is available in one or more of the contiguous CSAs, the School District shall issue a SCADL verifying available capacity in the adjacent CSAs. 4. If capacity is not available in the contiguous CSAs, the School District shall issue a SCADL indicating the development is not in compliance with the adopted LOS and offers the developer a 90-day timeframe in which to negotiate with the City and the School District regarding mitigation options or alternatives.		
Policy 11.1.2.5: New school capacity within a CSA which is in place or under actual construction within three (3) years after the issuance of final subdivision or site plan approval, or the functional equivalent, shall be counted as available capacity for the residential development under review.	N/A	NO
Policy 11.1.2.6: The City, in conjunction with the School District, shall review applications for proportionate share mitigation projects to add school capacity necessary to accommodate the impacts of a proposed residential development. Mitigation options may include, but are not limited to: A. Contribution of land or payment for land acquisition in conjunction with the provision of additional school capacity; or B. Mitigation banking based on the construction of a public school facility in exchange for the right to sell capacity credits; or C. Donation of buildings for use as a primary or alternative learning facility; or	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
D. Renovation of existing buildings for use as learning facilities; or E. Construction or expansion of permanent student stations or core capacity; or F. Construction of a public school facility in advance of the time set forth in the School District's Five-Year District Facilities Work Program.		
Policy 11.1.2.7: The estimated cost to construct the mitigating improvement(s), consistent with the mitigation options listed in Policy 11.1.2.4, shall be calculated to reflect, and consider, the estimated future construction costs at the time of the anticipated construction. A. Improvements contributed by the developer shall receive school impact fee credit. B. The cost difference between the developer's mitigation costs and the impact fee credit, if greater, shall be the responsibility of the developer.	N/A	NO
Policy 11.1.2.8: Consistent with Policy 11.1.2.4.C.4, the City and the School District shall provide a 90-day negotiation period to allow for the review and negotiation of proportionate share mitigation proposals offered by a developer. A. Where mitigation is approved, the City and the School District shall enter into a binding and enforceable agreement with the developer, the improvement(s) will be included in the School District's annually adopted Five-Year District Facilities Work Program, and the improvement(s) will be reflected in the next update to the Capital Improvements Element. B. Where mitigation is denied, the City must deny the application for residential based upon insufficient school capacity being available.	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
C. The City shall not issue any permit(s) for a residential development until receiving confirmation of available school capacity in the form of a SCADL from the School District.		
Policy 11.1.2.9: The City shall notify the School District when an approved residential development has paid impact fees and when the development order for the residential development expires.	N/A	NO
Policy 11.1.2.10: The City may allow a landowner to proceed with development of a specific parcel of land notwithstanding a failure of the development to satisfy school concurrency, if all the following factors are shown to exist: A. The proposed development would be consistent with the future land use designation for the specific property and with pertinent portions of the City of Cocoa Comprehensive Plan. B. The CIE and the Brevard School Board's Work Plan provide for school facilities adequate to serve the proposed development or the project includes a plan that demonstrates that the capital facilities needed as a result of the project can be reasonably provided. C. The landowner is assessed a proportionate share of the cost of providing the school facilities necessary to serve the proposed development.	N/A	NO
Objective 11.1.3: Beginning with an effective date of 2009 and no later than December 1st of each year thereafter, the City will include in its Capital Improvements Element (CIE), the School District's annually updated five-year schedule of capital improvements as adopted by the School Board, which identifies school facility capacity projects necessary to address existing deficiencies and meet future needs based upon achieving and maintaining the adopted level of service standard for schools.	N/A	NO
Policy 11.1.3.1: The City of Cocoa hereby adopts by reference the School District's Five-Year District Facilities Work Program for the planning period 2018-2019 through 2022-2023, approved on October 23, 2018	N/A	NO
Policy 11.1.3.2: The City shall annually update the Capital Improvements Element to incorporate the School District's	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
annually adopted Five-Year District Facilities Work Program's "Summary of Capital Improvements Program" and "Summary of Estimated Revenue" Tables which shall identify school facility capacity projects which are necessary to address existing deficiencies and meet future needs and demonstrate the School District can maintain the adopted LOS standard for the five-year planning period, as supported by data and analysis.		
Policy 11.1.3.3: The City shall, in conjunction with the School District, other local governments and through the Capital Outlay Committee, review school enrollment projections and provide an annual update of the process, including the Public School Facilities Element and maintain a public school facilities map series which are coordinated with the City's Future Land Use Map or Map Series, including the planned general location of schools and ancillary facilities for the five-year planning period and the long-range planning period. At a minimum, the Map Series shall include: A. Concurrency Service Area Map; B. Existing Public School Facilities Map - type and location of ancillary plants; C. Five-Year Planning Period Map - generally planned public school facilities and ancillary plants; and D. Long Range Planning Period Map – generally planned areas of future public school facility needs.	N/A	NO
Objective 11.1.4: The City shall participate with the School District, through its membership on the Capital Outlay Committee (COC), to monitor the implementation and administration of school concurrency as well as to further coordinate planning and school concurrency issues.	N/A	NO
GOAL 11.2: The City, working cooperatively with the School District, shall ensure new public schools are appropriately located and integrated into the community where they provide the greatest maximum benefit to the residents of the City and are valued as a vital community resource and amenity	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
Objective 11.2.1: New public schools built within the City will be coordinated with the School District to ensure consistency and conformity with the City's adopted Comprehensive Plan and its implementing land development regulations except where exempted by statutory authority, such as local landscape ordinance requirements	N/A	NO
Policy 11.2.1.1: The School District shall avoid locating new public schools on the periphery of the City's boundaries or in areas that would encourage urban sprawl.	N/A	NO
Policy 11.2.1.2: The City shall review construction and/or site plans in a timely manner and provide comments to the School District as to the consistency with the City's adopted comprehensive plan and implementing land development regulations.	N/A	NO
Objective 11.2.2: New public schools built within the City will be coordinated with the School District to ensure that proposed school facilities are located proximate to existing and proposed residentially developing areas, within appropriate existing and future land uses; serve as community focal points; are co-located with other appropriate public facilities; will have needed supporting public facilities and services; and be compatible with surrounding land uses	N/A	NO
Policy 11.2.2.1: The City, in conjunction with the School District, shall jointly determine the need for, and timing of, on-site and off-site improvements necessary to support a new school.	N/A	NO
Policy 11.2.2.2: The City shall enter into an agreement with the School Board identifying the timing, location, and the party or parties responsible for the planning, constructing, operating, and maintaining off-site improvements necessary to support a new school or school improvement to ensure that the necessary infrastructure is in place prior to or concurrent with construction	N/A	NO
Policy 11.2.2.3: The City shall encourage the location of schools near residential areas by: A. Assisting the School District in the identification of funding and/or construction opportunities (including developer participation or City capital budget expenditures) for sidewalks,	N/A	NO

2020-2030 Comprehensive Plan Public Schools Facilities Element	Analysis/Recommendations	State Required Changes
traffic signalization, access, water, sewer, drainage nd other infrastructure improvements. B. Reviewing and providing comments on all new school sites including the compatibility and integration of new schools with surrounding land uses. C. Allowing schools within all residential land use categories.		
Policy 11.2.2.4: The City, in conjunction with the School District, shall seek opportunities to co-locate schools with public facilities, such as parks, libraries, and community centers, as the need for these facilities is identified.	N/A	NO
Policy 11.2.2.5: The City, in conjunction with the School District, shall identify issues relating to public school emergency preparedness, such as: A. The determination of evacuation zones, evacuation routes, and shelter locations. B. The design and use of public schools as emergency shelters. C. The designation of sites other than public schools as longterm shelters, to allow schools to resume normal operations following emergency events	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
GOAL 12.1: Conserve, protect and appropriately manage the natural resources and environmentally sensitive areas of the City of Cocoa to ensure the highest environmental quality possible.	N/A	NO
Objective 12.1.1: Environmentally Sensitive Areas. At a minimum, Environmentally Sensitive Areas shall contain one or more of the following natural resources: A. Rare, threatened or endangered wildlife and/or vegetation, e.g., wildlife (scrub jay, osprey, manatee); vegetation (American chaffseed). A complete list is defined by the U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission and the East Central Florida Regional Planning Council; B. Rare and unique upland habitat or Florida Natural Areas Inventory (FNAI) “imperiled” or “critically imperiled” communities, e.g., sand pine scrub; C. Wetlands or deepwater habitats; D. Special geologic formations; E. Artifacts of archaeological or historic significance; F. Within floodways and areas subject to flooding.	N/A	NO
Policy 12.1.1.1: The City shall coordinate with appropriate governmental entities to protect environmentally sensitive lands which extend into adjacent municipalities. This coordination shall include the Florida Natural Areas Inventory, East Central Florida Regional Planning Council (ECFRPC), the Florida Fish and Wildlife Conservation Commission, St. John’s River Water Management District (SJRWMD) and based on the information generated from the data.	N/A	NO
Objective 12.1.2: Air Quality. Air quality in the City of Cocoa shall meet or exceed the minimum criteria set by the Florida Department of Environmental Protection (FDEP).	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.2.1: Roadway segments and intersections under the city's jurisdiction which are predicted to approach or exceed FDEP allowable maximum c	N/A	NO
Policy 12.1.2.2: The City shall coordinate with the County, adjacent municipalities and the Florida Department of Transportation in the monitoring of transportation related air quality impacts, and the planning of improvements needed on regionally significant roadways to rectify observed or predicted air quality problems on those roads.	N/A	NO
Policy 12.1.2.3: New development, whether public or private, shall be designed to accommodate and encourage alternative modes of transportation to the maximum extent practical. Appropriate measures may include, but are not limited to construction of bicycle facilities along new roadways; construction of pedestrian sidewalks along roads and within developments; provision of passenger shelters for users of mass transit.	N/A	NO
Policy 12.1.2.4: The City shall encourage the establishment and use of mass transit transportation alternatives wherever such alternatives cannot be shown to be infeasible or impractical.	N/A	NO
Policy 12.1.2.5: In order to reduce peak traffic loads on roadways that contribute to air quality degradation, the City shall encourage government and private sector businesses to adopt alternative work schedules where they are practical.	N/A	NO
Policy 12.1.2.6: The City shall ensure, through the development approval and monitoring process, that new facilities which are subject to permitting as major air pollution sources by the FDEP are designed to use and maintain the best available emission control technology in order to reduce adverse impacts from such facilities on the environment.	N/A	NO
Policy 12.1.2.7: The City shall promote planned unit development and mixed-use development to reduce the potential for mobile source emissions.	N/A	NO
Objective 12.1.3: Groundwater. The City shall continue to reduce per capita consumption of fresh groundwater by its residents through conservation and reuse of existing water supplies, and through the establishment and use of non-potable supplies	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.3.1: The City shall regulate the design, installation and operation of air/water heat pumps in a manner consistent with County policy, in order to reduce the wasteful use of groundwater by such systems	N/A	NO
Policy 12.1.3.2: The City shall require the use of reclaimed wastewater for irrigation or other non-potable uses wherever such water is reasonably available to water users	N/A	NO
Policy 12.1.3.3: In order to reduce the amount of water used in the irrigation of landscaping, the City shall encourage the use of native or drought resistant plants in the landscaping of new development or redevelopment.	N/A	NO
Policy 12.1.3.4: The City shall continue to encourage conservation of water by supporting the retrofit of low-volume plumbing fixtures in existing development, and by requiring the use of such fixtures in new development and re-development.	N/A	NO
Policy 12.1.3.5: New development shall not be approved unless a demonstrably secure source of potable and/or non-potable water is available to meet the projected water use demands of the development.	N/A	NO
Policy 12.1.3.6: The City shall assist the St. Johns River Water Management District (SJRWMD) in the enforcement of the provisions of emergency water shortage plans at those times when an official emergency water shortage declaration is made by the SJRWMD Governing Board.	N/A	NO
Policy 12.1.3.7: The City shall encourage, and to the extent possible, require use of Florida friendly yard or landscape (as provided for in Section 373.185, F.S.) that incorporates the Best Management Practices and philosophies described in "A Guide to Florida-Friendly Landscaping", Third Edition, 2006, as may subsequently be amended.	N/A	NO
Policy 12.1.3.8: The City Code will require all new development and substantial redevelopment to connect to the reclaimed water system, if available. If not available, but availability is planned within five years, require installation of dry lines for future connection to the reclaim system.	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.3.9: The City shall disseminate water conservation information to the public consistent with the adopted City of Cocoa Water Supply Facilities Work Plan	N/A	NO
Policy 12.1.3.10: The City shall implement water conservation practices consistent with the adopted City of Cocoa Water Supply Facilities Work Plan.	N/A	NO
Policy 12.1.3.11: The City shall continue to coordinate with water supply recipients concerning the sharing of information to meet the on-going water supply needs.	N/A	NO
Objective 12.1.4: Water Quality Protection. Surface and groundwater quality in the City of Cocoa shall meet or exceed the minimum criteria set by the Florida Department of Environmental Protection	N/A	NO
Policy 12.1.4.1: The City shall establish site design standards and regulations for the control of stormwater runoff to ensure the adequate treatment of stormwater from all new development or re-development prior to its discharge to surface waters, consistent with the policies contained in the Stormwater Management Element and the Surface Water Management Plan.	N/A	NO
Policy 12.1.4.2: The City shall identify means for reducing the volume of untreated stormwater discharged to surface waters, as part of the Surface Water Management Plan, with emphasis also being placed on the treatment of stormwater being discharged from lands and storm sewer systems in the City. The Surface Water Management Plan will identify priorities among drainage areas for providing treatment for stormwater.	N/A	NO
Policy 12.1.4.3: The City shall ensure that land uses which require the routine application of pesticides or herbicides (e.g., agriculture, golf courses) maintain a groundwater monitoring program designed to detect and eliminate contamination of the surficial aquifer by those substances. Upon detection of contamination, the City shall require the contaminator to discontinue the contamination and to take corrective action where feasible	N/A	NO
Policy 12.1.4.4: In order to protect the groundwater from contamination by hazardous wastes or materials, the City shall require that industrial parks which include tenants who use hazardous materials or generate hazardous wastes: (a) prepare	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
hazardous materials spill containment and clean-up plans; (b) design drainage and sewer facilities to prevent contamination of soils, groundwater or surface waters from hazardous materials spills; and (c) provide interim storage facilities for hazardous materials generated on-site.		
Policy 12.1.4.5: In order to reduce the potential for salt-water intrusion, the City shall require the use of native or drought-resistant plants, as appropriate, in the landscaping of new development or re-development.	N/A	NO
Policy 12.1.4.6: The City shall monitor and restrict, if necessary, activities and land uses known to adversely affect the quality of identified water resources.	N/A	NO
Objective 12.1.5: Endangered & Threatened Species. The distribution and abundance of endangered and threatened species within the City will be identified, and the habitat of viable populations of any such species shall be protected and managed, or the impacts to such habitat shall be adequately mitigated, so as to ensure their continued existence.	N/A	NO
Policy 12.1.5.1: The City shall sponsor a biological survey of natural habitats within municipal limits to identify areas of suitable habitat for listed species, and to estimate population size and viability for those species which do occur.	N/A	NO
Policy 12.1.5.2: Areas known to support a viable population of a listed species, or which provide habitat of a size and character that is suitable for long term protection of a listed species, shall be given priority in the acquisition of public parks or preserves. Any such park shall be managed in a manner consistent with preservation of the listed species and its habitat.	N/A	NO
Policy 12.1.5.3: The City shall seek the cooperation of government and private conservation agencies in the preservation of lands which harbor a viable population of one or more listed species and their habitat.	N/A	NO
Policy 12.1.5.4: Development approval in areas which have been identified as providing habitat of a size and character that is suitable for long term protection of a viable population of one or more listed species shall be contingent upon the formulation of a management plan which would to the greatest extent possible	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
eliminate adverse effects to any listed species which occur or are discovered on the development site.		
Policy 12.1.5.5: The City shall consult with the FGFWFC and/or the FDEP in the review of listed species management plans prepared by private developers, and shall implement the recommendations of those agencies in the issuance of development orders.	N/A	NO
Policy 12.1.5.6: The City shall discourage development within a habitat area dedicated to the public through a conservation easement.	N/A	NO
Policy 12.1.5.7: With the exception of areas designated as handicap parking, any area identified for parking shall be stabilized using some type of pervious stabilizer, such as grass pavers, and the area shall be finished to look natural.	N/A	NO
Policy 12.1.5.8: The City shall protect listed animal species and/or native habitat listed species in accordance with the Florida Fish and Wildlife Conservation Commission.	N/A	NO
Objective 12.1.6: Hydrology, Vegetation, and Wildlife. Protect and conserve soils and native vegetation communities, and maintain the natural functions of the City's ecological zones in a manner consistent with the Goals, Objectives and Policies of the Future Land Use Element	N/A	NO
Policy 12.1.6.1: The City shall sponsor a biological survey of native vegetative communities within municipal limits to inventory the listed wildlife species that occur as permanent residents.	N/A	NO
Policy 12.1.6.2: The City shall preserve natural communities in the siting, design, development and maintenance of public parks. Wherever possible, existing natural plant communities should be maintained undisturbed as a part of new parks developments except for relatively minor alterations, such as nature trails or boardwalks, which do not alter the wildlife habitat values of the system	N/A	NO
Policy 12.1.6.3: Areas of natural habitat within the 100-year floodplain shall be given priority consideration in the identification of lands that address passive recreational demand and open space objectives, except in those instances where a proposed development is determined by the City to be consistent with the Goals, Objectives and Policies of the Future Land Use Element.	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.6.4: In order to reduce the adverse consequences of floodplain development and simultaneously encourage the conservation of natural habitat, the City's Flood Damage Prevention ordinance shall be amended to discourage construction in the floodplain, unless the proposed construction is expressly authorized by this Comprehensive Plan. Development plans shall preserve the natural functions of floodplains when practical. Compensatory storage for fill placed within the floodplain shall be allowed only when the applicant demonstrated the absence of adverse consequences of compensatory storage and demonstrates compliance with other applicable provisions of this Comprehensive Plan.	N/A	NO
Policy 12.1.6.5: The City shall encourage the protection of critical natural vegetative communities and wildlife habitat by public purchase programs and by private property owners through donations, transfers of development rights, purchase of development rights, conservation easements or other appropriate mechanisms.	N/A	NO
Policy 12.1.6.6: The City shall protect species which are listed as Endangered, Threatened or a Species of Special Concern by the Florida Fish and Wildlife Conservation Commission, the U.S. Fish and Wildlife Service or the Florida Committee on Rare and Endangered Plants and Animals (FCREPA) and shall not approve any development which proposes to destroy natural vegetative communities known to provide habitat to listed species except where the developer has submitted a management plan which minimizes adverse affects on the species to the greatest extent possible. The management plan shall be approved by St. John’s River Water Management District.	N/A	NO
Policy 12.1.6.7: The City shall not approve any development except as provided in the Goals, Objectives and Policies of the Future Land Use Element that would adversely alter the ecological functions of freshwater wetlands or deepwater habitat. Ecological functions include: (a) provision of wildlife and fisheries habitat; (b) maintenance of instream flows and lake levels during periods of high and/or low rainfall; (c) erosion control; (d) water quality enhancement; and (e) natural vegetative communities	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.6.8: The City shall require that the following non-native plant species be removed from the limits of construction and required buffer areas from all sites which are developed or re-developed: Causarina cunninghamiana (beefwood), Causarina qlauca (scaly-bark beefwood), Causarina equisetifolia (Australian pine), Dioscorea blulbifera (air potato), Malateuca quinquenervia (punk tree), Rincinus communis (castor bean), Sansevieria hyacinthoides (African bowstring), Schinus terebinthifolius (Brazilian pepper), Broussonetia papyrifera (male mulberry), Enterolobium contortisiliquum (ear tree), Eucalyptus spp. (eucalyptus tree), Melaleuca quinquenervia (punk tree), Melia azedarach (chinaberry), Prunus caroliniana (cherry laurel), Auracaria wrightii (monkey puzzle), Grevillea robusta (silk oak tree), Albizia spp. (mimosa, woman's tongue), Prunus serotina (wild cherry), Sapium sebiferum (Chinese tallow), Leucaena leucocephala (lead tree), Dalbergia sissoo (rosewood), Acacia auriculiformis (earleaf acacia), Eugenia uniflora (Surinam cherry), Cupaniopsis anacardiodes (carrotwood), and Koelreuteria paniculata (golden rain tree). No listed exotic species shall be used for planting purposes adjacent to protected lands.	N/A	NO
Policy 12.1.6.9: The City shall not approve any development that is inconsistent with the requirements of applicable natural resource Goals, Objectives and Policies contained elsewhere in this Plan.	N/A	NO
Policy 12.1.6.10: The City shall promote the use of native vegetation as specified in its ordinance for all development	N/A	NO
Policy 12.1.6.11: The City shall protect rare, unique, or significant-natural habitats within the City	N/A	NO
Policy 12.1.6.12: The City shall protect the habitat of gopher tortoises, gopher frogs, eastern indigo snakes, eagles, ospreys, alligators, pileated woodpeckers, manatees and river otters	N/A	NO
Policy 12.1.6.13: The City shall consider the abundance, status, and distribution of endangered ecosystems and other environmentally sensitive lands when reviewing land use proposals and acquisitions such as: A. Management plans which protect endangered wildlife which utilize critical habitats;	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
B. Mitigation plans for critical habitat which is unavoidably altered; and, C. Restrictions of the use of critical habitats to those which are found to be compatible with the requirements of wildlife species which are threatened, endangered, or of special concern.		
Policy 12.1.6.14: The City shall participate with the St. John's River Water Management District, the county, and other appropriate agencies to re-establish the historic hydrologic connections at the Cocoa Conservation Area and borrow pits within the county	N/A	NO
Policy 12.1.6.15: Wetlands and wetland functions shall be protected and conserved by restricting direct and indirect development impacts. A. General. 1. The City shall avoid, or when unavoidable, minimize development impacts on wetlands; direct incompatible land uses away from wetlands; require wetland buffers; allow wetland losses only where all reasonable measures have been applied to avoid such losses; and allow for effective mitigation. 2. Land use planning and site design shall support development patterns that minimize the impact of development on wetlands. 3. The City shall maintain a Generalized Wetlands Map as part of the Comprehensive Plan. This map shall be based on the U.S. Fish and Wildlife Service, National Wetlands Inventory. B. Existing development. Existing uses in wetlands may continue, but shall not expand unless they are allowed, permitted, or exempted by the SJRWMD and this policy. C. New development and redevelopment with no significant impact. New development and redevelopment having no significant impact on the net wetland functions shall be permitted. They include only the following:	N/A	NO

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1. Water dependent uses. An activity which can only be conducted on, in, over, or adjacent to water areas because the activity requires direct access to the water body or sovereign submerged lands for transportation, recreation, energy production or transmission, or source of water, and where the use of the water or sovereign submerged lands is an integral part of the activity. 2. Passive recreation. Walking nature trails or elevated wooden boardwalks designed to minimize wetland system disturbance and to provide limited access for passive recreation or access to other portions of the site or adjacent waters, which are otherwise inaccessible. 3. Insect control structures. 4. Utilities installation. Temporary impacts associated with the installation of cables, conduits, and pipelines that transmit electricity, communication signals, potable water, raw water, reclaimed water, domestic wastewater, propane gas, natural gas, or similar infrastructure. 5. Rights-of-way and easements. Minor activities by FDOT, the City, and Brevard County within existing rightsof-way or easements. 6. F.A.C. exemptions. Exemptions listed in the rules of the SJRWMD. 7. Environmental restoration, enhancement, and research uses. 8. Dredging and filling. Uses that require the dredging and filling of less than one-hundred (100) square feet of wetlands D. New development and redevelopment with impact. New development and redevelopment having impact on the net wetland functions shall be permitted only if the activity conforms to City's mitigation requirements listed in this policy and meets at least one of the following criteria:		

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
1. Road crossings. Road crossings which impact wetlands shall be allowed if shown to be in the public interest (e.g. the construction of local, collector or arterial road linkages). When allowed, road crossings shall occur at the narrowest practical point constrained by safe roadway design and shall provide for hydrologic connectivity and aquatic species movement. 2. Access to uplands across wetlands. Access to uplands property may cross wetland areas, provided that: (a) No other access to such property is practical. (b) Such limited access will not adversely affect any of the primary functions of the wetlands to be preserved on-site. (c) The location of and construction methods employed for such access would result in minimal environmental impact of the wetlands to be preserved on-site. 3. Low quality wetlands. If the SJRWMD determines a wetland (or portion thereof) is low quality and has minimal restoration potential, and beneficial restoration or enhancement mitigation of another wetland would be achieved as a result of mitigation permitting development in this low quality wetland (or portion thereof), then the future land use category shall apply. 4. Isolated wetlands for stormwater management systems. As determined by the City, development may incorporate isolated wetlands into storm water management systems, provided the storm water runoff is pretreated before entering the wetland, so that the wetland is used for nutrient and volume attenuation. The City shall encourage designs, which maintain existing natural wetlands community, except where permitting agencies impose conditions favoring a different plant community as more desirable for the purpose of providing habitat, improving water quality, or enhancing other wetland values. 5. Isolated wetlands less than 5 acres with no significant and sustainable wildlife values. The City shall request the comment		

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
and opinion of the SJRWMD or a professional biologist as to whether the wetland of less than 5 acres has significant wildlife values, based on the following factors: (a) The extent the isolated wetland acts in concert with the broader regional landscape to provide both food support and habitat for wildlife; (b) The potential cumulative impacts to isolated wetland wildlife functions at a regional level; (c) Individual wetland features that are important to wildlife; (d) Whether the isolated wetland is used by endangered or threatened species or species of special concern; and (e) The degree to which adjacent existing or planned development will affect the use of the wetland by wildlife. If the biological evaluation determines the isolated wetland of less than 5 acres has significant and sustainable wildlife values, the wetland shall be afforded the same level of protection as all other similar wetlands. However, if the evaluation determines no significant and sustainable wildlife values, then the future land use category of the adjacent uplands of the site shall apply. This does not preclude the application of any regulatory requirements of federal, state, or regional agencies. 6. Non-residential uses. Non-residential uses shall be permitted within wetlands, subject to the following minimum requirements: (a) Clearing or removal of native vegetation shall not exceed ten (10) percent of the wetlands on the site. Exotic vegetation may be removed without regard to this limitation provided, however if the area cleared of exotic vegetation exceeds the applicable ten (10) percent maximum, it is replanted with native wetland vegetation. (b) A restrictive or conservation easement to preserve open space shall be required.		

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(c) Allowable non-residential land uses within the Conservation future land use category shall be limited to those uses allowed in the future land use category of the adjacent uplands of the site. (d) If areas annexed into the City from Brevard County have been designated with a Brevard County commercial or industrial future land use category prior to February 23, 1996, then those properties shall be subject to the wetlands protection policies of the Brevard County Comprehensive Plan Conservation Element as of the effective date of the annexation, and only if all other requirements of Policy 12.1.6.15.D.6 cannot be satisfied.		
E. Upland buffers. 1. General. Upland buffers are considered an integral component of a functioning wetland and shall be afforded the same types and levels of protection as the wetland itself. Upland buffers shall not be developed, cleared, or landscaped that would decrease their effectiveness in supporting wetland functions, and shall not include turfed, landscaped, or impervious surfaces. 2. Minimum width. Where wetlands exist, upland buffers shall be provided at a minimum width of fifteen (15) feet and an average width of twenty-five (25) feet beyond the perimeter of the wetland. 3. Encroachment. Encroachment into upland buffers for the purpose of hydrologic connection of drainage systems and creation of mitigation areas shall be permitted and shall not require additional buffering compensation. 4. Additional requirement. The City may require the extension of upland buffers beyond twenty-five (25) feet if necessary to connect isolated wetlands with other protected wetlands existing within one-hundred (100) feet depending on the existence of listed species and habitat valuation. 5. Average width exception. Uplands buffer widths may be adjusted downward below the required minimum average on a case-by-case basis if the developable portion of existing lots of record as of December 1, 2003 does not have sufficient size or	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
dimensions to allow for a reasonable use of the property based on the designated future land use category. In this instance, the remaining upland buffers shall be enhanced with native species to minimize development impacts and enhance the functioning value of the wetlands buffer area. 6. Passive recreation. The City may approve, as appropriate, minimal use in clearing for nature trails and other passive recreational uses compatible with the purpose of the buffer zone.		
F. Implementation and mitigation. 1. Future land use category assignment. The Conservation Future Land Use category shall be assigned to all wetland areas subject to a Future Land Use Map amendment adopted after December 1, 2003. For the purposes of initially determining appropriate wetland areas the City shall utilize the National Wetlands Inventory. 2. Delineation. In order to properly identify and delineate wetlands prior to development, the City shall rely on the delineation of wetlands and surface waters certified by the SJRWMD. The delineation shall be reproduced on development plans which are submitted for review by the City. For other review purposes which do not specifically permit development (e.g. plan amendments, rezonings, etc.), the extent of on-site wetlands shall be estimated and no delineation is required unless otherwise required by the City. 3. Site and development review. Wetlands existing on a proposed development parcel shall be shown as a part of the development plans submitted to the City for review. Additionally, the development plans shall show the delineation of the upland buffer for portion of a development parcel which does not require a SJRWMD permit. For projects requiring a SJRWMD permit, the City shall require as a condition of development approval that wetland buffers shall be protected and encumbered by a perpetual conservation easement.	N/A	NO

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4. Onsite transfer of density. Development densities/intensities may be transferred out of the undeveloped wetland areas on a one-for-one (1:1) basis to upland portions of a developent site. Offsite transfer of density is prohibited 5. Creation of new lots. New lots shall not be created and/or platted that do not contain sufficient buildable upland areas in order to provide a reasonable use for the lot under the requirements of the Comprehensive Plan. 6. Mitigation. (a) General. The purpose of mitigation is to offset environmental impacts. Mitigation activities approved by a federal, state, or regional agency are supported by the City. However, the issuance of a permit by any other agency, with or without mitigation, shall conform to the requirements the Comprehensive Plan. (b) Location. Mitigation shall be permitted by both City Council and the SJRWMD within the appropriate SJRWMD watershed basin, as determined by SJRWMD and in the following manner: (1) First priority - On-site. (2) Second priority - Within the City limits. (3) Third priority - Within five (5) miles of the City limits. (4) Fourth priority - Within ten (10) miles of the City limits. (5) Fifth priority - Within Brevard County. (6) Sixth priority – Outside of Brevard County.		
Policy 12.1.6.16: The City shall protect existing natural reservations identified in the Recreation and Open Space Element.	N/A	NO
Objective 12.1.7: Fisheries and Estuarine Habitat. The city shall cooperate with and assist St. John's River Water Management District (SJRWMD) and the Department of Environmental Protection (DEP) to continue to protect or restore the aquatic vegetation including, but not limited to, aquatic weed control, restoration or creation of aquatic grass beds or shoreline restoration. In addition, the City will protect the diversity of submerged and emergent aquatic vegetation and fish species as	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
well as the quality of fresh water (estuarine), found in the City's lakes and tributaries associated with St. John's River, and in the Indian River within the zone between the Cocoa shoreline and the Intracoastal Waterway. The protection shall be as great, or greater, than they were in 1988, as determined by SJRWMD and the DEP, using DEP established standards.		
Policy 12.1.7.1: The City shall continue to implement alternative means of wastewater effluent discharge (such as effluent reuse) which will reduce the volume of wastewater discharged to the Indian River Lagoon	N/A	NO
Policy 12.1.7.2: The City shall establish site design standards and regulations for the control of stormwater runoff to ensure the reduction of, and the adequate treatment of stormwater runoff from all new development or re-development prior to its discharge to surface waters.	N/A	NO
Policy 12.1.7.3: The City through the Surface Water Management Plan shall reduce the volume of untreated stormwater discharged to surface waters, and shall develop a program to take corrective action.	N/A	NO
Policy 12.1.7.4: The City shall not permit shoreline development activities that would destroy or degrade the function of estuarine shoreline or deepwater habitat. The applicant shall demonstrate how any potential adverse impact shall be reduced or avoided.	N/A	NO
Policy 12.1.7.5: Areas within the Indian River Lagoon and the tributaries to St. John's River basin, lands acquired by City for passive recreation with littoral zones shall be designated as conservation.	N/A	NO
Policy 12.1.7.6: The City supports the objectives of the Indian River Lagoon Comprehensive Conservation and Management Plan 2008 update.	N/A	NO
Objective 12.1.8: Hazardous Waste and Materials. The City shall coordinate with Brevard County to establish procedures and regulations which support State and County hazardous material management objectives, and which will reduce the number of sites at which improper use, storage or disposal of hazardous materials occurs.	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.8.1: The City shall coordinate with the FDEP and Brevard County in the establishment of Amnesty Days for the collection of hazardous domestic wastes.	N/A	NO
Policy 12.1.8.2: The City shall ensure that businesses which store, generate, or transport hazardous wastes or materials do so in accordance with Federal and State guidelines and regulations.	N/A	NO
Policy 12.1.8.3: Industrial parks which include tenants who use hazardous materials or generate hazardous wastes shall be required to: (a) prepare hazardous materials spill containment and clean-up plans; (b) design drainage and sewer facilities to prevent the contamination of soils, groundwater or surface waters from hazardous materials spills; and (c) provide interim storage facilities for hazardous wastes generated on-site.	N/A	NO
Policy 12.1.8.4: The City shall provide the greatest support practical to Federal, State and County hazardous waste and materials management programs.	N/A	NO
Objective 12.1.9: Floodplain Management. The City shall protect the flood storage and conveyance functions of the 100-year floodplain.	N/A	NO
Policy 12.1.9.1: In order to reduce the adverse consequences of floodplain development and simultaneously encourage the conservation of natural habitat, the City's Flood Damage Prevention ordinance shall be updated as needed to maintain compliance with the National Flood Insurance Program and to discourage construction in the floodplain, unless the proposed construction is expressly authorized by this Comprehensive Plan. Developmental plans shall preserve the natural functions of floodplains when practical. The provision of compensatory storage for fill placed within the floodplain shall be allowed only when the applicant demonstrates the absence of adverse consequences of compensatory storage and demonstrates compliance with other applicable provisions of this Comprehensive Plan.	N/A	NO
Policy 12.1.9.2: Developers shall be encouraged to incorporate those portions of sites that are within the 100-year floodplain as open space preservation	N/A	NO
Policy 12.1.9.3: The City shall promote wetlands preservation and non-structural floodplain management by encouraging the use of isolated wetlands as detention areas, where such use is consistent	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
with good engineering practice and does not significantly degrade the ecological value of wetlands. Pre-treatment of stormwater run off by diversion of the "first flush" shall be required prior to discharge to wetland detention areas.		
Policy 12.1.9.4: The City shall encourage public and private agencies, including but not limited to the Florida Department of Environmental Protection, the Florida Game and Freshwater Fish Commission, the St. Johns River Water Management District, The Nature Conservancy, The Trust for Public Lands and Brevard County, in acquiring wetlands and floodplains.	N/A	NO
Objective 12.1.10: Soil Conservation and Mineral Resources. Land development and mineral extraction activities shall be regulated so as to conserve mineral resources and limit the adverse effects of soil erosion and sediment transport on air and water quality.	N/A	NO
Policy 12.1.10.1: The City shall continue to regulate resource extraction activities so as to both protect and conserve mineral resources and protect the environment.	N/A	NO
Policy 12.1.10.2: The City shall require that all land clearing for agriculture, excavation or development activities be conducted in compliance with soil erosion Best Management Practices published by the SCS, FDOT, FDEP, FDACS or IFAS. Land clearing for resource extraction or development shall be limited to the minimum amount necessary.	N/A	NO
Policy 12.1.10.2: The City shall require that all land clearing for agriculture, excavation or development activities be conducted in compliance with soil erosion Best Management Practices published by the SCS, FDOT, FDEP, FDACS or IFAS. Land clearing for resource extraction or development shall be limited to the minimum amount necessary.	N/A	NO
Policy 12.1.10.3: Land developers and excavators shall prepare and implement reclamation plans that establish a biologically productive landscape comprised of native plants. The City shall require land developers and excavators to demonstrate financial responsibility for future reclamation activities prior to approval of development.	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
Policy 12.1.10.4: The City shall employ Best Management Practices for control of erosion and sedimentation for road and other City projects.	N/A	NO
Objective 12.1.11: Energy Reduction and Conservation. The City will take steps to reduce the consumption of energy through promoting more efficient land use development patterns and uses which provide alternatives to commuting to and from employment	N/A	NO
Policy 12.1.11.1: The City will promote the use of infill development along its existing commercial corridors to increase the diversity of uses located in close proximity to one another to reduce the need for multiple trips or to travel cross town.	N/A	NO
Policy 12.1.11.2: Where feasible and compatible with adjacent land uses, the City will support requests for higher densities and intensities	N/A	NO
Policy 12.1.11.3: The City will promote mixed-use development patterns in new projects to provide greater diversity of use in close proximity of one another to promote reduced dependence on automobiles, and increased use of pedestrian and bicycle travel	N/A	NO
Policy 12.1.11.4: To the greatest extent possible, the City should work with providers of multimodal transportation systems, such as SCAT, to encourage them to expand, or establish service in and around the City to reduce resident's dependence on use of automobiles.	N/A	NO
Policy 12.1.11.5: The City will develop a bicycle/pedestrian master plan to provide a blueprint for the development of a City-wide trail plan to provide interconnectivity of residential and commercial areas to promote bicycle and pedestrian travel as an alternative to the automobile.	N/A	NO
Policy 12.1.11.6: The City will continue to promote itself as a desirable place for new clean business and industry to move to with the intention of increasing employment opportunities for Cocoa residents to reduce or eliminate the need to commute to and from work.	N/A	NO
Policy 12.1.11.7: Continue working to improve citizens awareness of the need to conserve energy through continued participation of Florida Power and Lights Household Energy Makeover Initiative	N/A	NO

2020-2030 Comprehensive Plan Conservation Element	Analysis/Recommendations	State Required Changes
(HEMI) to educate residents, especially those with older less energy efficient homes, of the savings in not only the natural resources used to create energy, but also the expenses associated with inefficient heat and air conditioning units and appliances		
Policy 12.1.11.8: The City supports Federal and State incentives to promote use of energy efficient technology, including but not limited to solar heating, photovoltaic cells, more efficient insulation systems, and other clean energy sources.	N/A	NO
Policy 12.1.11.9: The City shall review, and where feasible, adopt conservation oriented building methods and materials, such as those promoted through the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system.	N/A	NO
Policy 12.1.11.10: To the greatest extent possible, any new structures constructed by the City shall meet, at a minimum, the Silver rating of the LEED rating system	N/A	NO

2020-2030 Comprehensive Plan Intergovernmental Coordination Element	Analysis/Recommendations	State Required Changes
GOAL 13.1: The City shall maintain an ongoing commitment to Intergovernmental Coordination to ensure that the growth management goals of the comprehensive plan will be effectively implemented.	N/A	NO
Objective 13.1.1: Coordinate Comprehensive Plan. The City shall continue to coordinate comprehensive planning and intergovernmental issues with Brevard County, adjacent municipalities and the East Central Florida Regional Planning Council (ECFRPC).	N/A	NO
Policy 13.1.1.1: The City shall exchange intergovernmental information and services with appropriate local governments through scheduled meetings and as requested.	N/A	NO
Policy 13.1.1.2: The City shall engage in mutual discussion with Brevard County and adjacent municipalities to establish an annexation policy to direct an orderly and timely process of annexing unincorporated lands adjacent to Cocoa's municipal boundaries.	N/A	NO
Policy 13.1.1.3: In the event of a conflict with the comprehensive plan of another local government that cannot be successfully resolved within a reasonable period of time, the City will appeal to the ECFRPC's informal mediation process. Wherever possible, the appeal will be submitted as a joint request by the local governments. The City shall work with Brevard County to adopt a Joint Planning Agreement (JPA) to address long-term planning and decision making for the region, including the issue of future annexations.	N/A	NO
Policy 13.1.1.4: The City shall review and update all interlocal agreements to ensure consistency with the requirements of Florida Statutes.	N/A	NO
Objective 13.1.2: Impacts of Development. The City of Cocoa shall ensure that the impacts resulting from the implementation of the comprehensive plan upon development in adjacent	N/A	NO

2020-2030 Comprehensive Plan Intergovernmental Coordination Element	Analysis/Recommendations	State Required Changes
municipalities, unincorporated areas, regions and the State are evaluated and addressed with such jurisdictions		
Policy 13.1.2.1: The City staff will evaluate development projects in Cocoa to include an assessment of impacts on the comprehensive plans of adjacent jurisdictions.	N/A	NO
Policy 13.1.2.2: The City staff will assess future amendments to its comprehensive plan, including the Future Land Use and Capital Improvements elements, for impact on the comprehensive plans of adjacent jurisdictions.	N/A	NO
Policy 13.1.2.3: The City shall coordinate with the City of Rockledge to institute joint planning activities in areas of joint concern and influence. The activities shall include land use, landscaping, urban design and urban form of new development in the area.	N/A	NO
Policy 13.1.2.4: The City shall coordinate transportation planning activities with the Florida Department of Transportation (FDOT), ECFRPC, the Space Coast TPO, Brevard County and the adjacent municipalities to protect and preserve necessary future rights-of-way and to adopt corridor roadway systems in and around the City of Cocoa	N/A	NO
Objective 13.1.3: Coordinate Level of Service Standards. The City shall continue to coordinate with responsible local, regional, and State authorities, as appropriate, to ensure consistency of adopted level of service (LOS) standards across jurisdictions.	N/A	NO
Policy 13.1.3.1: The City shall continue to contract with a private service provider for solid waste collection service and disposal at the Brevard County landfill and will coordinate adopted LOS standards with the County.	N/A	NO
Policy 13.1.3.2: The City shall continue to function as the primary provider for potable water service within its franchise area in central Brevard County and will coordinate with adjacent jurisdictions using potable water services regarding LOS standards and the extension of water and wastewater services to the new users of the Cocoa water system.	N/A	NO
Policy 13.1.3.3: The City shall continue to coordinate with FDOT, the Space Coast TPO and Brevard County to establish concurrency management mechanisms that will provide consistent LOS	N/A	NO

2020-2030 Comprehensive Plan Intergovernmental Coordination Element	Analysis/Recommendations	State Required Changes
standards to be maintained on major roadways in and around the City of Cocoa.		
Objective 13.1.4: Housing and Recreational Facilities. The City shall provide appropriate mechanisms to coordinate information and programs for the provision of housing and recreational facilities.	N/A	NO
Policy 13.1.4.1: The City shall solicit recommendations and assistance from various public agencies and quasi-public organizations such as the Florida Department of State, Division of Historic Resources, the state land planning agency, Florida Department of Children & FamiliesBrevard County Housing Authority and local Chambers of Commerce to assist in program funding, identification of structures and areas to be preserved for historical purposes.	N/A	NO
Policy 13.1.4.2: The City shall continue both formal and informal communication with appropriate State and regiona, l agencies, such as the state land planning agency and the ECFRPC, to ensure availability of information on specific programs, projects, and legislation pertinent to affordable housing and to provide technical assistance for potential grants	N/A	NO
Policy 13.1.4.3: The City shall engage in efforts with Brevard County and the Brevard County School Board for procurement, operation and maintenance of parks and recreation facilities.	N/A	NO
Policy 13.1.4.4: The City shall continue to cooperate with state agencies as well as non-profit environmental organizations in identifying programs and funding sources to promote further development of community parks, open space and recreation facilities and to coordinate with them in effectively managing existing natural areas and open space.	N/A	NO
Objective 13.1.5: Natural Resources. The City will continue to strengthen existing, and establish new, intergovernmental relationships to ensure natural resource management and protection.	N/A	NO
Policy 13.1.5.1: The City shall coordinate with existing resource protection plans of other government agencies and entities including the FDEP, SJRWMD, as well as with nonprofit environmental organizations to appropriately conserve and manage natural areas, water supply sources and open space.	N/A	NO

2020-2030 Comprehensive Plan Intergovernmental Coordination Element	Analysis/Recommendations	State Required Changes
Policy 13.1.5.2: The City shall coordinate with Brevard County and adjoining municipalities to ensure that natural resources occurring in, or affecting more than one governmental jurisdiction, are effectively managed to preserve, protect and enhance natural systems, wildlife, fisheries and habitat. This includes ensuring the City's stormwater management, aquifer recharge and reuse water policies and projects are consistent with the goals of the SJRWMD's water supply plan and the Upper St. Johns River Surface Water Improvement and Management (SWIM) Plan to protect or enhance water quality and natural systems.	N/A	NO
Objective 13.1.6: Coordinate with Brevard County School Board. The City shall continue to coordinate with the Brevard County School Board with regard to school site selection and the implementation of school concurrency consistent with the adopted Interlocal Agreement.	N/A	NO
Policy 13.1.6.1: The City and the Brevard County School Board shall discuss and coordinate development plans for expansion of existing schools or development of new education facilities within the City to assure such activities are consistent with growth management directives established within the City's comprehensive plan. Issues shall include the impacts of facilities on adopted LOS standards established for public school facilities, transportation, potable water, wastewater, drainage and solid waste services.	N/A	NO
Policy 13.1.6.2: The City shall provide the Brevard County School Board with information regarding proposed new developments to assist its efforts in planning new schools and to solicit its review comments.	N/A	NO
Policy 13.1.6.3: In cooperation with the Brevard County School Board, Brevard County, and other local jurisdictions the City will implement the Interlocal Agreement which includes procedures for the coordination of land use and school capacity, and the sharing of information, including population and student enrollment projections.	N/A	NO
Objective 13.1.7: St. Johns River Water Management District. The City shall continuously monitor the St. Johns River Water Management District (SJRWMD) Water Supply Plan for revisions	N/A	NO

2020-2030 Comprehensive Plan Intergovernmental Coordination Element	Analysis/Recommendations	State Required Changes
and amendments on an annual basis to determine whether revisions to the City's Water Supply Management Plan are needed.		
Policy 13.1.7.1: The City shall maintain a Water Supply Facilities Work Plan consistent with the SJRWMD's Water Supply Plan.	N/A	NO
Policy 13.1.7.2: Within 18 months of any changes to the above referenced plan by SJRWMD, the City shall evaluate its adopted Water Supply Facilities Work Plan for updates necessary to keep it consistent with the SJRWMD's plan.	N/A	NO
Policy 13.1.7.3: Supply and demand projections will be consistent with the abovementioned plans, assessments and processes	N/A	NO
Policy 13.1.7.4: The City will continue to actively participate in water supply planning work groups and meetings on an as-needed basis	N/A	NO
Policy 13.1.7.5: The City shall participate in the updates to the SJRWMD's water supply assessment and District Water Supply Plan and other water supply development-related initiatives facilitated by the SJRWMD that affect the City,	N/A	NO

XIV: Capital Improvements Element Review

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
GOAL 14.1: Through the use of sound fiscal policies, the City of Cocoa shall provide adequate public facilities to all residents within its jurisdiction in a timely and efficient manner that promotes orderly compact urban growth and discourages urban sprawl.	N/A	NO
Objective 14.1.1: Level of Service Standards. The City shall adopt levels of service (LOS) standards for public facilities and capital improvement projects within its jurisdictional responsibility (Table in Comp Plan)	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
The uniform LOS standards for public schools shall be those established in the Public Schools Facilities Element. Currently, the LOS for the School District is 100%.		
Policy 14.1.1.2: By December 1st of each year the City shall adopt as part of its Capital Improvements Element the Brevard County School District Five Year Work Program approved by the School as part of the School District budget. The City of Cocoa hereby adopts by reference the Five-Year District Facilities Work Program (2018-2019 through 2022-2023) as approved by the School Board on October 23, 2018. Included therein shall be planned facilities and funding sources to ensure the level of service standards will be achieved by the end of the five-year period.	N/A	NO
Objective 14.1.2: Concurrency Management System. The City shall implement the Concurrency Management System (CMS) adopted in the City Code, which is consistent with sections 163.3177 and 163.3180, F.S. to manage the land development process so that public facility needs created by previously issued development orders or future development do not exceed the City's ability to fund and provide needed capital improvements	N/A	NO
Policy 14.1.2.1: The concurrency evaluation system shall measure the potential impact of any development proposal on the established minimum acceptable LOS standards for sanitary sewer, solid waste, stormwater, potable water, parks and recreation and transportation facilities, unless the development is exempt from the review requirements of the CMS	N/A	NO
Policy 14.1.2.2: No development permit or order shall be issued unless adequate public facilities are available to serve the proposed development as determined by the concurrency evaluation in the adopted CMS.	N/A	NO
Policy 14.1.2.3: The City shall require all public and private capital facilities to provide service at the LOS standards adopted in this comprehensive plan for previously vested, existing and future permitted development. These capital facilities shall be provided concurrently with the impacts of development based on the minimum requirements in the City's adopted CMS.	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
Objective 14.1.3: Evaluation of Capital Projects. The City's capital projects shall be evaluated to determine if they meet prioritization criteria and consistency with adopted LOS standards and/or public need. Policy 14.1.3.1: Requests for capital projects shall generally be evaluated on their impact to the City budget based on the following factors: • Meet existing deficiencies; • Provide repair or replacement of existing facilities; • Accommodate desired future growth; and • Consistency with the City's Budget Prioritization list.	N/A	NO
Policy 14.1.3.2: The Finance Director shall determine if the capital project can be funded from existing cash, future revenues or through borrowing. In addition, the finance director shall assign revenue sources to fund the project.	N/A	NO
Policy 14.1.3.3: The Finance Director shall prepare a report evaluating the funding options, the effect of the improvement on future revenues and the effect of the improvement on operation and maintenance costs.	N/A	NO
Policy 14.1.3.4: The City shall adopt the following policy statements as guides for capital programming: A. The City shall make all capital improvements in accordance with an adopted Capital Improvements Program (CIP). B. The City shall develop a multi-year plan for capital improvements and update it annually. C. The City shall enact an annual capital budget based on the multi-year CIP. Future capital expenditures necessitated by changes in population, changes in real estate development or changes in economic base will be calculated and included in capital budget projections. D. The City shall coordinate development of the capital improvement budget with development of the operating budget. Future operating costs associated with new capital	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
improvement will be projected and included in operating budget forecasts. E. The City shall use intergovernmental assistance to finance only those capital improvements that are consistent with the CIP and city priorities, and whose operating and maintenance costs have been included in operating budget forecast. F. The City shall maintain all its assets at a level adequate to protect its capital investment and to minimize future maintenance and replacement costs. G. The City shall project its equipment replacement and maintenance needs for the next several years and will update this projection each year. From this projection, a maintenance and replacement schedule will be developed and followed. H. The City shall identify the estimated costs and potential funding sources for each capital project proposal before it is submitted to Council for approval. I. The City shall determine the least costly financing method for all new projects.		
Policy 14.1.3.5: Capital improvements planning will include evaluations of the costs and benefits of upgrading, expanding or modifying regionally significant public facilities versus the cost of constructing new facilities.	N/A	NO
Policy 14.1.3.6: Projects of the five-year Capital Improvements Schedule shall be prioritized based on the following: CRITERIA FOR PRIORITY RANKING OF CAPITAL IMPROVEMENT PROJECTS: PRIORITY ONE 1) The project addresses a condition dangerous to public health, safety and welfare. 2) The project achieves compliance with a mandate or other legal obligation (contract/development order). 3) The project alleviates an emergency service disruption or deficiency. 4) The project prevents irreparable damage to a critical public facility.	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
PRIORITY TWO 1) The project is identified in the 2016-2021 Strategic Plan and will stimulate economic growth and induces opportunity to attract private capital investment. 2) The project's deferment would result in severe degradation of public facilities and/or reduction in level of service. 3) The project leverages available federal, state or county funding or public-private partnerships (grant awarded or public-private partnership, matching requirement considerations). 4) The project reduces demand on natural resources and/or promotes sustainability. 5) The project increases efficient use of existing facilities. 6) The project reduces future operating and maintenance costs and advances fiscal sustainability. 7) The project provides service to developed areas lacking full service. 8) The project promotes in-fill development. PRIORITY THREE 1) The project rehabilitates or replaces an obsolescent public facility. 2) The project provides a new or expanded level of service to City of Cocoa residents and/or business owners 3) The project leverages available federal, state or county funding (grant opportunities/joint funding). 4) The project enhances natural or cultural resources. 5) The project represents a logical extension of facilities. PRIORITY FOUR 1) The project promotes and enhances the City of Cocoa's image, physically or emotionally. 2) The project enhances and expands recreational or community amenities. 3) The project presents an opportunity to enhance and strengthen community identification within the Space Coast region.		

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
Objective 14.1.4: Public Facility Improvements for New Growth. Public facility improvements that are needed to support new growth will maintain adopted levels of service. Improvements to public facilities that result from the impact of new development will require equitable cost participation by the developer	N/A	NO
Policy 14.1.4.1: All development order applications shall be evaluated as to the impact of the development on capital facilities and the operation and maintenance of those facilities. The evaluation shall include, but not be limited to, the following: A. Expected capital costs, including the installation of required new facilities that are related to the development. B. Expected operation and maintenance costs associated with the new facilities required by the development. C. Anticipated revenues from the development, including impact fees, user fees and future taxes.	Consider adding per section 163.3167.F.S: Allows landowners with a development order approved before the municipality was incorporated to abandon said development order and develop the order's vested density and intensity as long as the vested uses, density, and intensity are consistent with the municipality's comprehensive plan and all existing concurrency obligations in the development order remain in effect.	YES
Policy 14.1.4.2: New development shall be responsible for installing all internal water and sewer systems, traffic circulation systems and internal recreation/open space facilities within the development. In addition, connections of internal systems to the City's designated water and sewer systems and traffic circulation network shall be the financial responsibility of the developer. Nothing herein shall preclude the City from adopting a development agreement for the purposes of entering into a public-private partnership to participate in funding improvements.	N/A	NO
Policy 14.1.4.3: The City will not approve development that requires public facility improvements that exceed the City's ability to provide these in accordance with the adopted LOS standards.	N/A	NO
Policy 14.1.4.4: Service areas designated for public facilities, as defined in the comprehensive plan, will be utilized to guide the availability of public facilities for future development.	N/A	NO
Policy 14.1.4.5: The City, through adoption and implementation of land development regulations, comprehensive plan goals, objectives and policies, impact fees, other impact exactions, implementation of the annual budget and five-year capital improvements schedule, shall ensure the availability of public facilities and services concurrent with the impacts of	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
development. Development shall not be approved unless the necessary infrastructure items and services are available subsequent to plan adoption		
Policy 14.1.4.6: Public expenditures which fund infrastructure improvements within the Coastal Planning Area shall abide by the limitations expressed in the Coastal Management Element (Objective 9.1.5. and Policies 9.1.5.1-2).	N/A	NO
Objective 14.1.5: Coastal High Hazard Expenditures. Public expenditures for capital improvements in the coastal high hazard area (as hurricane vulnerability area) will be limited to repair and replacement of existing facilities, correcting existing deficiencies and hazards, and improvements to the potable water system unless the improvements are included in the plans of the City's community redevelopment areas.	N/A	NO
Policy 14.1.5.1: The City will comply with appropriate regulatory requirements regarding development in the coastal high hazard area	N/A	NO
Objective 14.1.6: Multi-Jurisdictional Coordination. The City will continue coordination that provides for multi-jurisdictional approaches to the provision of needed public facilities	N/A	NO
Policy 14.1.6.1: The City will appoint representatives to participate in intergovernmental activities pertaining to public facility issues and comprehensive plan implementation in Brevard County.	N/A	NO
Policy 14.1.6.2: The City Manager and the Planning and Zoning Board will work closely to address multi-jurisdictional issues concerning the funding of public services.	N/A	NO
Policy 14.1.6.3: Additional City services to the two county enclaves will be predicated on annexation.	N/A	NO
Policy 14.1.6.4: All capital projects shall be reviewed as to their compatibility and timing in relation to capital projects being implemented or planned by Brevard County, the Florida Department of Transportation, the St. Johns River Water Management District, the Brevard County School Board, the Florida Department of Environmental Protection, and/or any other applicable government agency.	N/A	NO
Policy 14.1.6.5: Consistent with other applicable elements of this Plan, the City will provide for the provision of potable water,	N/A	NO

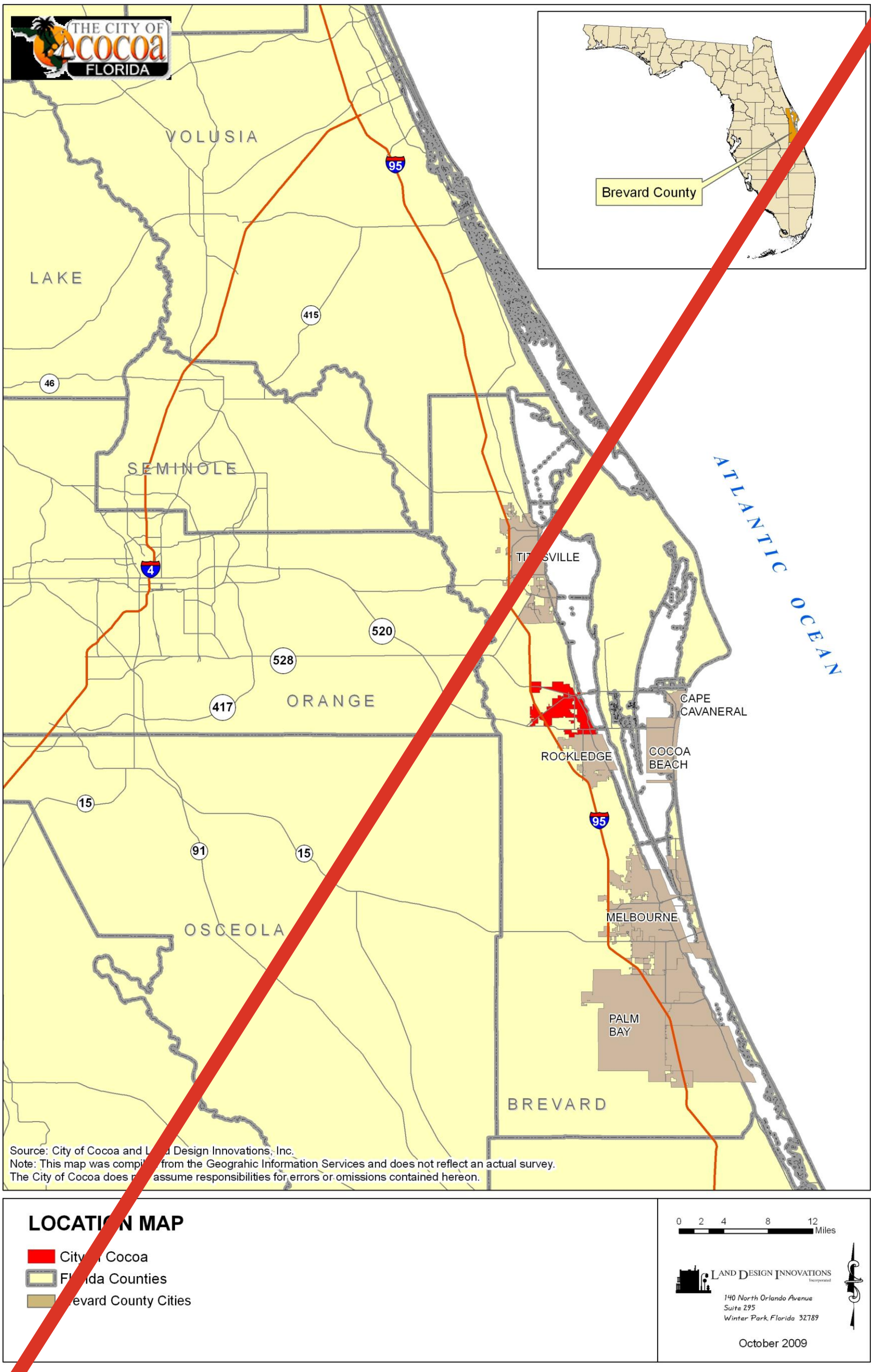
2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
wastewater, surface water management, solid waste services, and other public services where the City has a legal commitment to provide such services.		
Objective 14.1.7: Schedule of Capital Improvements. An annual review of the Capital Improvements Element (CIE) will be included in the City's budget process.	N/A	NO
Policy 14.1.7.1: As part of the annual review of the CIE, the Finance Department shall be responsible for addressing the fiscal impact of capital improvement projects on revenue and expenditures and updating the fiscal assessment section of the CIE.	N/A	NO
Policy 14.1.7.2: The fiscal assessment review and update will be carried out by the Finance Office and will include, at minimum, the following: A. Forecasted summary of revenues and expenditures B. Projected debt service capacity including: 1. Projected revenue bond debt service as a percentage of total debt; 2. Ratio of total debt to total revenue; 3. Projected ad valorem tax base, assessment ratio and millage rate; 4. Projection of operating cost considerations. C. Verify financial feasibility of the CIE	N/A	NO
Policy 14.1.7.3: The City shall adopt a Capital Improvement Program (CIP) as part of the annual budgeting process. The CIP will be derived from and coordinated with the annual review of the Capital Improvements Element	N/A	NO
Policy 14.1.7.4: The City hereby adopts the Five-Year Schedule of Capital Improvements included in this element and shall update the projects annually via resolution to reflect any changes to the CIE and CIP	N/A	NO
Policy 14.1.7.5: The City shall, on an annual basis, amend its CIE to reflect any changes to its water treatment and distribution system needed to maintain the adopted level of service for all residents and customers.	N/A	NO
Policy 14.1.7.6: The Water and Sewer Enterprise Fund will provide capital improvement revenue and bonding capacity for the expansion of the water and sewer system as identified in the	N/A	NO

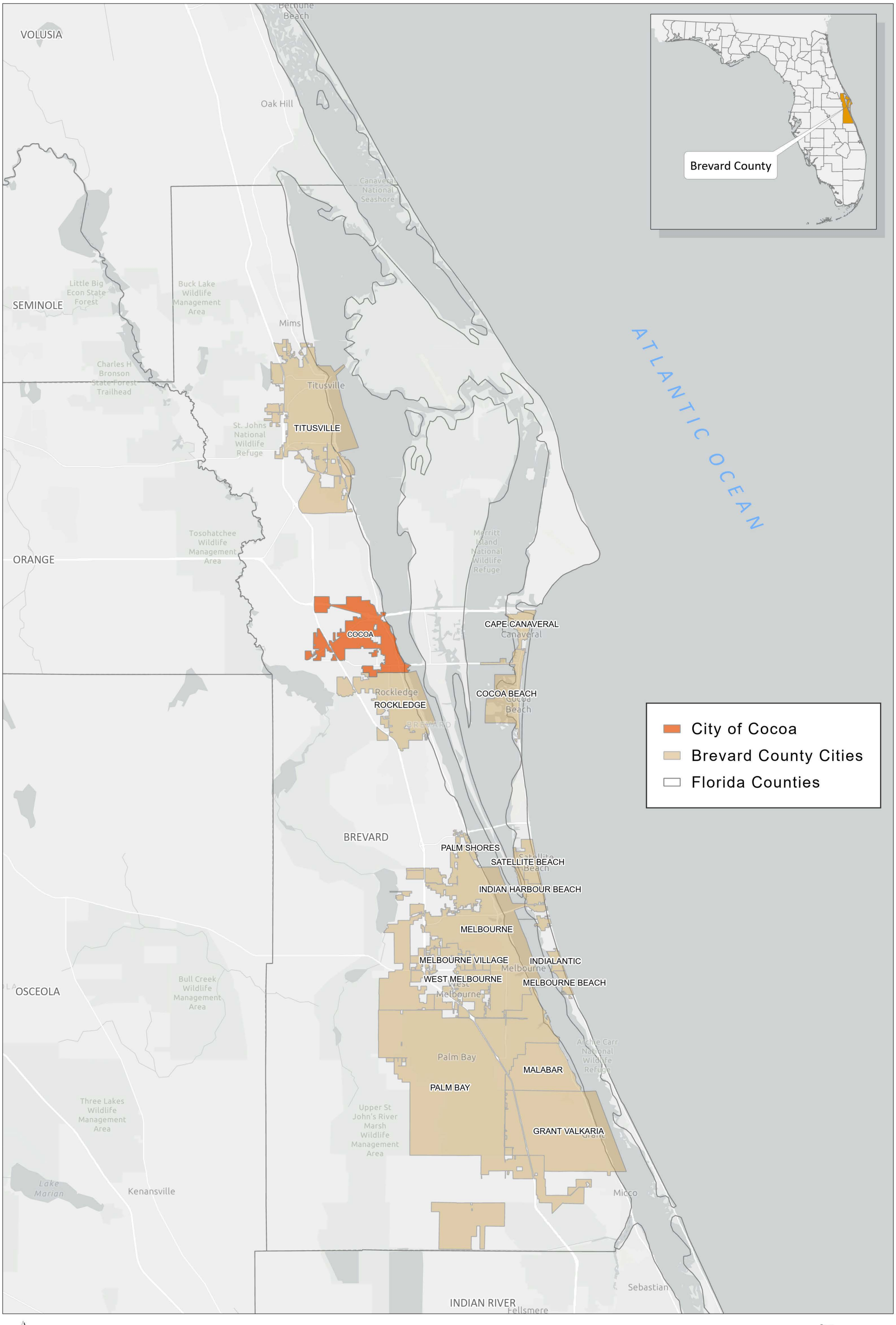
2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
Public Facilities Element and the Capital Improvements Element. The City shall seek supplemental grant funds whenever possible.		
Policy 14.1.7.7: The City shall continue to utilize "user pays" financing strategies in land development regulations including, but not limited to, impact fees, user charges, special assessments and contribution in lieu of payment	N/A	NO
Policy 14.1.7.8: In providing capital improvements, the City shall limit the maximum ratio of outstanding indebtedness to no greater than 15% of the property tax base.	N/A	NO
CAPITAL IMPROVEMENTS ELEMENT IMPLEMENTATION • Five Year Schedule of Capital Improvements • Location of Projects • Programs to Ensure the Implementation of the Capital Improvements Element, Goals, Objectives and Policies. • Monitoring and Evaluation	N/A	NO
PROGRAMS TO ENSURE THE IMPLEMENTATION OF THE CAPITAL IMPROVEMENTS ELEMENT, GOALS, OBJECTIVES AND POLICIES 1) The Capital Improvements Element will be updated annually as part of the City's budget cycle. 2) The Department of Community Development will monitor land use decisions for consistency with the Capital Improvements Element and Future Land Use Element. 3) Maintaining the adopted LOS will function as primary criteria for assessing the impact of new development on public facilities. 4) The Public Works and Engineering Departments will continue to tract facility demand and capacity information as site plans and subdivision plats are approved. 5) Financial operations of the City will include maintaining enterprise and special funds, connection fees, and general fund balance as revenue sources for capital improvement projects	N/A	NO
MONITORING AND EVALUATION The role of monitoring and evaluation is vital to the effectiveness of any planning program and particularly for the Capital Improvements Element. This is largely because the City's revenue and expenditure streams are subject to fluctuations in the market and economy. It is the behavior of these streams that will be used to predict fiscal trends in order to maintain the City's adopted level of service standards for public facilities. Therefore, the Capital Improvements Element	N/A	NO

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
requires a continuous program for monitoring and evaluation, and pursuant to Chapter 163, F.S., this element will be reviewed on an annual basis to ensure that required fiscal resources are available to provide public facilities needed to support adopted LOS standards. The annual review will be the responsibility of the City Council, City Manager, Department(s) of Community Services, Finance, Public Works, and Utilities, and the Planning and Zoning Board. The review may include the following considerations as appropriate: 1) Any corrections, updates, and modifications concerning costs; revenue sources; acceptance of facilities pursuant to dedications which are consistent with the element; or the date of construction of any facility enumerated in the element; 2) The Capital Improvement Element's consistency with the other elements and is support of the Future Land Use Element; 3) The City's ability to provide public facilities and services within the urban service area in order to determine any need for boundary modification or adjustment; 4) The priority assignment of existing public facility deficiencies; 5) The City's progress in meeting those needs determined to be existing deficiencies; 6) The criteria used to evaluate capital improvement projects in order to ensure that projects are being ranked in their appropriate order of priority; 7) The City's effectiveness in maintaining the adopted LOS standards; 8) The City's effectiveness in reviewing the impacts of plans and programs of state agencies and water management districts that provide public facilities within the county's jurisdiction;		

2020-2030 Comprehensive Plan Capital Improvements Element	Analysis/Recommendations	State Required Changes
9) The effectiveness of potential impact fees, and mandatory dedications or fees in lieu of, for assessing new development a pro rata share of the improvement costs which they generate; 10) The impacts of special districts and any regional facility and service provision upon the City's ability to maintain its adopted LOS standards; 11) The ratio of outstanding indebtedness to city revenue; 12) Efforts made to secure grants or private funds, whenever available, to finance the provision of capital improvements; 13) The transfer of any unexpended account balances; 14) The criteria used to evaluate proposed plan amendments and requests for new development or redevelopment; and 15) Capital improvements needed for the latter part of the planning period, for inclusion in the 5-Year Schedule of Improvements.		

Map M-I-1: Location Map





Location Map

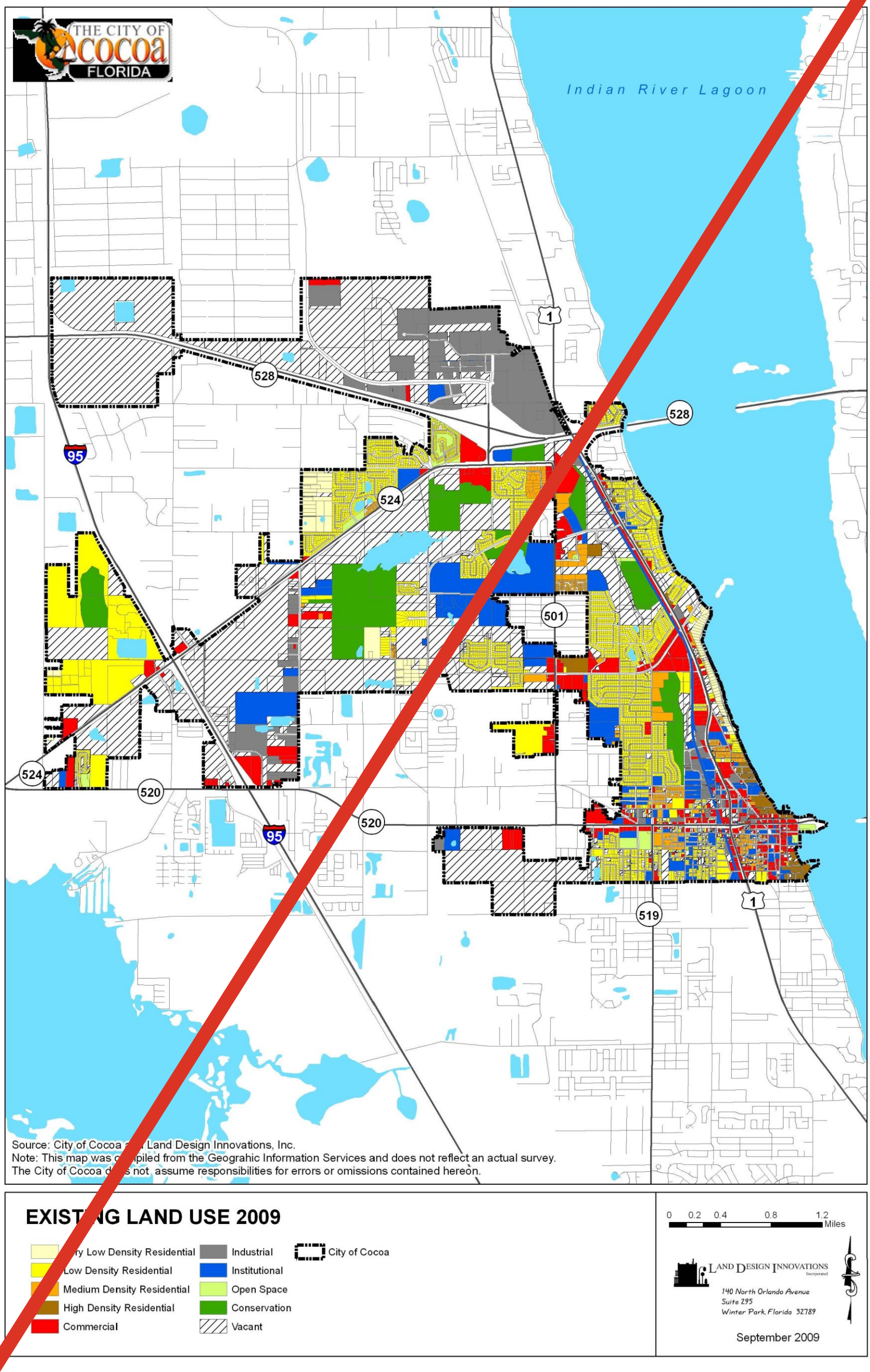
Map M-I-1

July 30, 2025

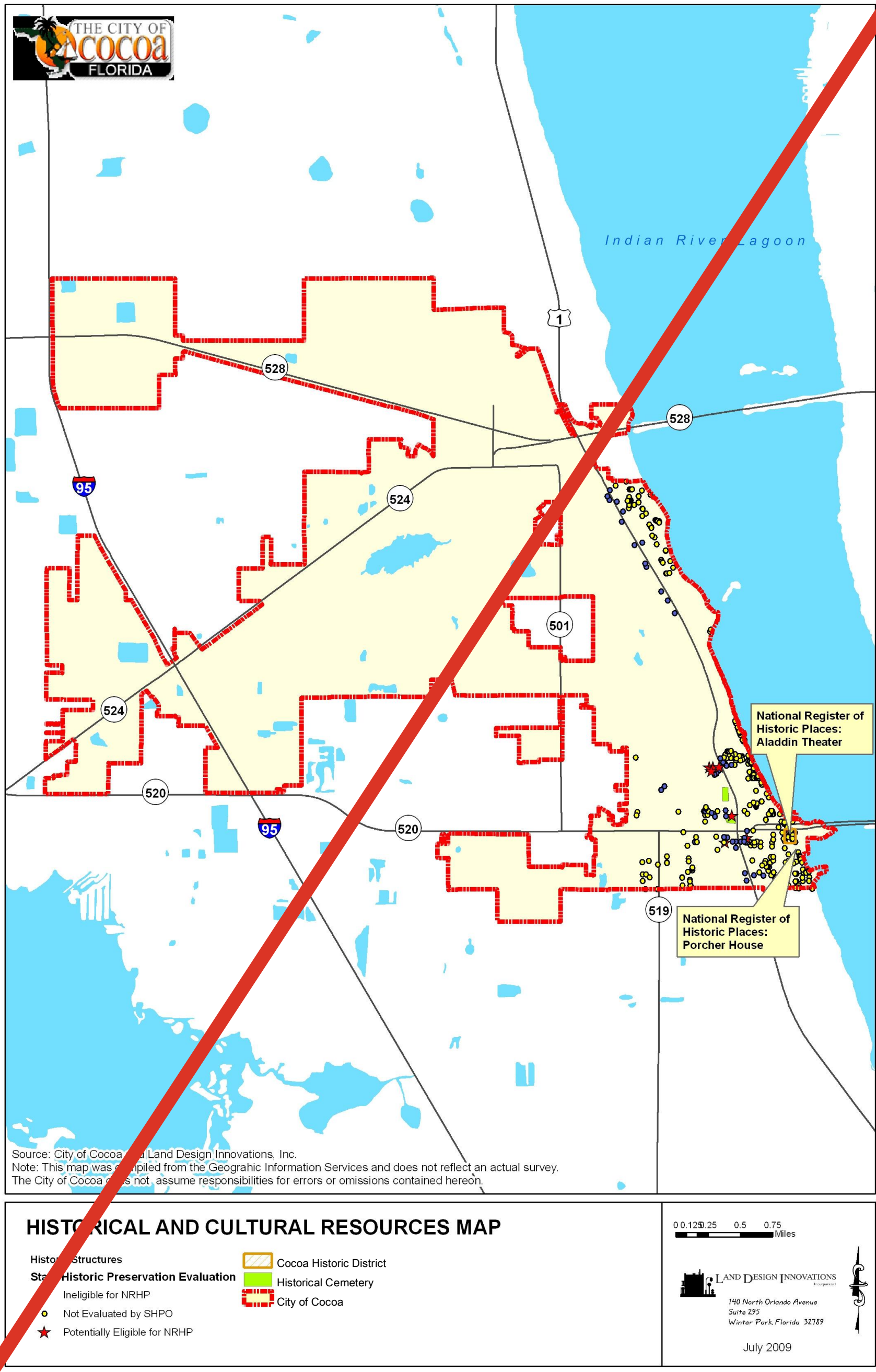
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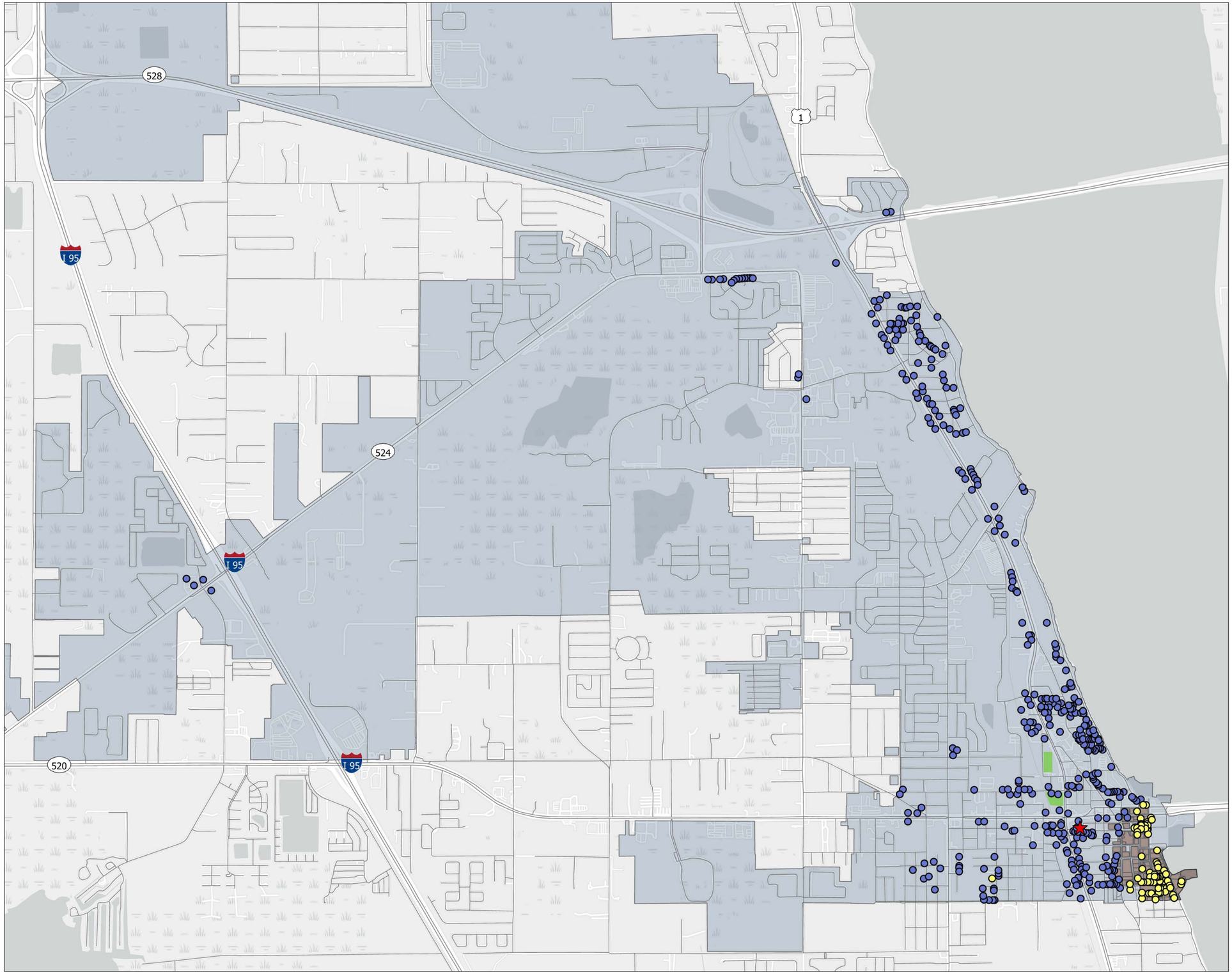
COCOA FLORIDA

Map M-I-2: Existing Land Use Map



Map M-I-3: Historical Resources





COCOA
FLORIDA

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Historical and Cultural Resorces Map

July 28, 2025

Historic Structures

State Historic Preservation Evaluation

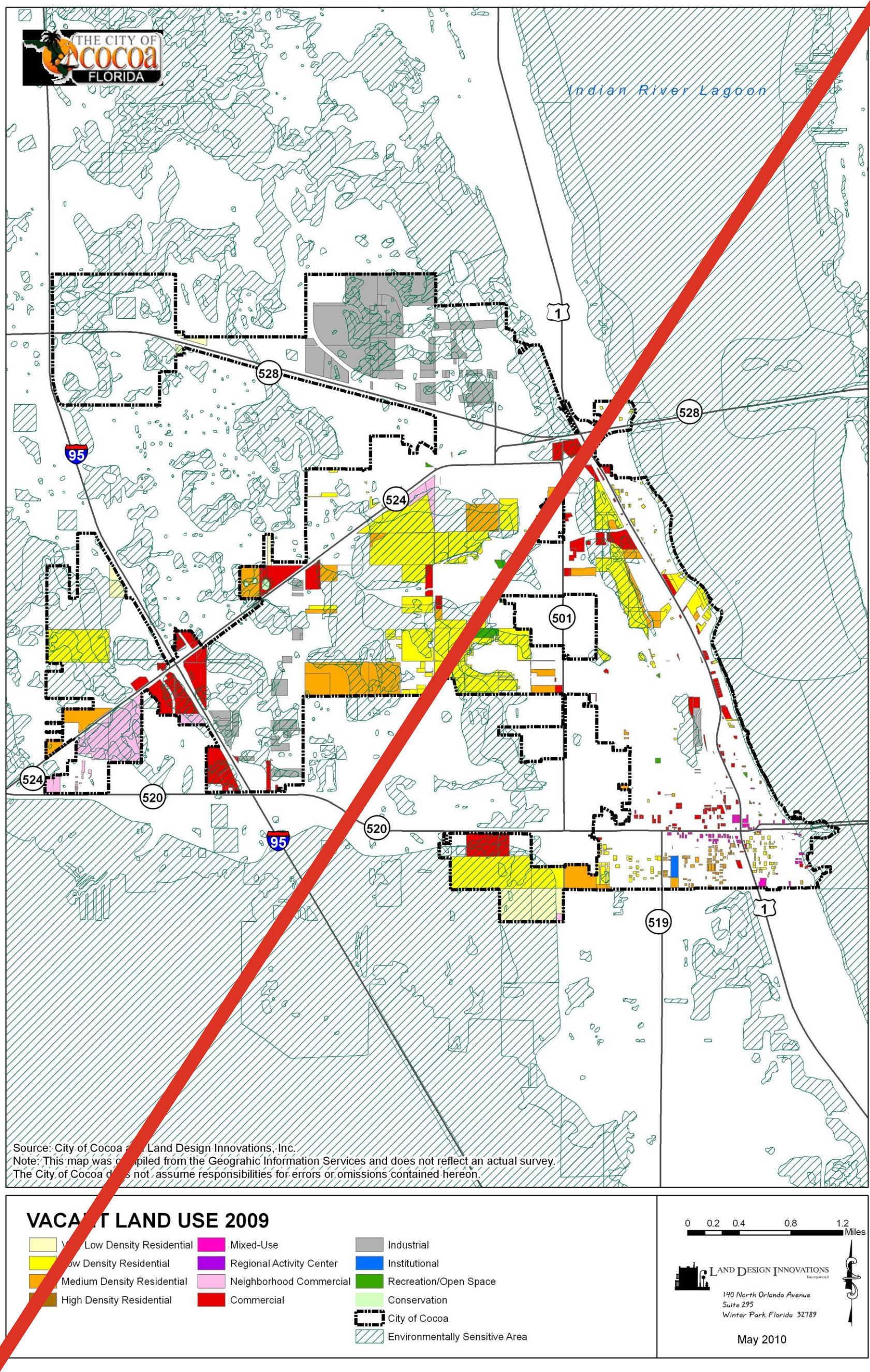
- Ineligible for NRHP (389)
- Not Evaluated by SHPO (68)
- Potentially Eligible for NRHP (1)
- Historical Cemetery (2)
- Cocoa Historic District
- Cocoa City Boundary

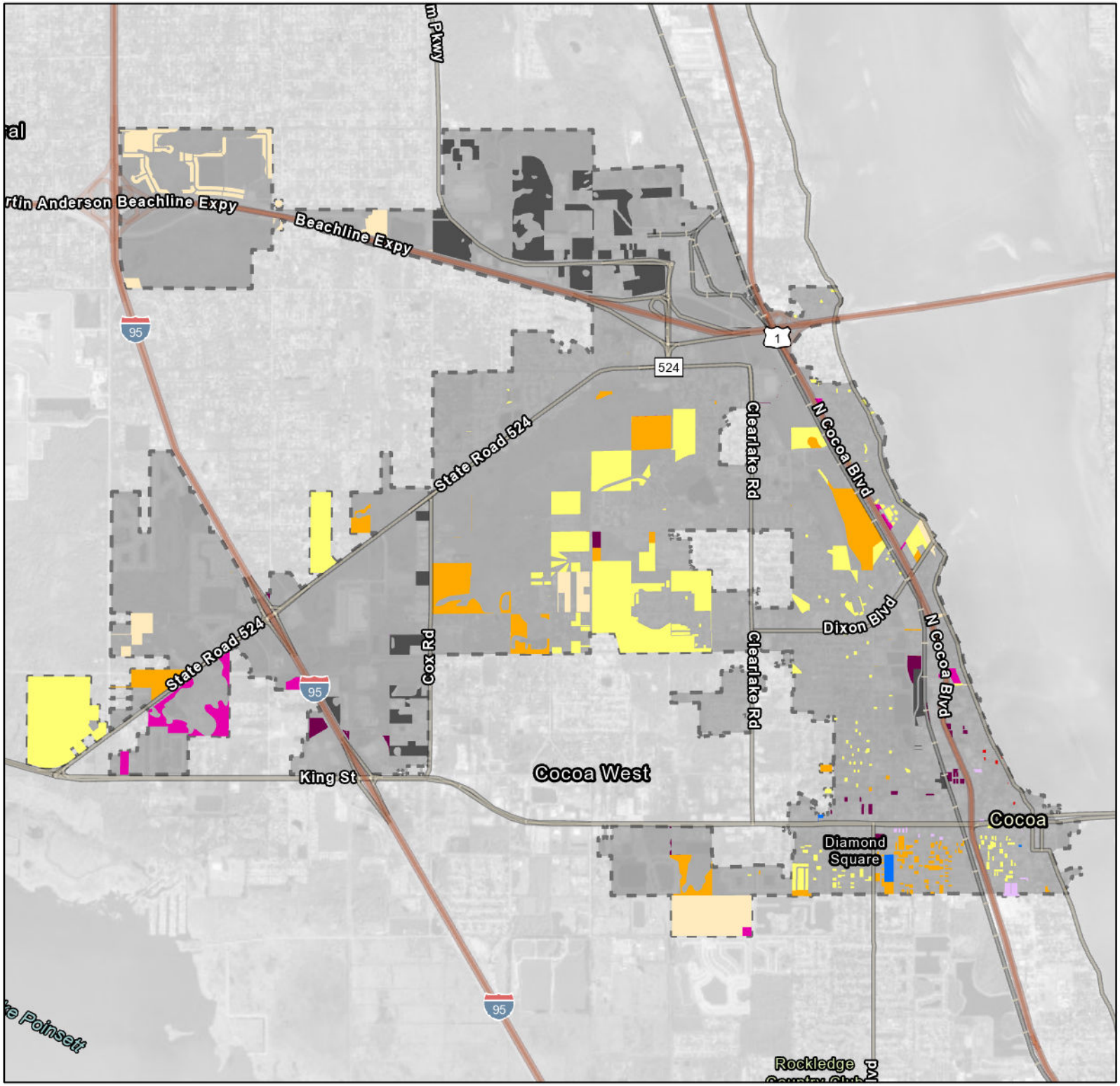
0 0.5 1 Mile

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Map M-I-3

Map M-I-6: Vacant Land by Future Land Use Category





COCOA
FLORIDA

N

Vacant Future Land Use Map

July 31, 2025

Vacant Lands Map

- Very Low Density Residential
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Neighborhood Commercial
- Commercial
- Mixed Use
- Industrial
- Institutional
- Regional Activity Center
- Cocoa City Boundary

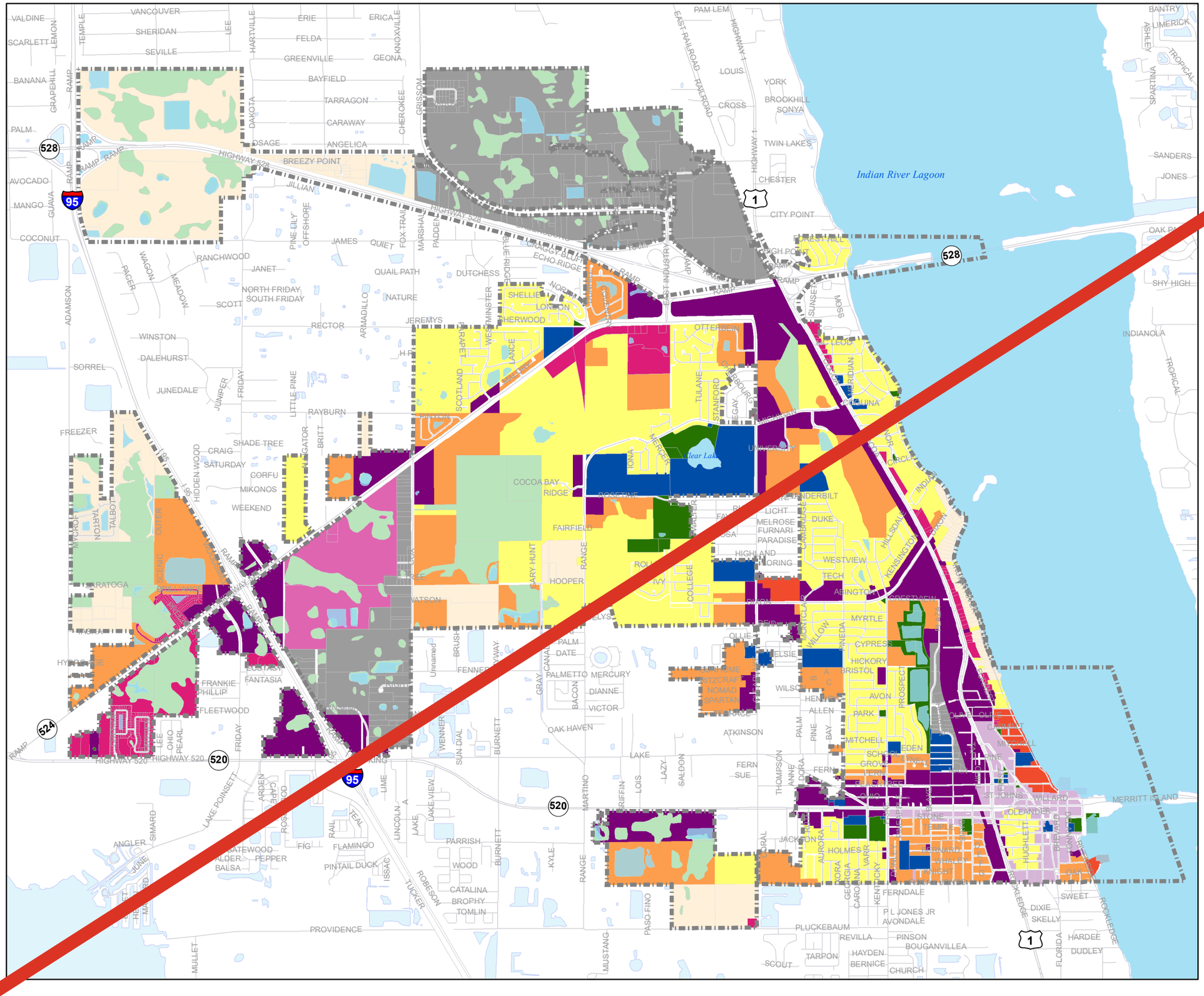
0 1 2
Miles

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RVi Planning + Landscape Architecture

Note: Includes lands encumbered by conservation easement that may be undevelopable

Future Land Use Map

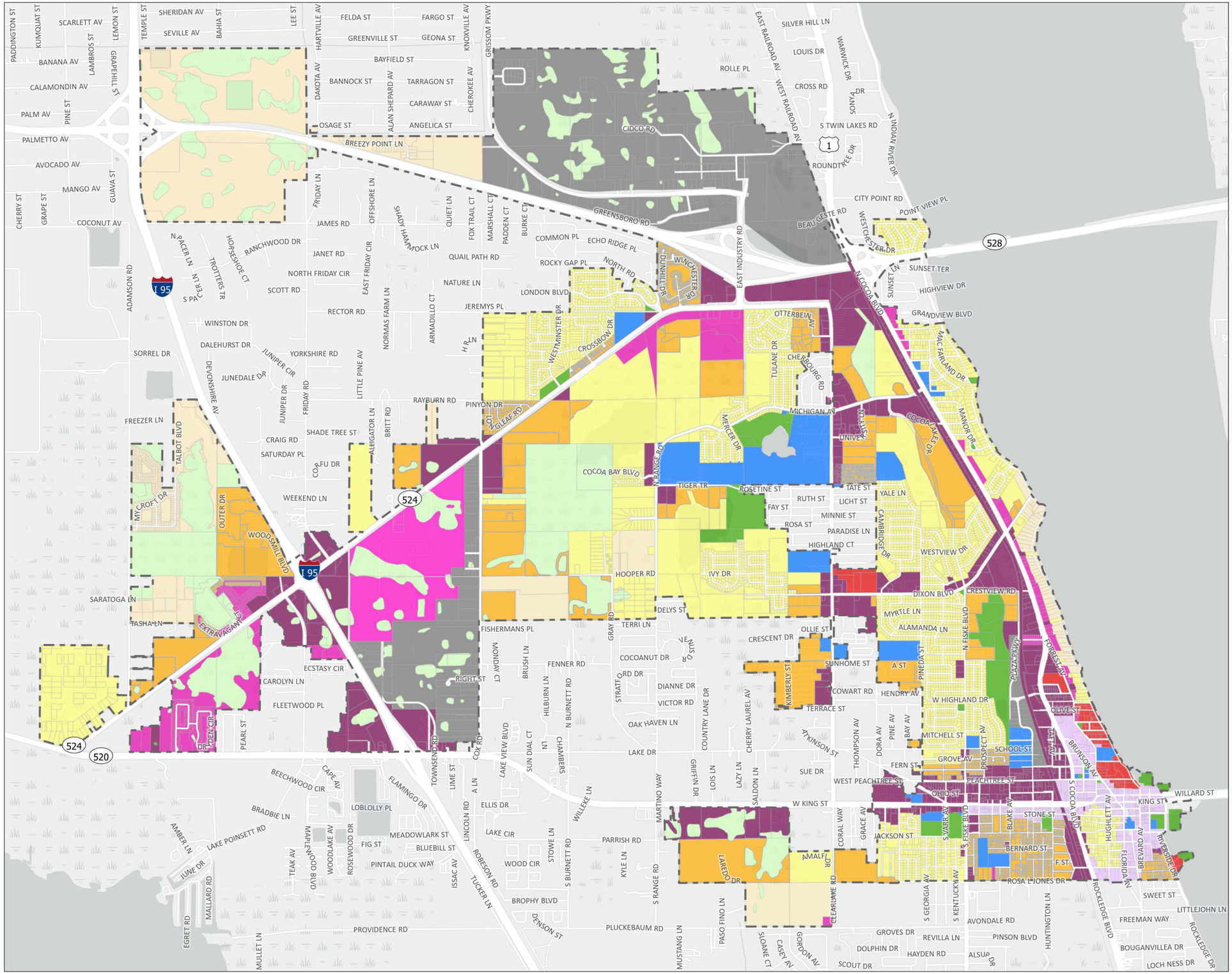


Cocoa City Limits
Very Low Density Residential
Low Density Residential
Medium Density Residential
High Density Residential
Mixed Use
Regional Activity Center
Neighborhood Commercial
Commercial
Industrial
Institutional
Recreation/Open Space
Conservation

0 0.5 1
Miles

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Map M-I-7



Future Land Use Map

February 06, 2025

Cocoa City Boundary

Future Land Use

- Very Low Density Residential
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Neighborhood Commercial
- Commercial
- Mixed Use
- Industrial
- Conservation
- Institutional
- Recreation/Open Space
- Regional Activity Center
- County Zoning

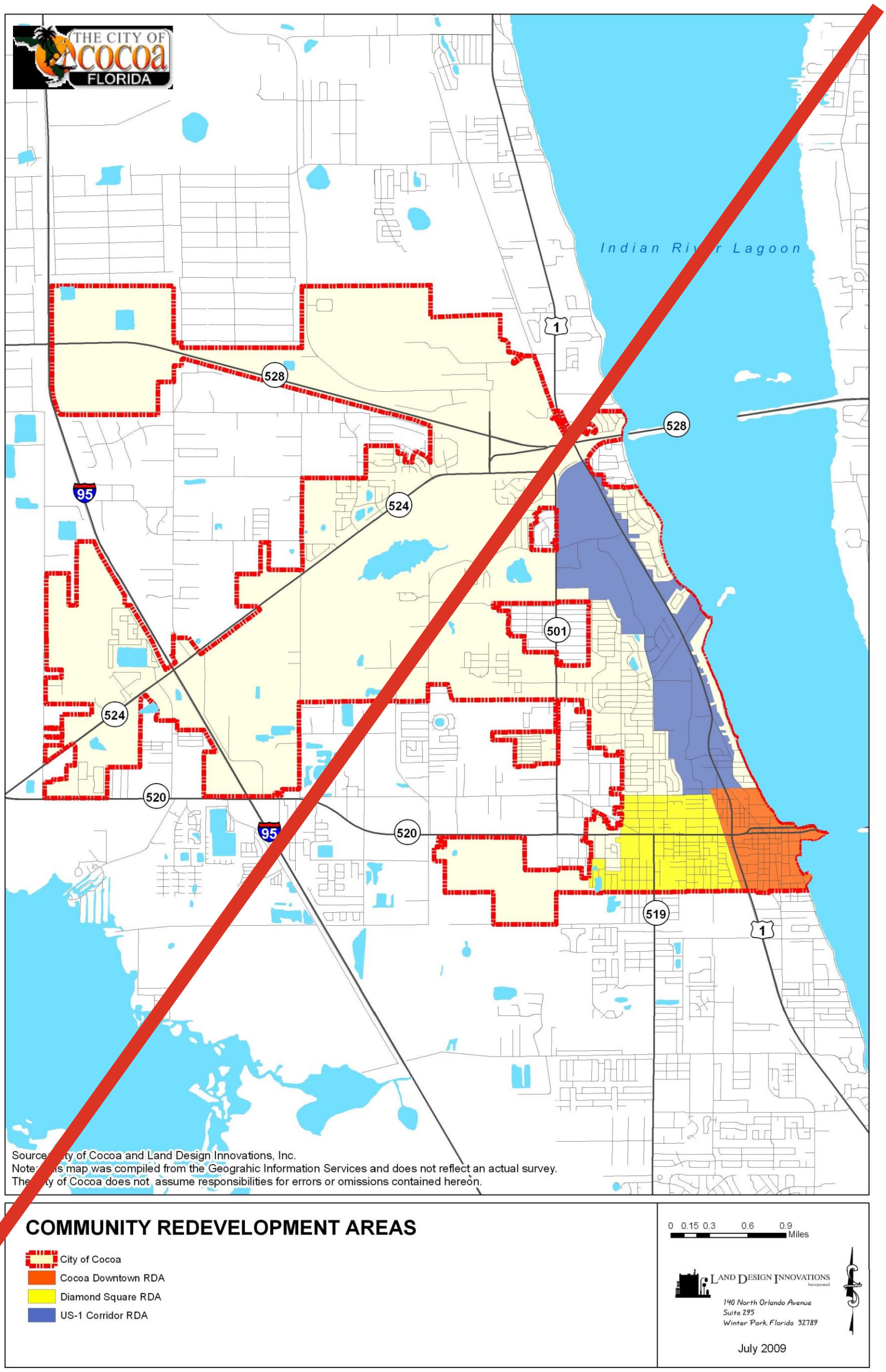
0 0.5 1 Mile

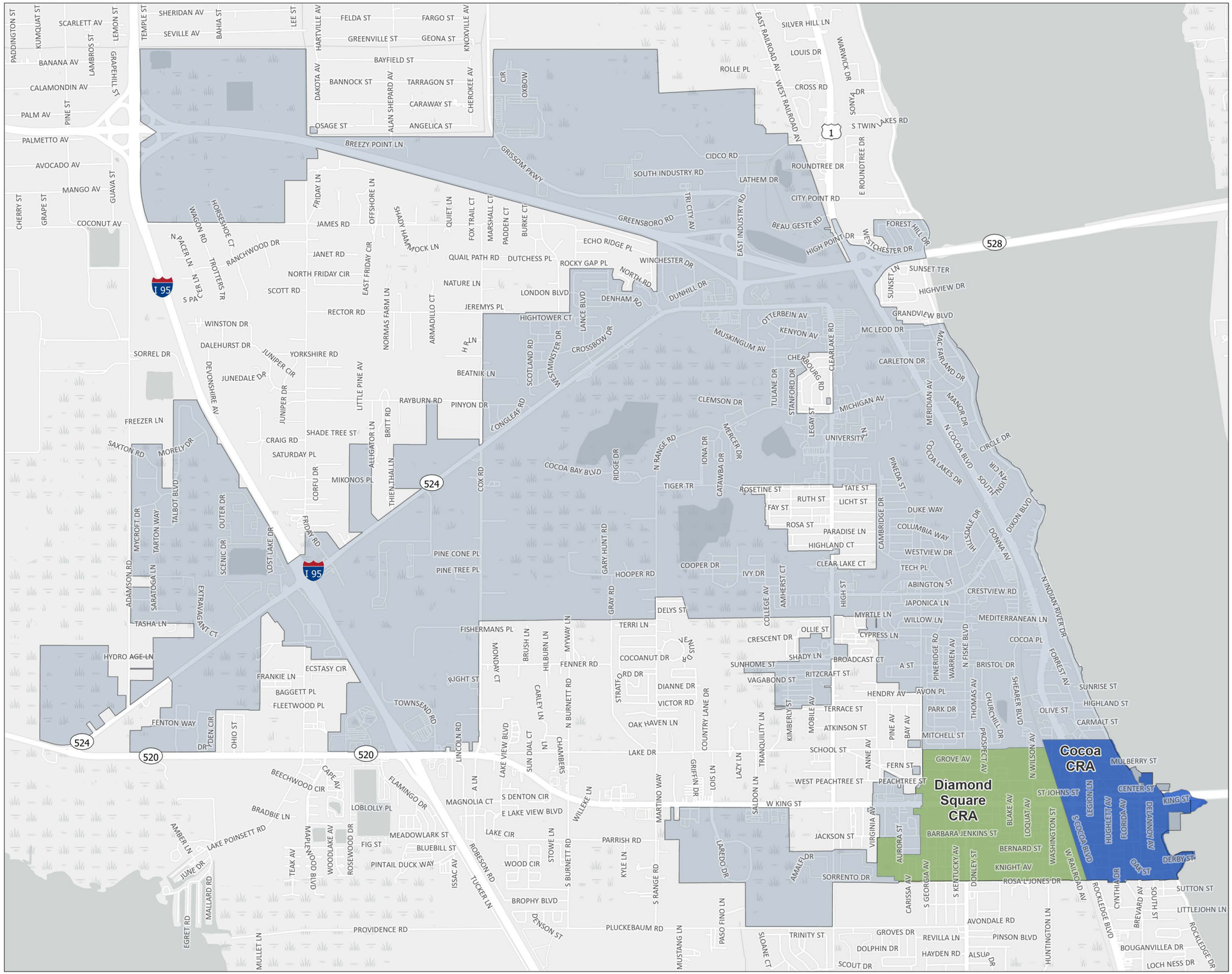
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Map M-I-7

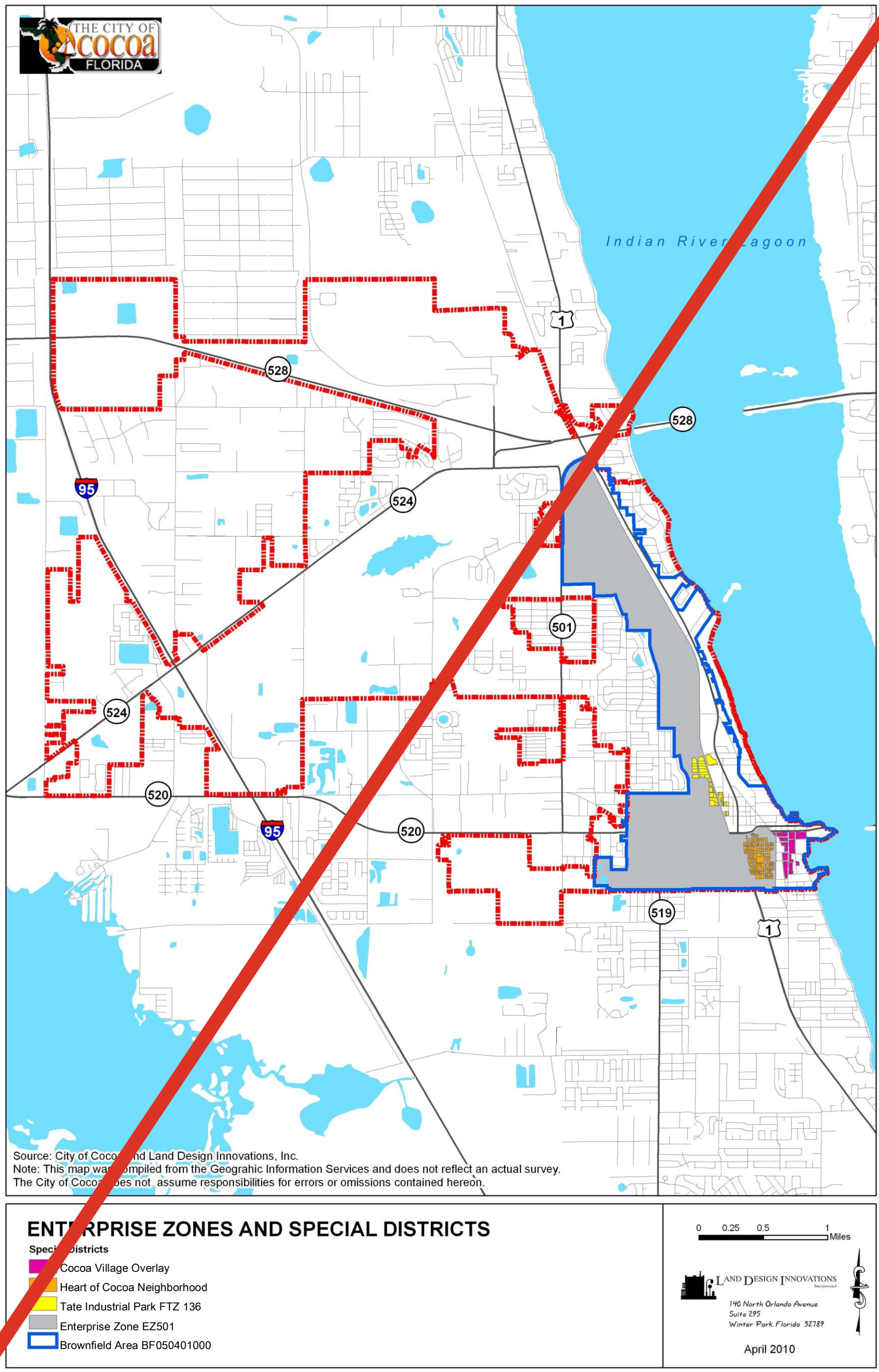
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Map M-I-8: Community Redevelopment Areas

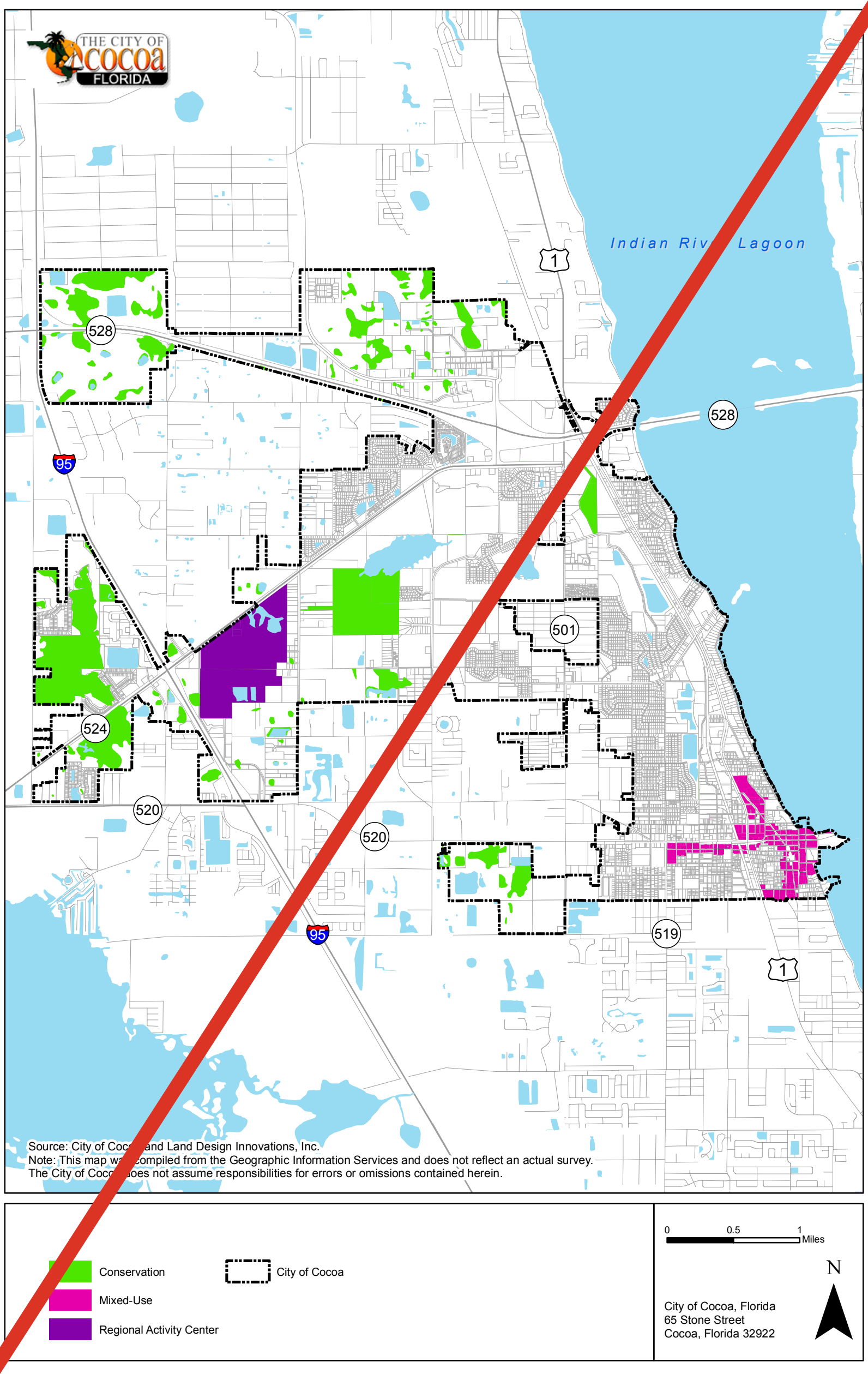


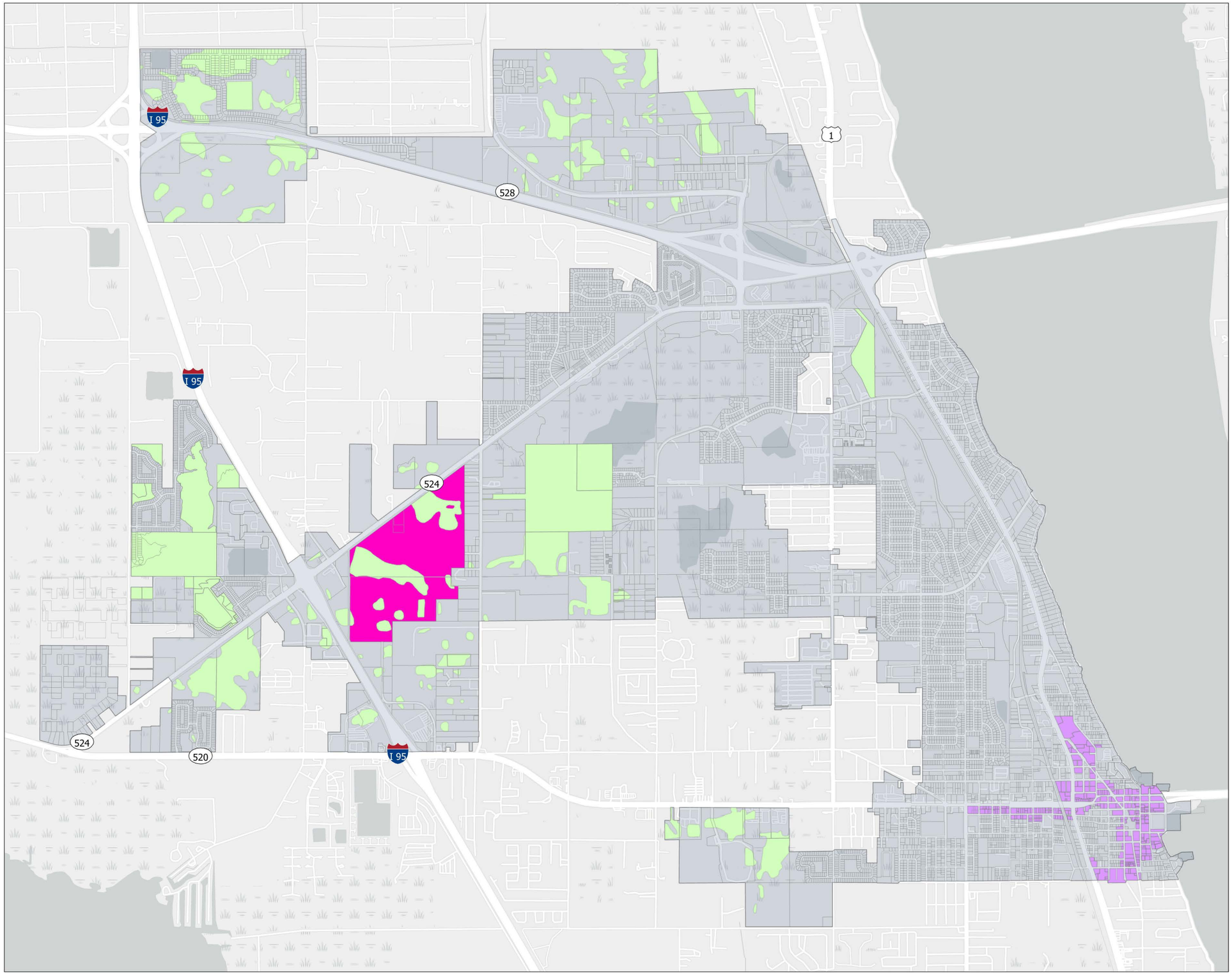

PADDINGTON ST
KUMQUAT ST
SCARLETT AV
LEMON ST
TEMPLE ST
SHERIDAN AV
SEVILLE AV
BAHIA ST
LEE ST
HARTVILLE AV
FELDA ST
FARGO ST
GREENVILLE ST
GEONA ST
KNOXVILLE AV
BANANA AV
LAMBROS ST
GRAPEHILL ST
BAYFIELD ST
DAKOTA AV
BANNOCK ST
ALAN SHEPARD AV
TARRAGON ST
CHEROKEE AV
CALAMONDIN AV
PALM AV
PINE ST
CARAWAY ST
OSAGE ST
ANGELICA ST
PALMETTO AV
BREEZY POINT LN
AVOCADO AV
MANGO AV
GUAVA ST
CHERRY ST
GRAPE ST
COCONUT AV
WAGON RD
HORSESHOE CT
FRIDAY LN
OFFSHORE LN
JAMES RD
N PACER LN
CEE LN
TROTTERS TR
RANCHWOOD DR
JANET RD
SHADY HAMMOCK LN
QUIET LN
FOX TRAIL CT
MARSHALL CT
PADDEN CT
BURKE CT
QUAIL PATH RD
DUTCHESS PL
NORTH FRIDAY CIR
EAST FRIDAY CIR
NATURE LN
SCOTT RD
S PACER LN
RECTOR RD
NORMAS FARM LN
ARMADILLO CT
JEREMYS PL
WINSTON DR
DALEHURST DR
SORREL DR
YORKSHIRE RD
JUNIPER CIR
DEVONSHIRE AV
JUNEDALE DR
BEATNIK LN
LITTLE PINE AV
JUNIPER DR
RAYBURN RD
PINYON DR
FREEZER LN
SHADE TREE ST
CRAIG RD
BRITT RD
ALLIGATOR LN
SATURDAY PL
SAXTON RD
MORELY DR
MIKONOS PL
CORFU DR
THIEN THAI LN
MYCROFT DR
TARTON WAY
TALBOT BLVD
OUTER DR
SCENIC DR
LOST LAKE DR
FRIDAY RD
ADAMSON RD
SARATOGA LN
EXTRAVAGANT CT
TASHA LN
HYDRO AGE LN
PINE CONE PL
PINE TREE PL
FISHERMANS PL
MONDAY LN
BRUSH LN
HILBURN LN
MYWAY LN
TERRI LN
DELYS ST
GARY RD
HOOPER RD
COOPER DR
IVY DR
COLLEGE AV
AMHERST CT
HIGH ST
FRANKIE LN
ECSTASY CIR
BAGGETT PL
FLEETWOOD PL
FENTON WAY
TOWNSEND RD
RIGHT ST
CARLEY LN
N BURNETT RD
FENNER RD
COCOANUT DR
STRATFORD DR
DIANNE DR
VICTOR RD
OAK HAVEN LN
COUNTRY LANE DR
CRESCENT DR
OLLIE ST
CYPRESS LN
MYRTLE LN
WILLOW LN
JAPONICA LN
CRESTVIEW RD
MEDITERRANEAN LN
COCOA PL
SUNHOME ST
SHADY LN
BROADCAST CT
VAGABOND ST
RITZCRAFT ST
A ST
PINERIDGE RD
WARREN AV
N FISKE BLVD
BRISTOL DR
FORREST AV
N INDIAN RIVER DR
HENDRY AV
AVON PL
TERRACE ST
ATKINSON ST
MITCHELL ST
PARK DR
OLIVE ST
SUNRISE ST
HIGHLAND ST
CARMALT ST
SCHOOL ST
LAKE DR
FERN ST
GROVE AV
PEACHTREE ST
WEST PEACHTREE ST
W KING ST
MULBERRY ST
CENTER ST
KING ST
DERBY ST
SUTTON ST
LITTLEJOHN LN
ROCKLEDGE DR
BOUGANVILLEA DR
LOCH NESS DR
ROCKLEDGE BLVD
CYNTHIA DR
BREVARD AV
SOUTH ST
ST JOHNS ST
LEGION LN
HUGHLETT AV
FLORIDA AV
DELANNOY AV
S COCOA BLVD
BLAKE AV
LOQUAT AV
WASHINGTON ST
W RAILROAD AV
BARBARA JENKINS ST
BERNARD ST
KNIGHT AV
ROSA L JONES DR
JACKSON ST
VIRGINIA AV
AURORA ST
AMALFI DR
SORRENTO DR
CARISSA AV
S GEORGIA AV
S KENTUCKY AV
DONLEY ST
AVONDALE RD
PINSON BLVD
HUNTINGTON LN
REVILLA LN
GROVES DR
TRINITY ST
DOLPHIN DR
HAYDEN RD
ALSUP DR
SCOUT DR
SLOANE CT
PASO FINO LN
MUSTANG LN
PLUCKEBAUM RD
PROVIDENCE RD
MULLET LN
EGRET RD
MALLARD RD
JUNE DR
AMBER LN
LAKE POINSETT RD
BRADBIE LN
BEECHWOOD CIR
CAPE AV
LOBLOLLY PL
FLAMINGO DR
MAGNOLIA CT
S DENTON CIR
E LAKE VIEW BLVD
LAKE CIR
MEADOWLARK ST
FIG ST
BLUEBILL ST
PINTAIL DUCK WAY
WOOD CIR
PARRISH RD
STOWE LN
S BURNETT RD
KYLE LN
S RANGE RD
WILLEKE LN
MARTINO WAY
GRIFFIN DR
LOIS LN
LAZY LN
SALDON LN
TRANQUILITY LN
KIMBERLY ST
MOBILE AV
PINE AV
BAY AV
ANNE AV
THOMAS AV
CHURCHILL DR
PROSPECT AV
N WILSON AV
SHEARER BLVD
WOODLAKE AV
ROSEWOOD DR
TEAK AV
MAPLEWOOD BLVD
ISSAC AV
TUCKER LN
ROBESON RD
BROPHY BLVD
DENSON ST
LAKE VIEW BLVD
SUN DIAL CT
LINCOLN RD
CHARLEMEES
A LN
H P LN
GARY HUNT RD
RIDGE DR
N RANGE RD
IONA DR
CATAWBA DR
MERCER DR
CAMBRIDGE DR
HILLSDALE DR
DONNA AV
DIXON BLVD
CAMBRIDGE DR
CAMBRIDGE DR
CAMBRIDGE DR

Map M-I-9: Enterprise Zones and Special Economic Development Districts



Map M-I-10: Energy Conservation Areas Map





COCOA
FLORIDA

N

Energy Conservation Areas Map

July 18, 2025

Future Land Use

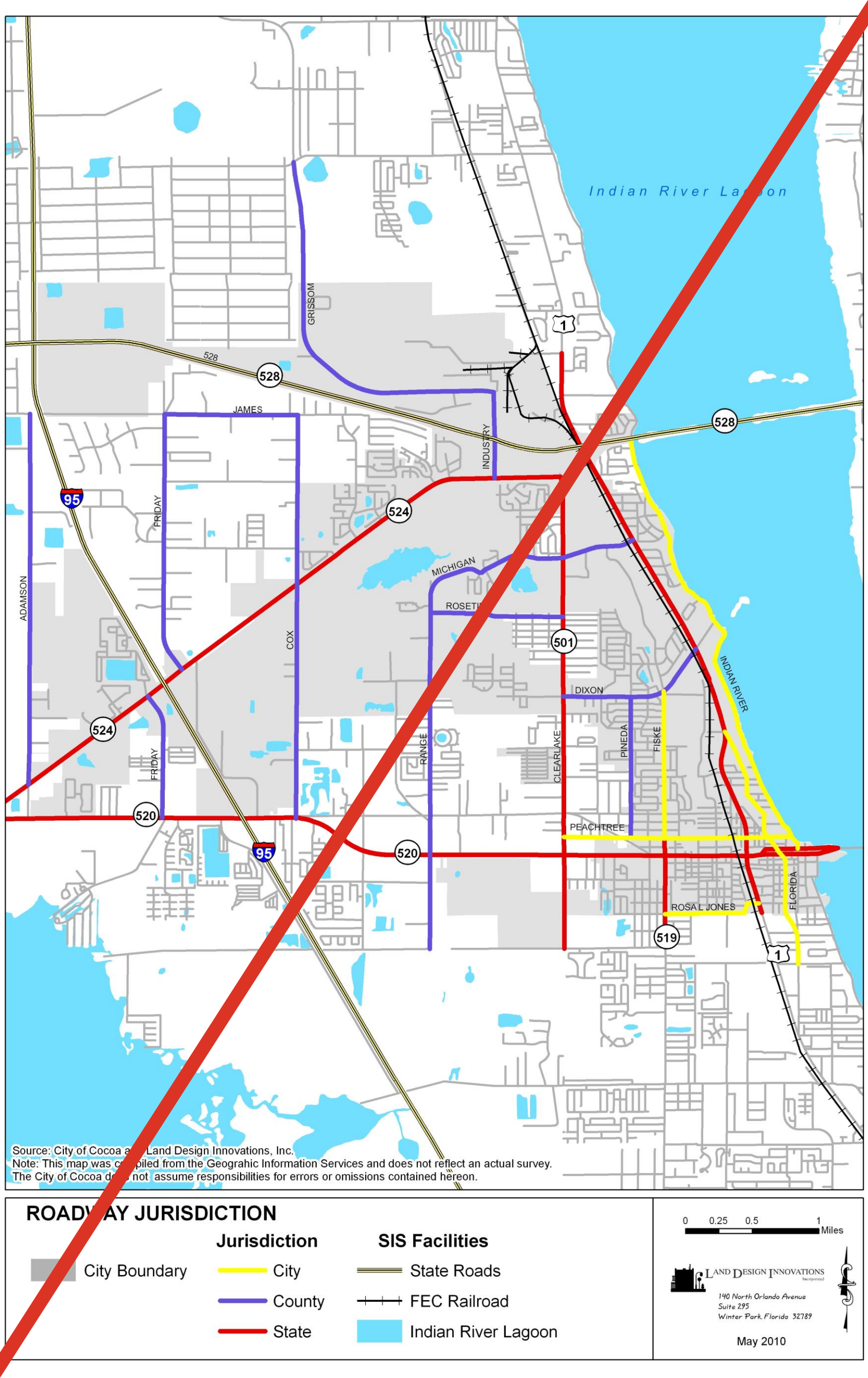
- Mixed Use
- Conservation
- Regional Activity Center
- Cocoa City Boundary

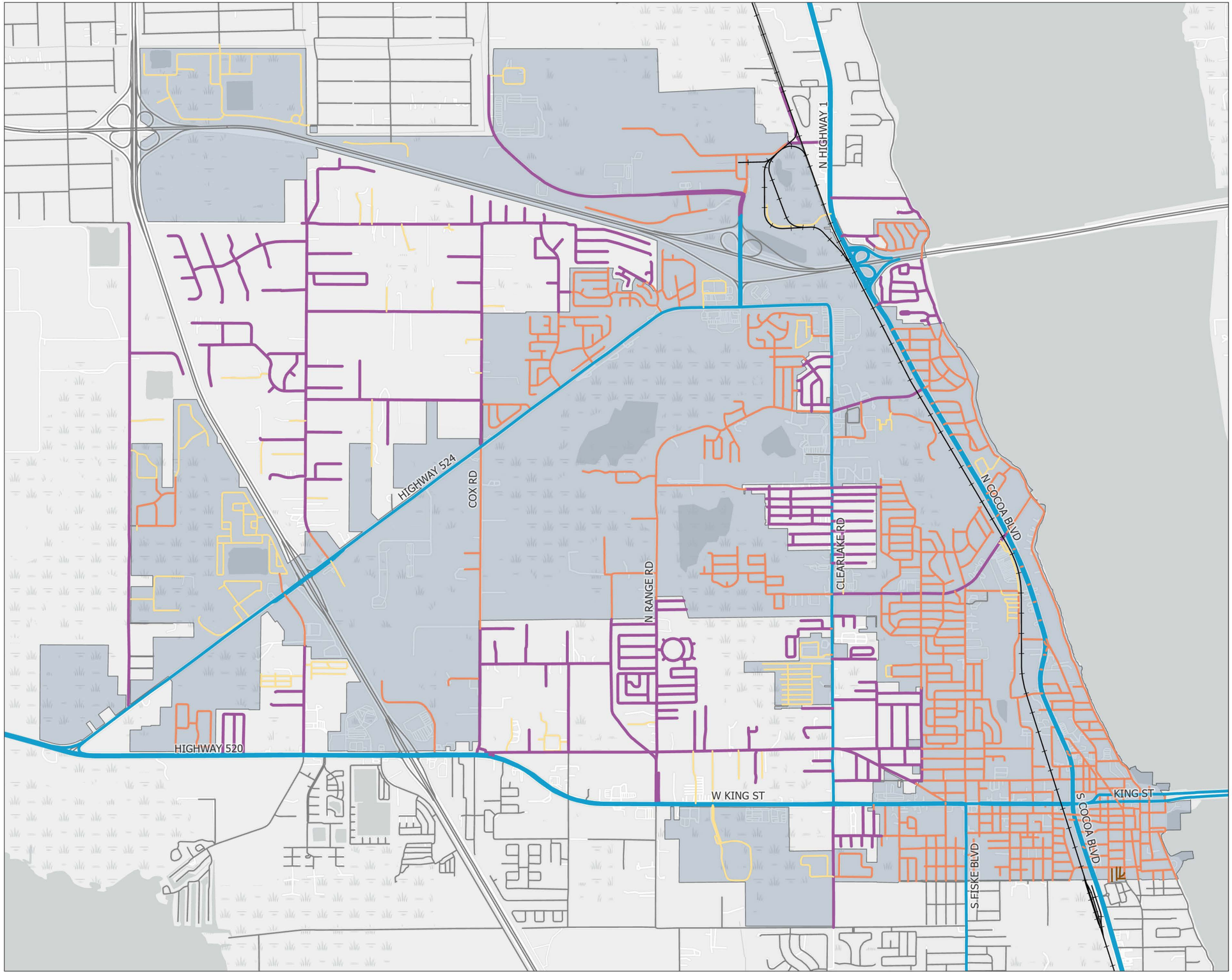
0 0.5 1 Mile

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Map M-I-10

Map M-II-1: Roadway Jurisdiction Map





COCOA
FLORIDA

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Roadway Jurisdiction Map

July 18, 2025

Cocoa Roadways
Authority

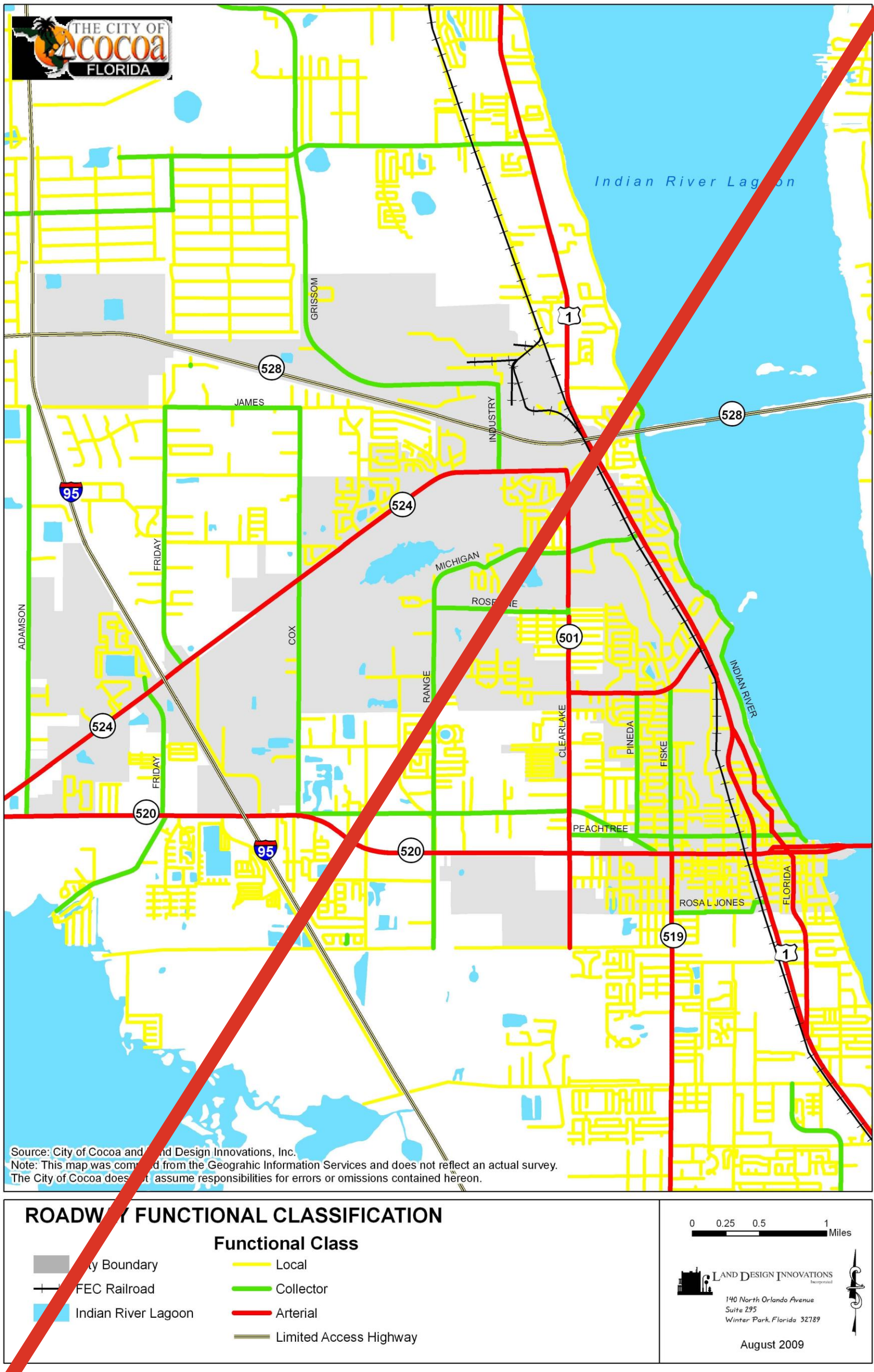
- State Maintained
- County Maintained
- City Maintained
- Privately Maintained
- Non-City Roads
- Railroad
- Cocoa City Boundary

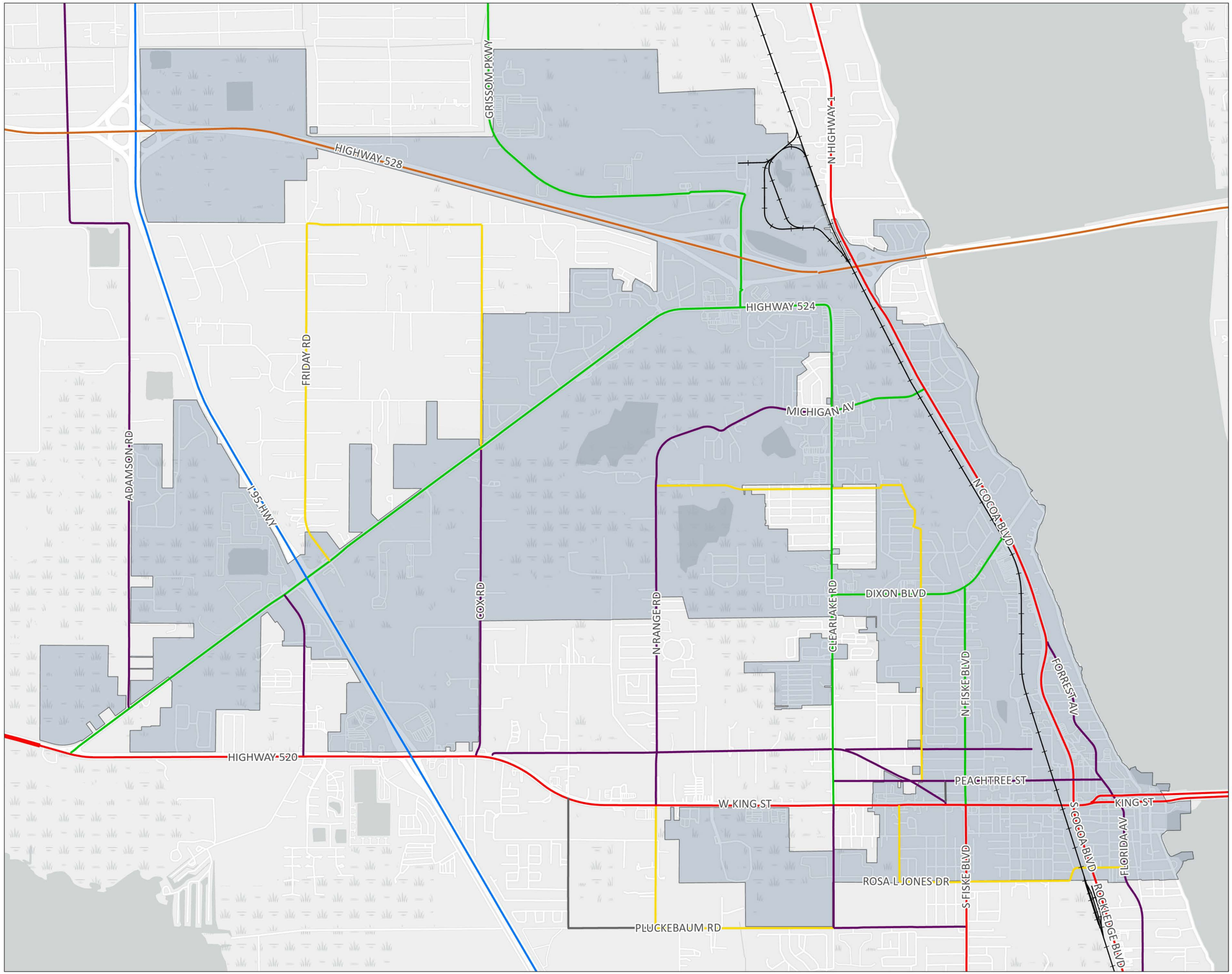
0 0.5 1 Mile

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Map M-II-1

Map M-II-2: Functional Roadway Classification Map





COCOA
FLORIDA

N

Roadway Functional Classification Map

July 21, 2025

Functional Classification

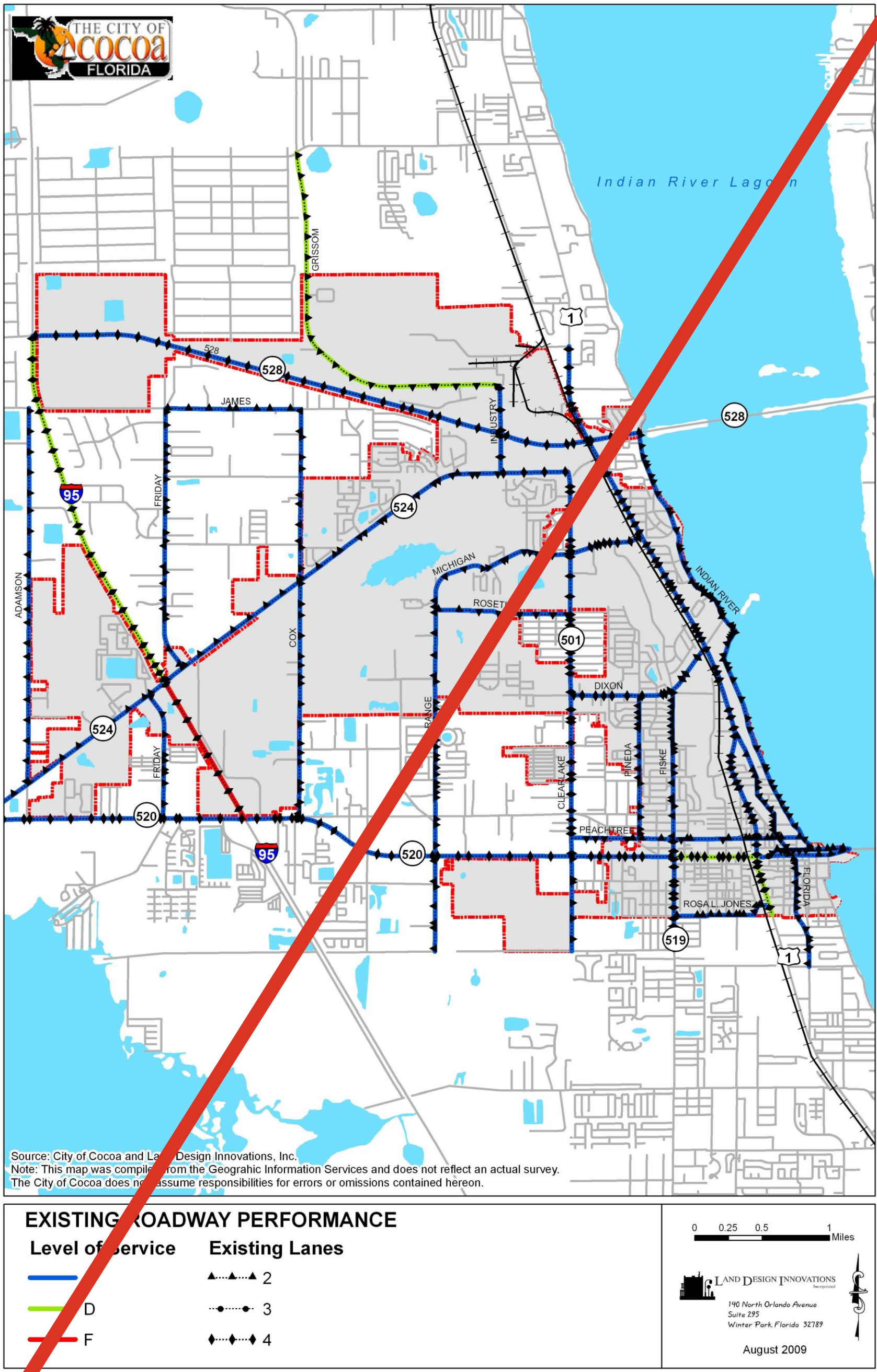
- 04 - Principal Arterial-Other RURAL
- 11 - Principal Arterial-Interstate URBAN
- 12 - Principal Arterial-Freeway and Expressway URBAN
- 14 - Principal Arterial-Other URBAN
- 16 - Minor Arterial URBAN
- 17 - Major Collector URBAN
- 18 - Minor Collector (Fed Aid) URBAN
- 19 - Local URBAN
- Railroad
- Cocoa City Boundary

0 0.5 1 Mile

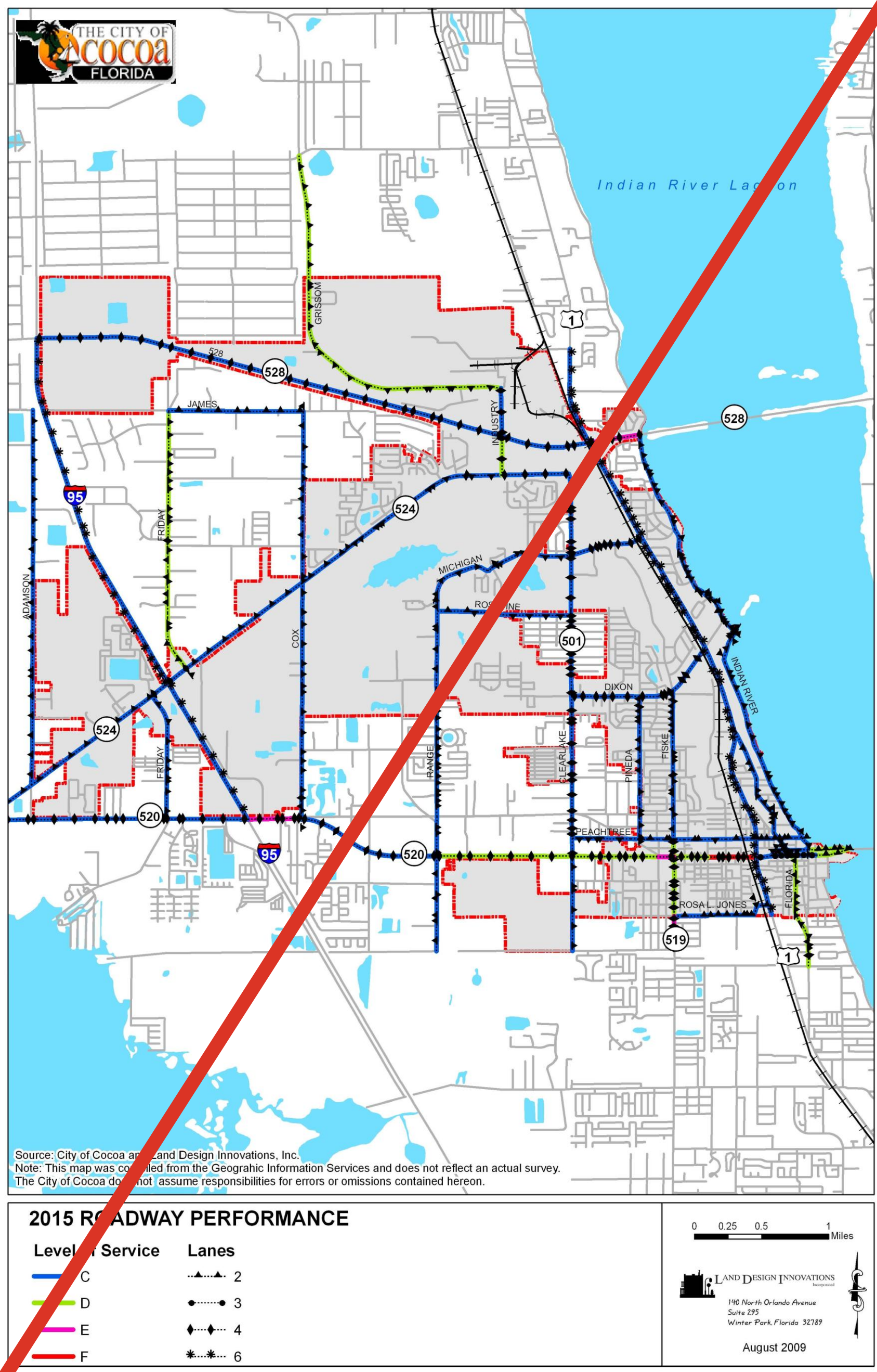
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Map M-II-2

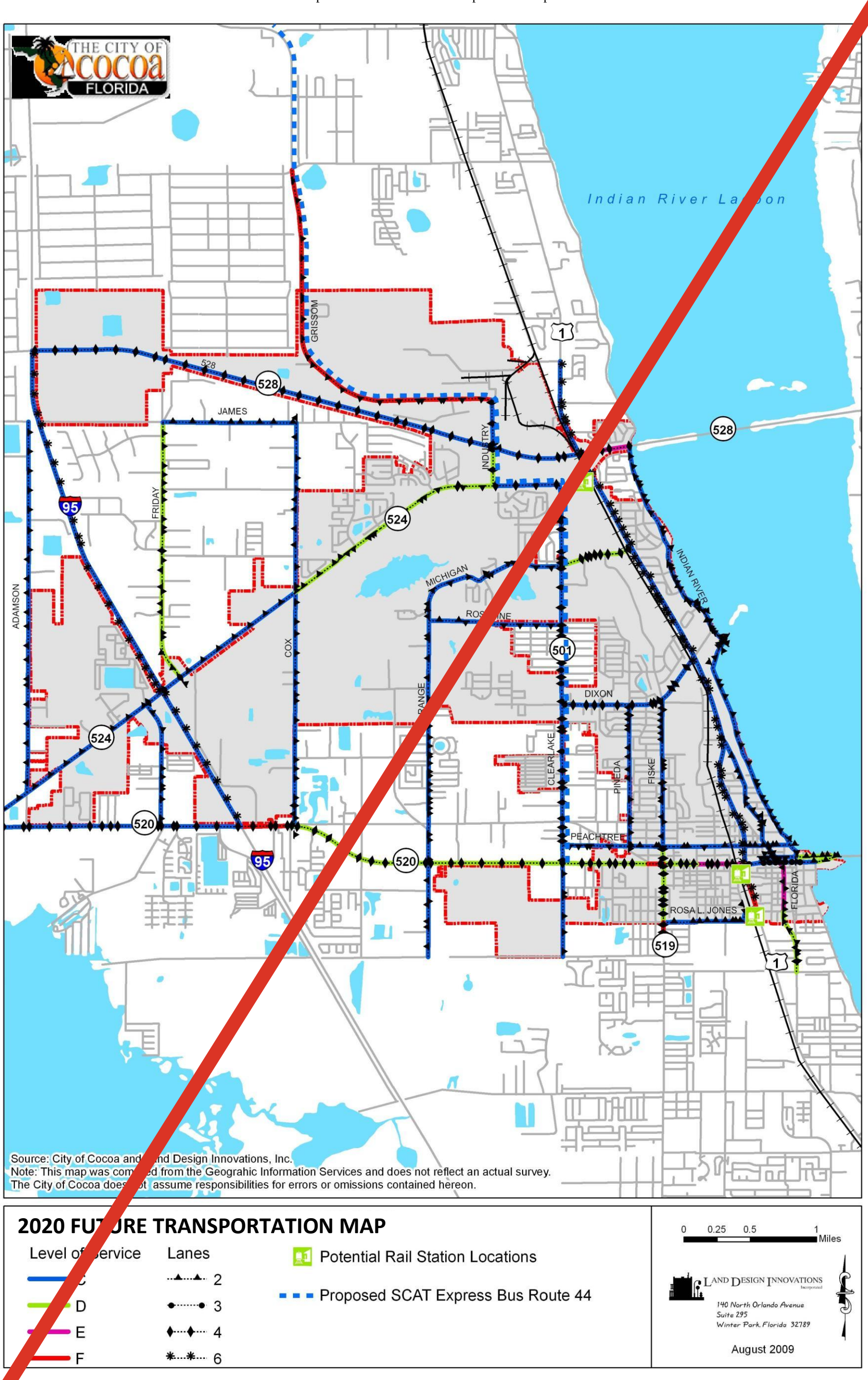
Map M-II-3: Existing Roadway Performance Map



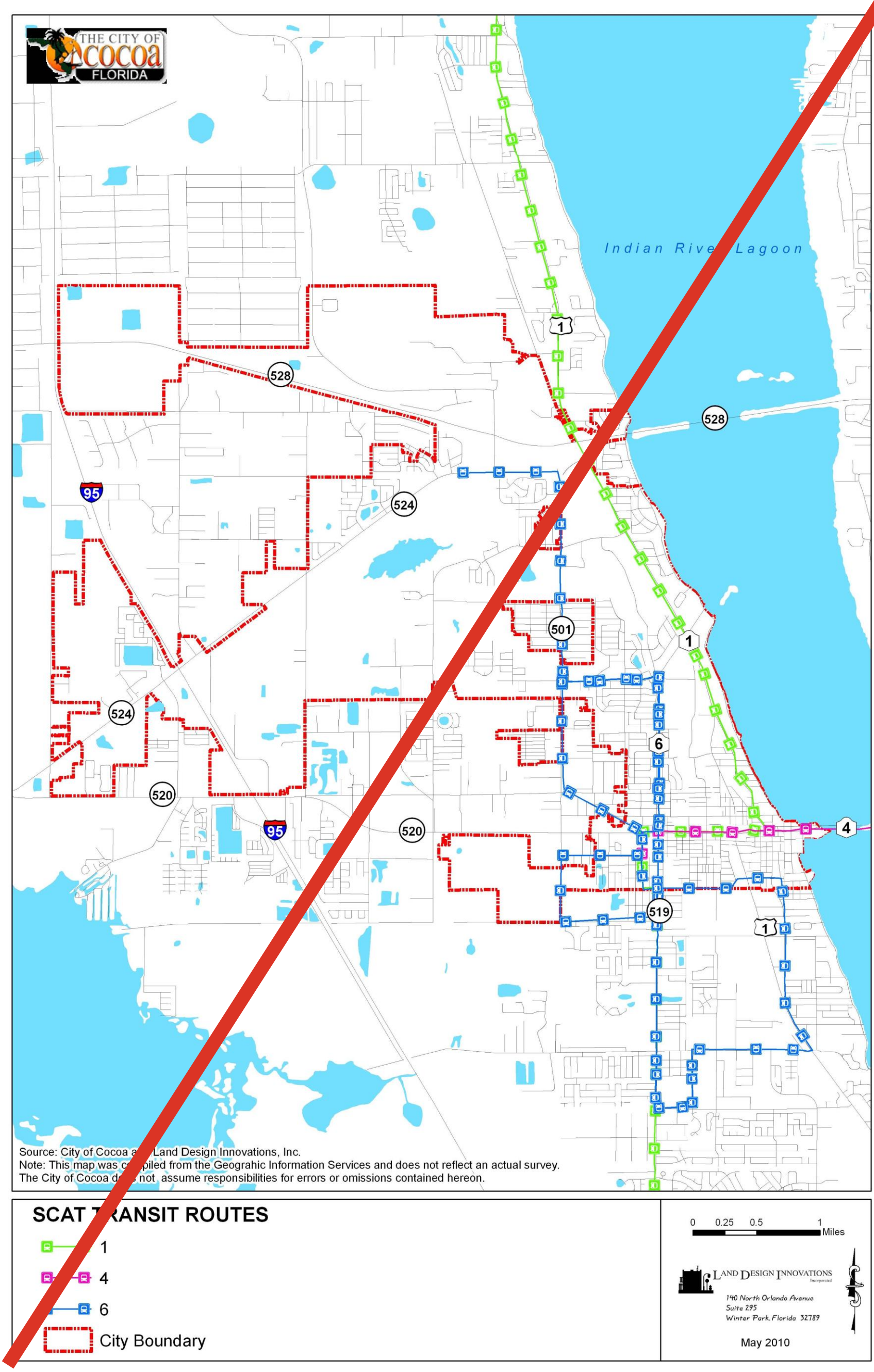
Map M-II-4: 2015 Projected Roadway Performance Map



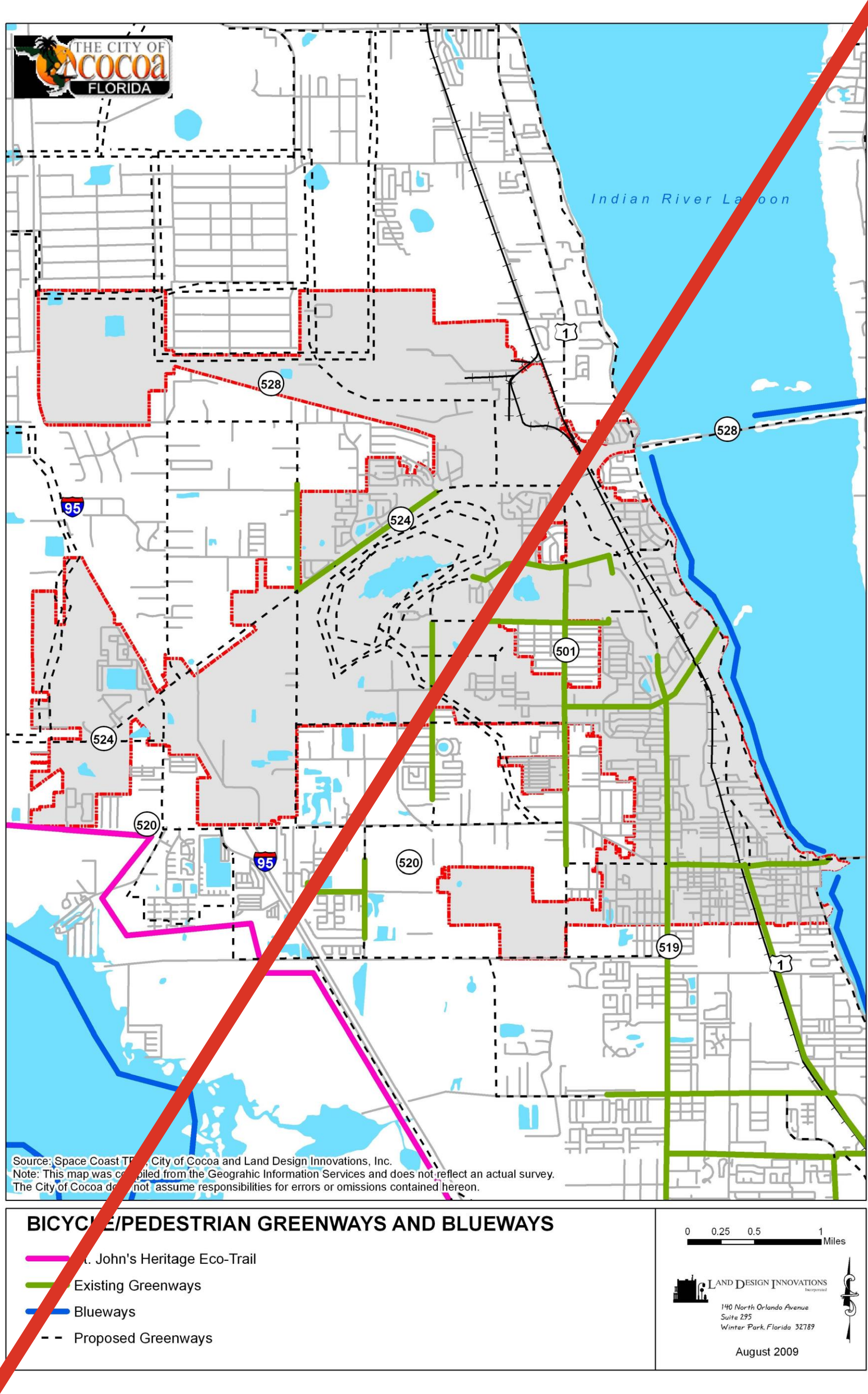
Map M-II-5: 2020 Future Transportation Map



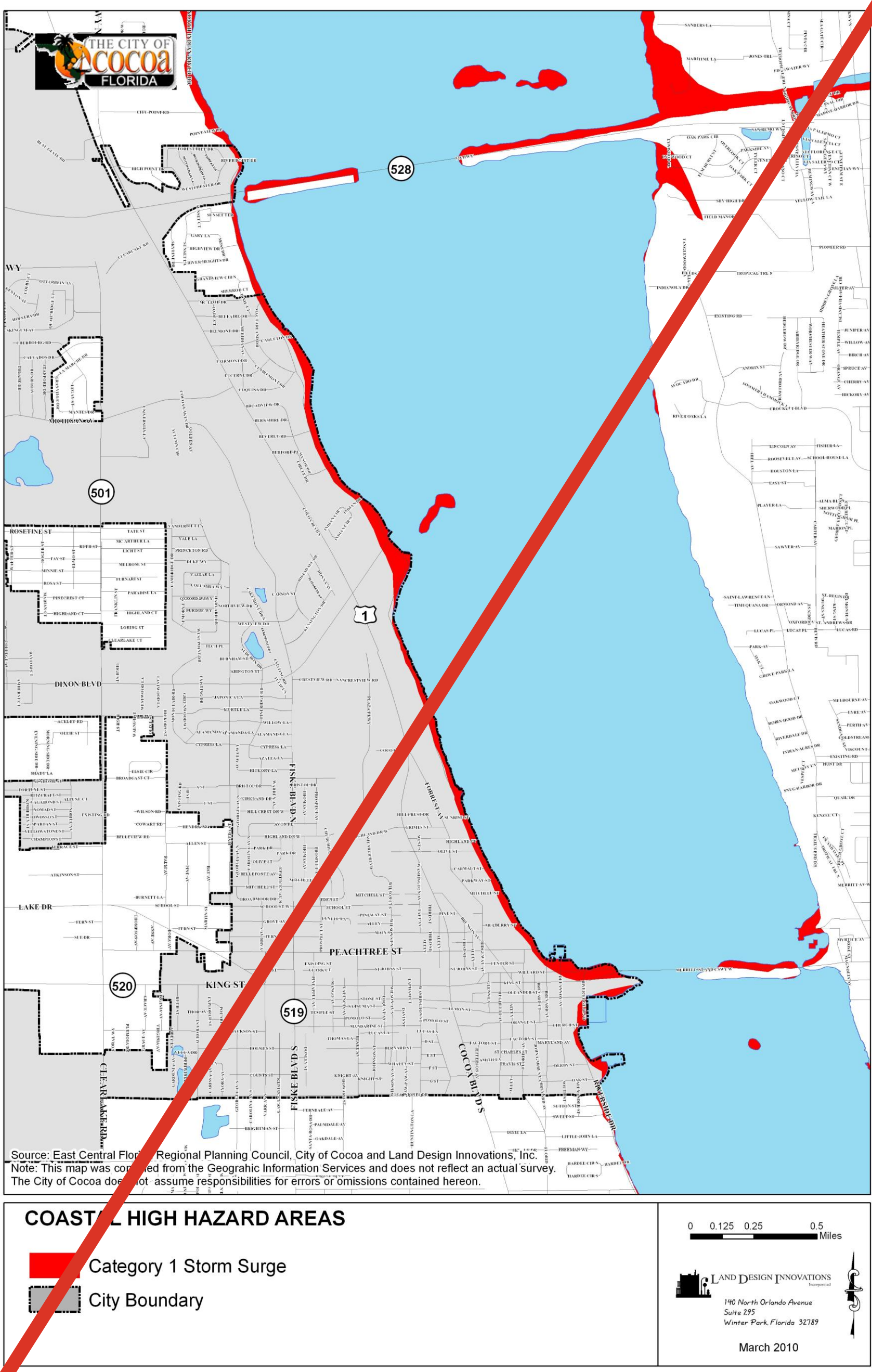
Map M-II-7: Space Coast Area Transit Routes Map

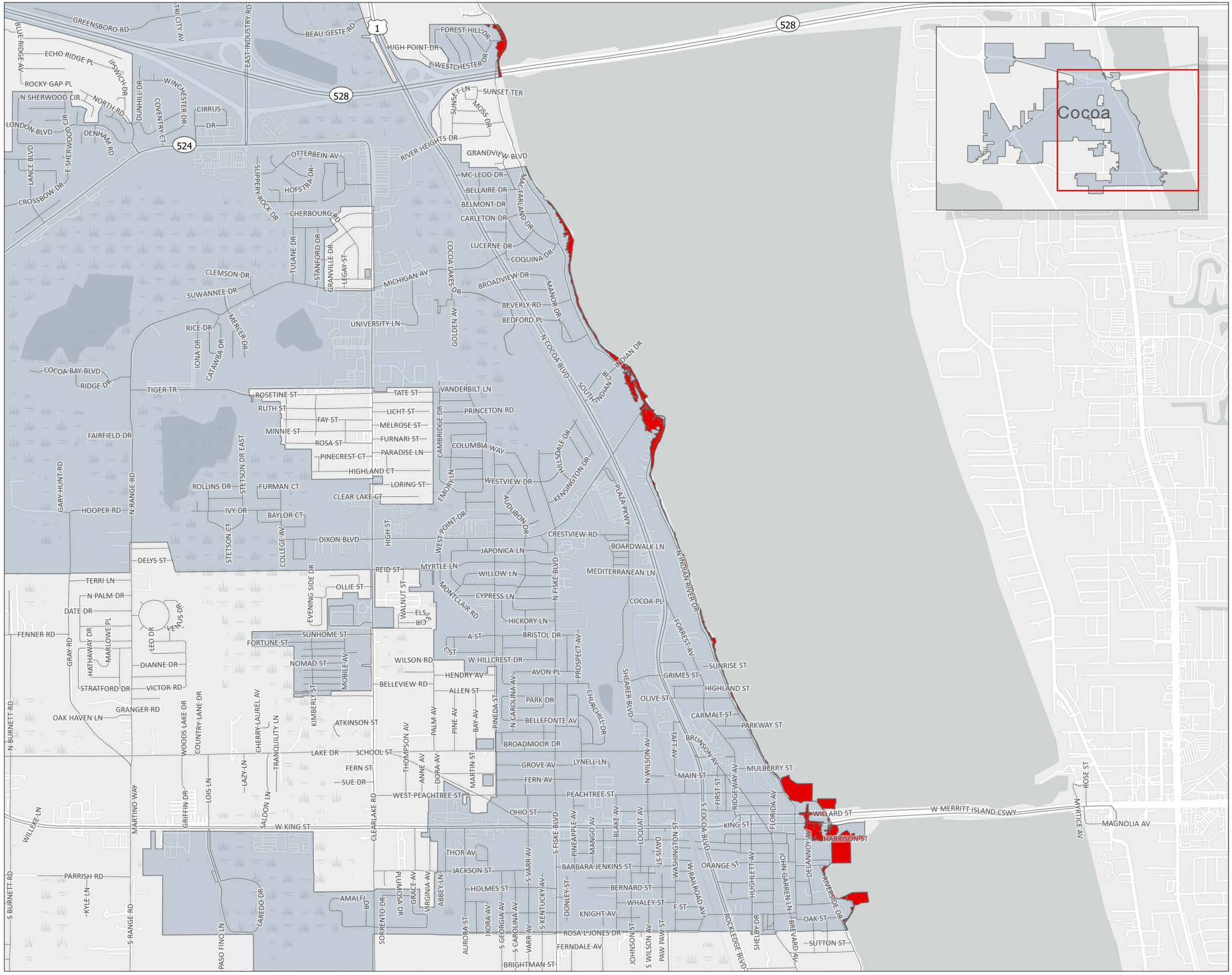


Map M-II-8: Bicycle/Pedestrian Greenways and Blueways Map



Map M-IX-2: Coastal High Hazard Area





Coastal High Hazard Area Map

July 28, 2025

N

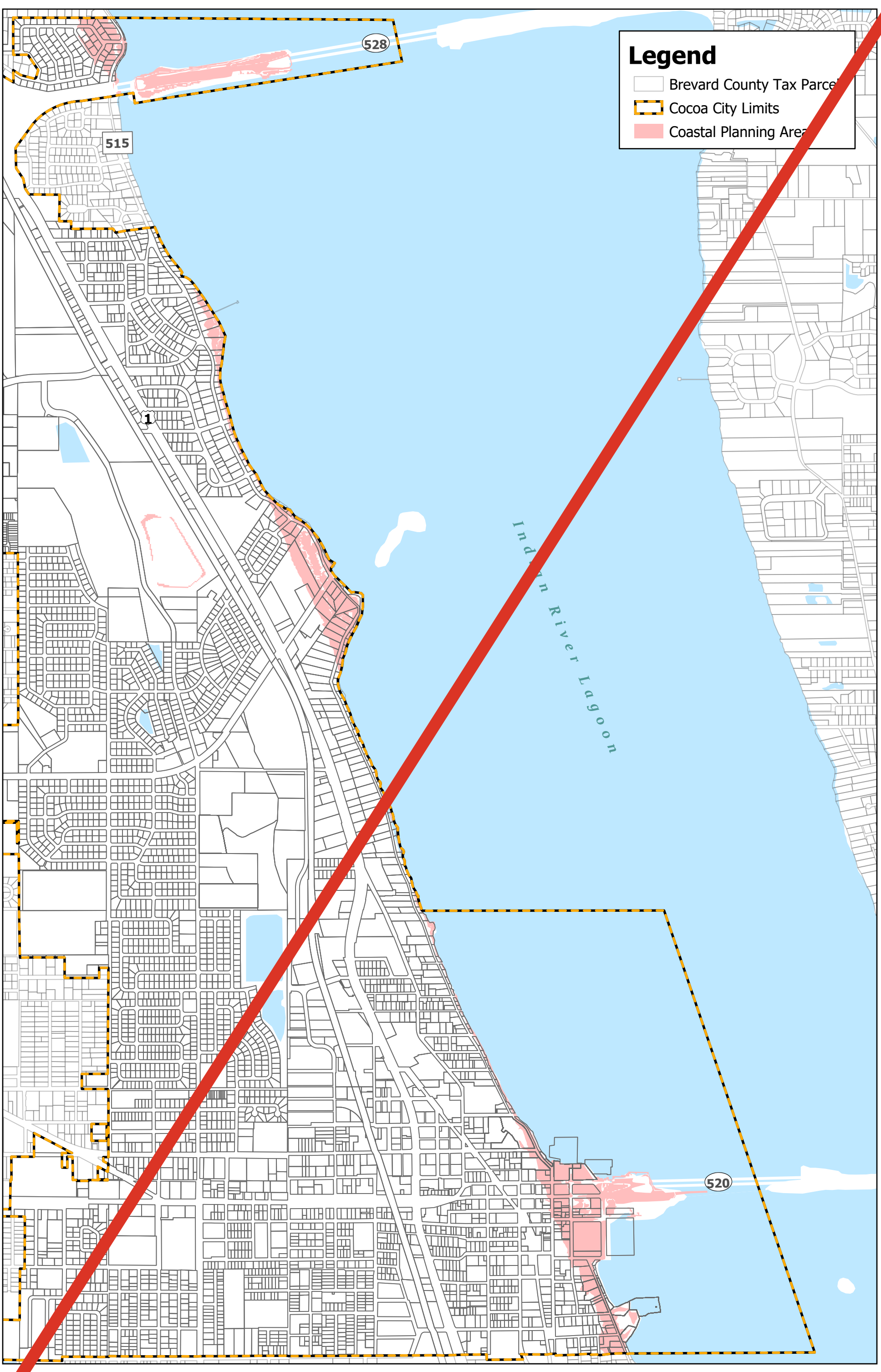
Category 1 Storm Surge

Cocoa City Boundary

0 0.5 1 Mile

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Map M-IX-2



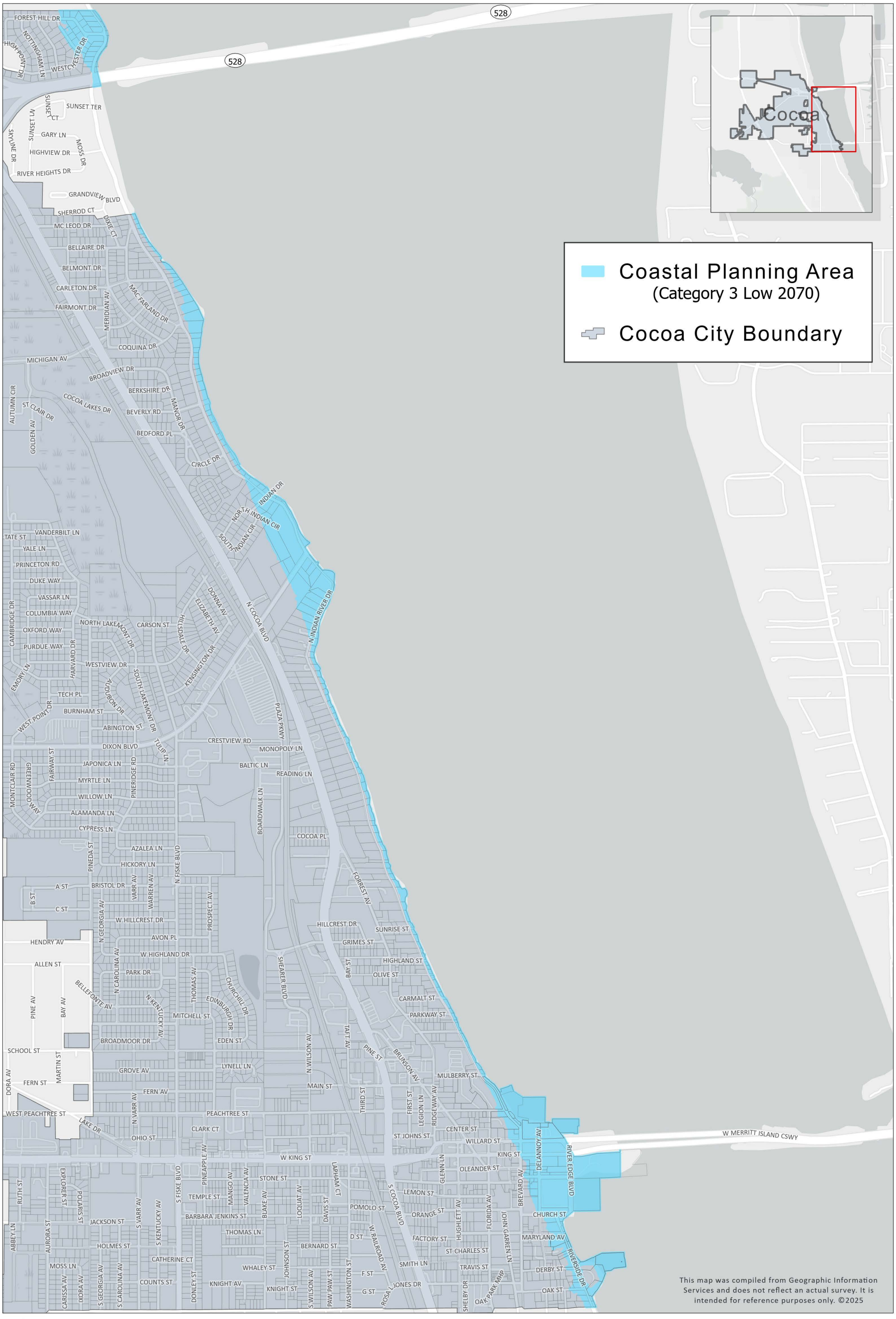
0 650 1,300 Ft.

S&ME, Inc. | 1615 Edgewater Drive, Suite 200 | Orlando, FL 32804 | p 407.975.1273 | www.smeinc.com

Path: \\orlfl\Active\Projects\2019\P&D\5271-19-044_Cocoa EAR-Based Amendments\GIS\Projects\Coastal_Area.aprx

CM-1: Coastal Planning Area Map

COCOA FLORIDA



Coastal Planning Area Map

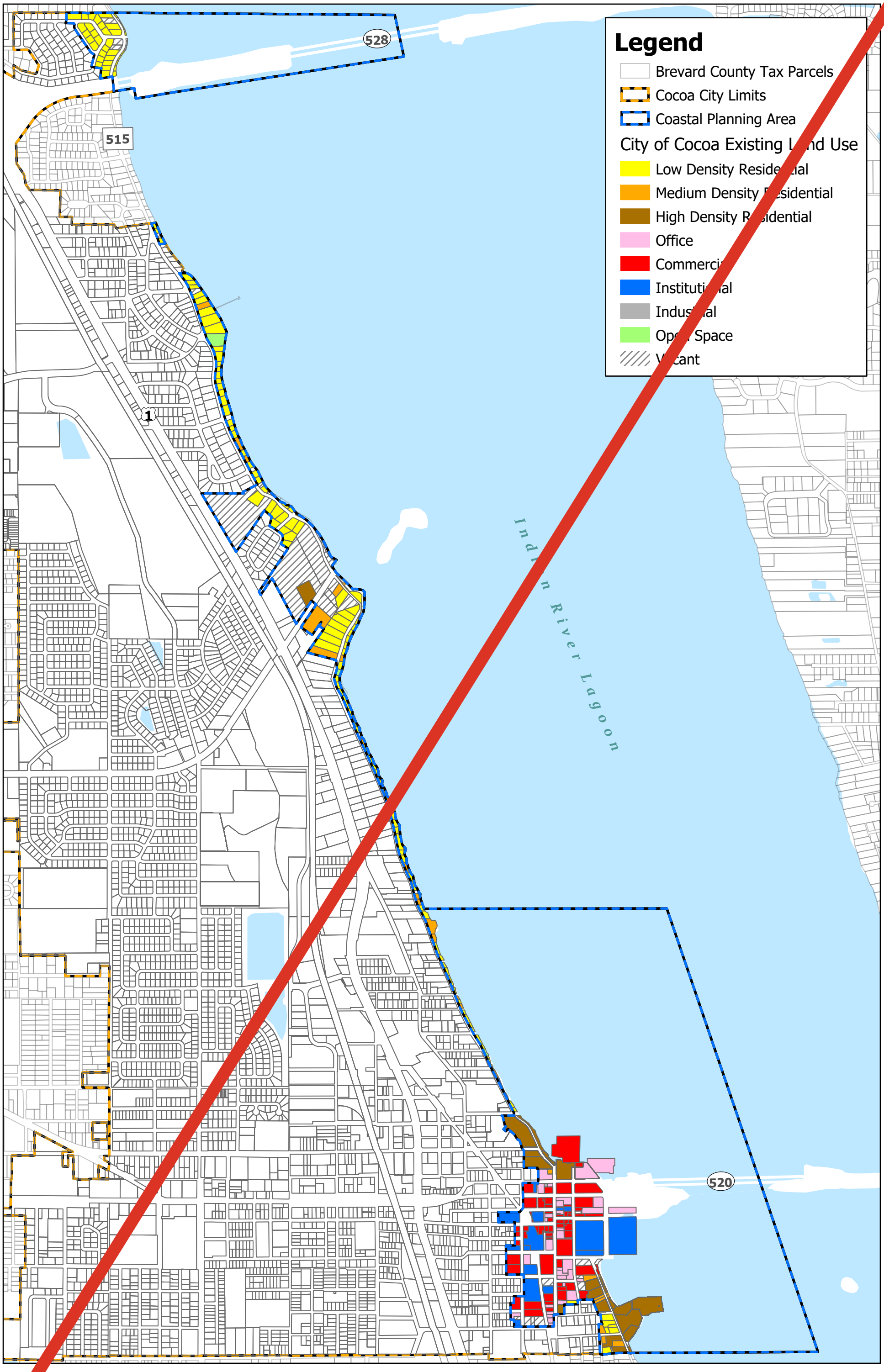
N

0 0.25 0.5 Mile

Map CM-1

July 30, 2025

COCOA FLORIDA



0 650 1,300 Ft.

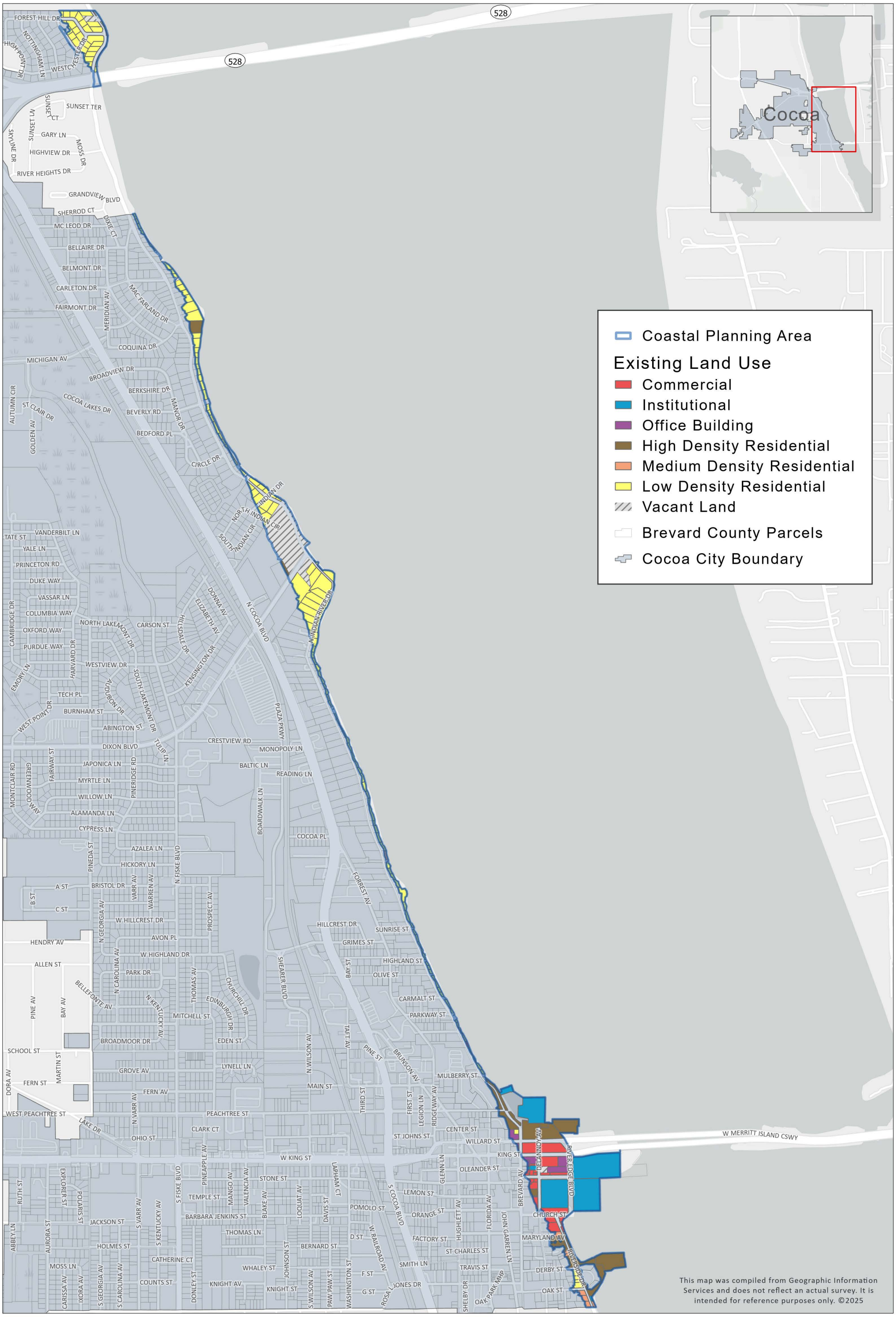
S&ME, Inc. | 1615 Edgewater Drive, Suite 200 | Orlando, FL 32804 | p 407.975.1273 | www.smeinc.com

T:\Projects\2019\P&D\5271-19-044_Cocoa EAR-Based Amendments\GIS\Projects\ELU_Coastal Area.aprx

CM-2: Existing Land Use

Within the Coastal Planning Area

COCOA FLORIDA



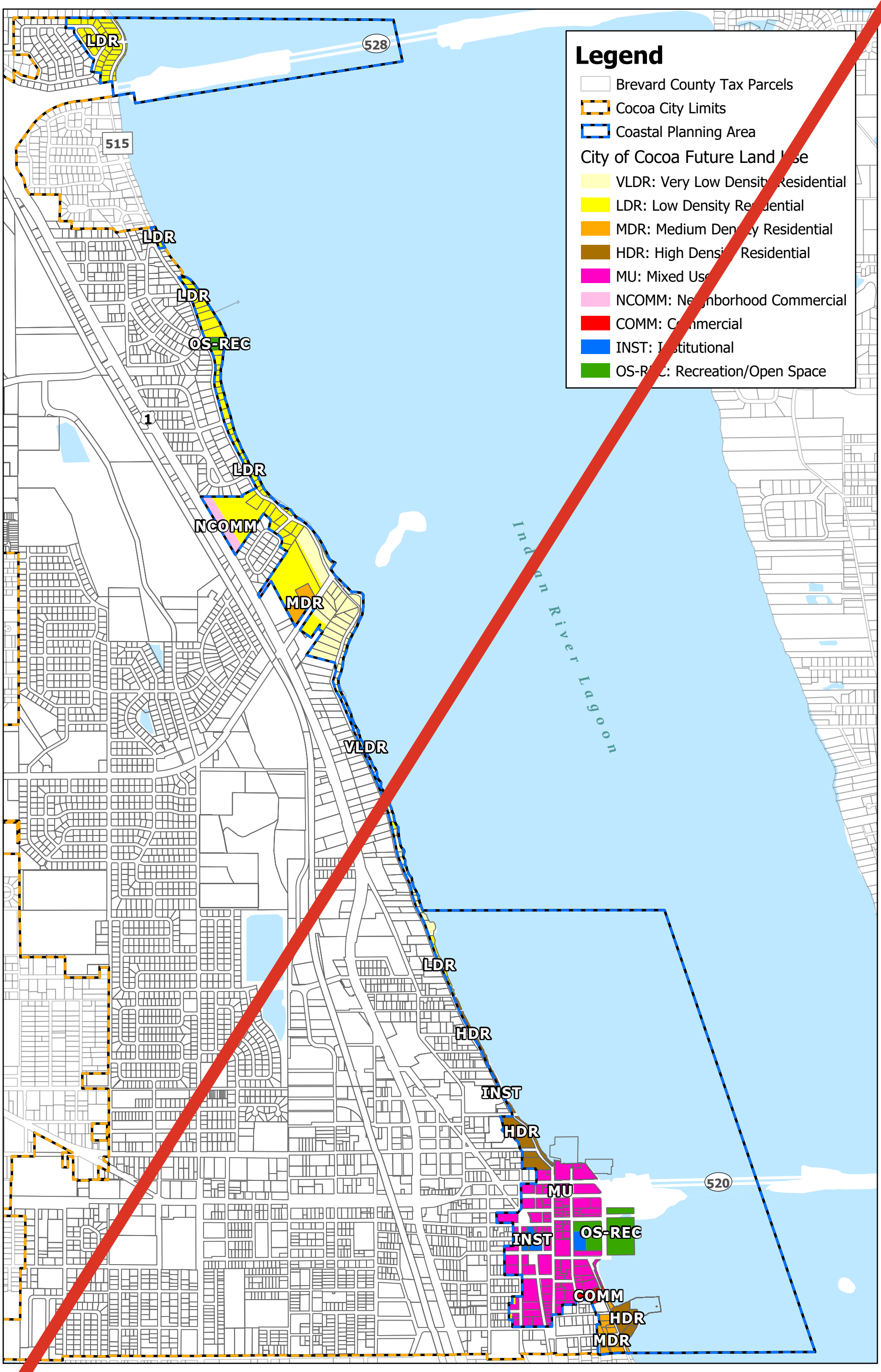
Existing Land Use within the Coastal Planning Area

Map CM-2

July 29, 2025

N

0 0.25 0.5 Mile



0 650 1,300 Ft.

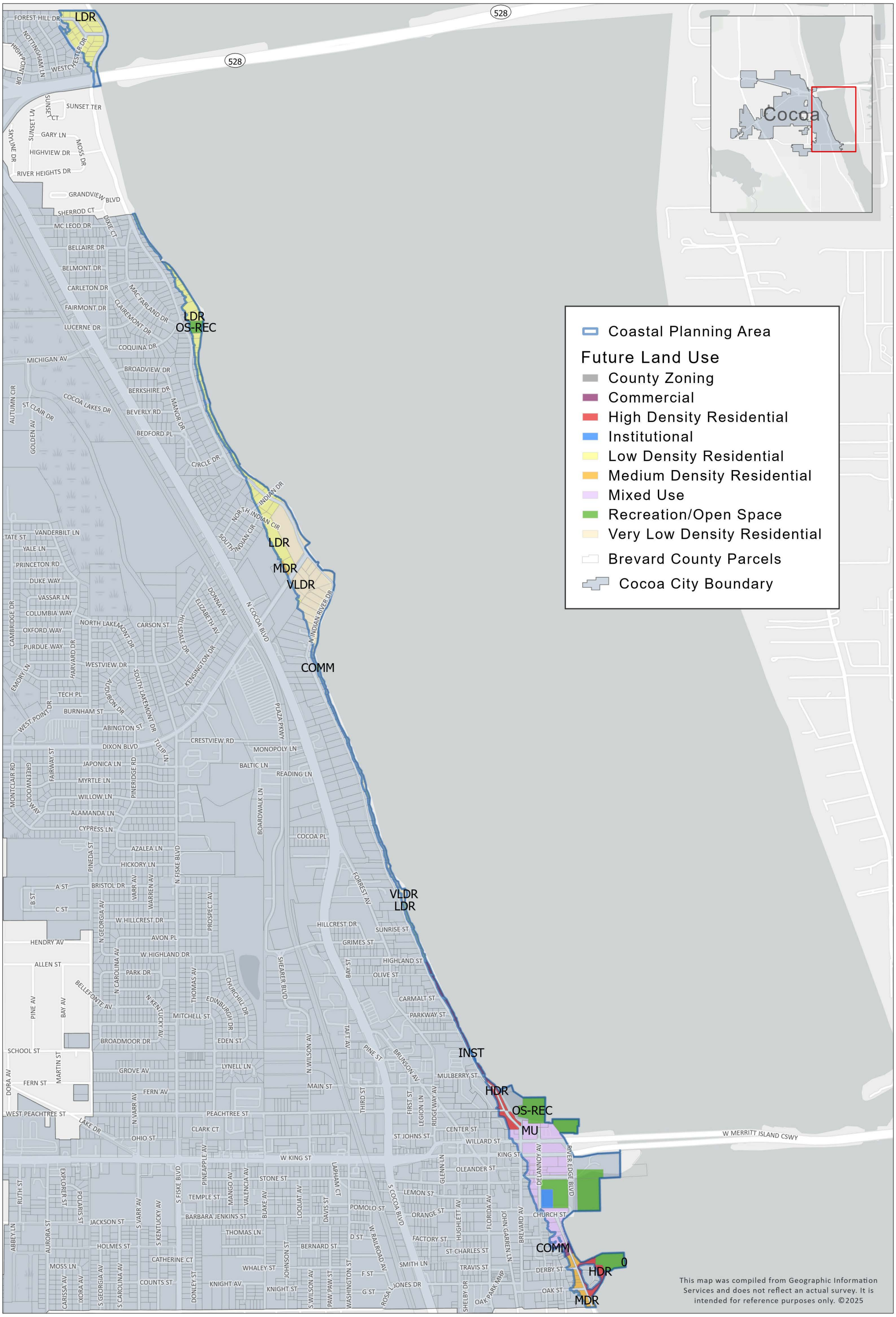
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CM-3: Future Land Use

Within the Coastal Planning Area

COCOA FLORIDA



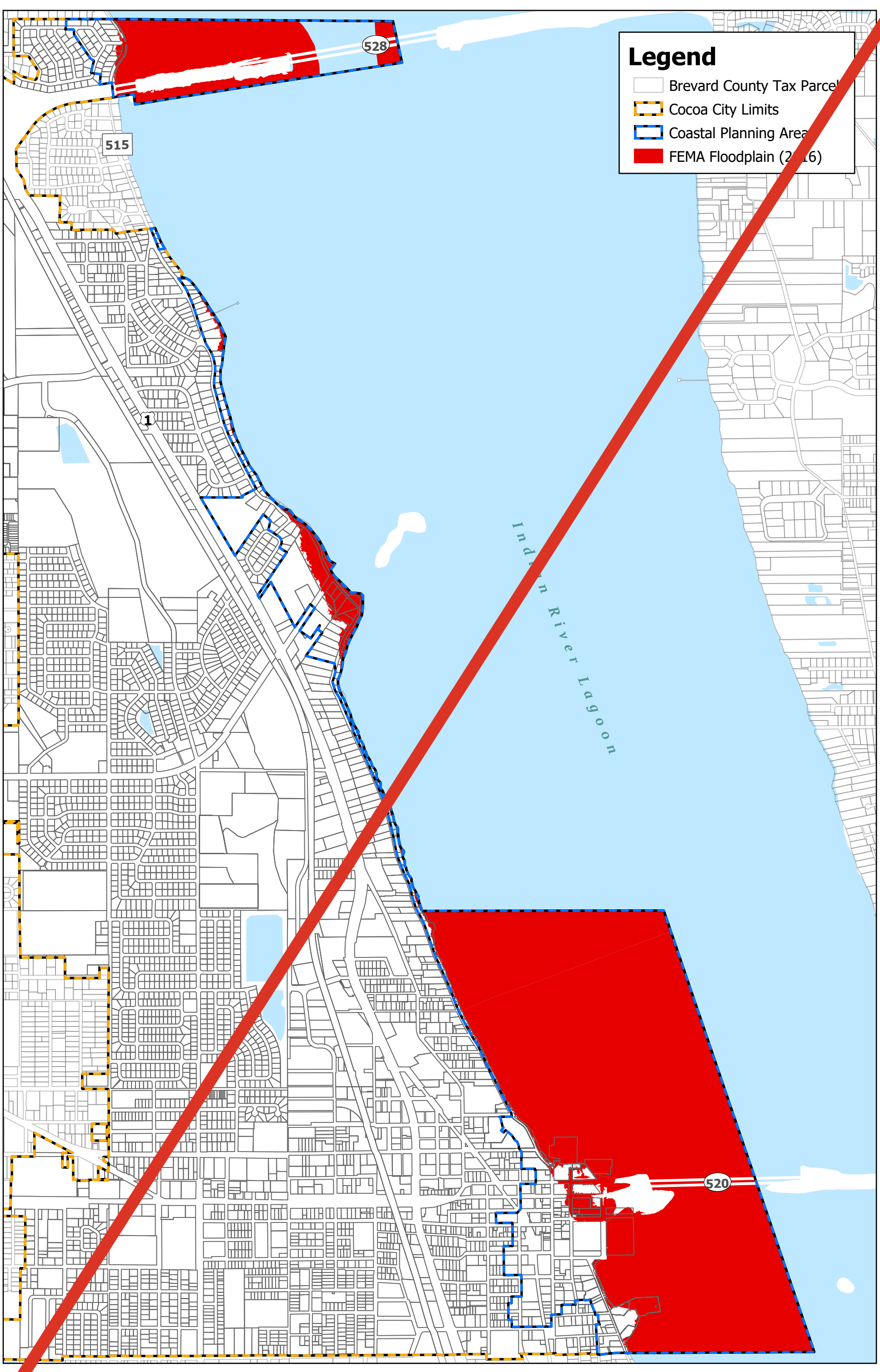
Future Land Use within the Coastal Planning Area

Map CM-3

July 29, 2025

N

0 0.25 0.5 Mile



0 650 1,300 Ft.

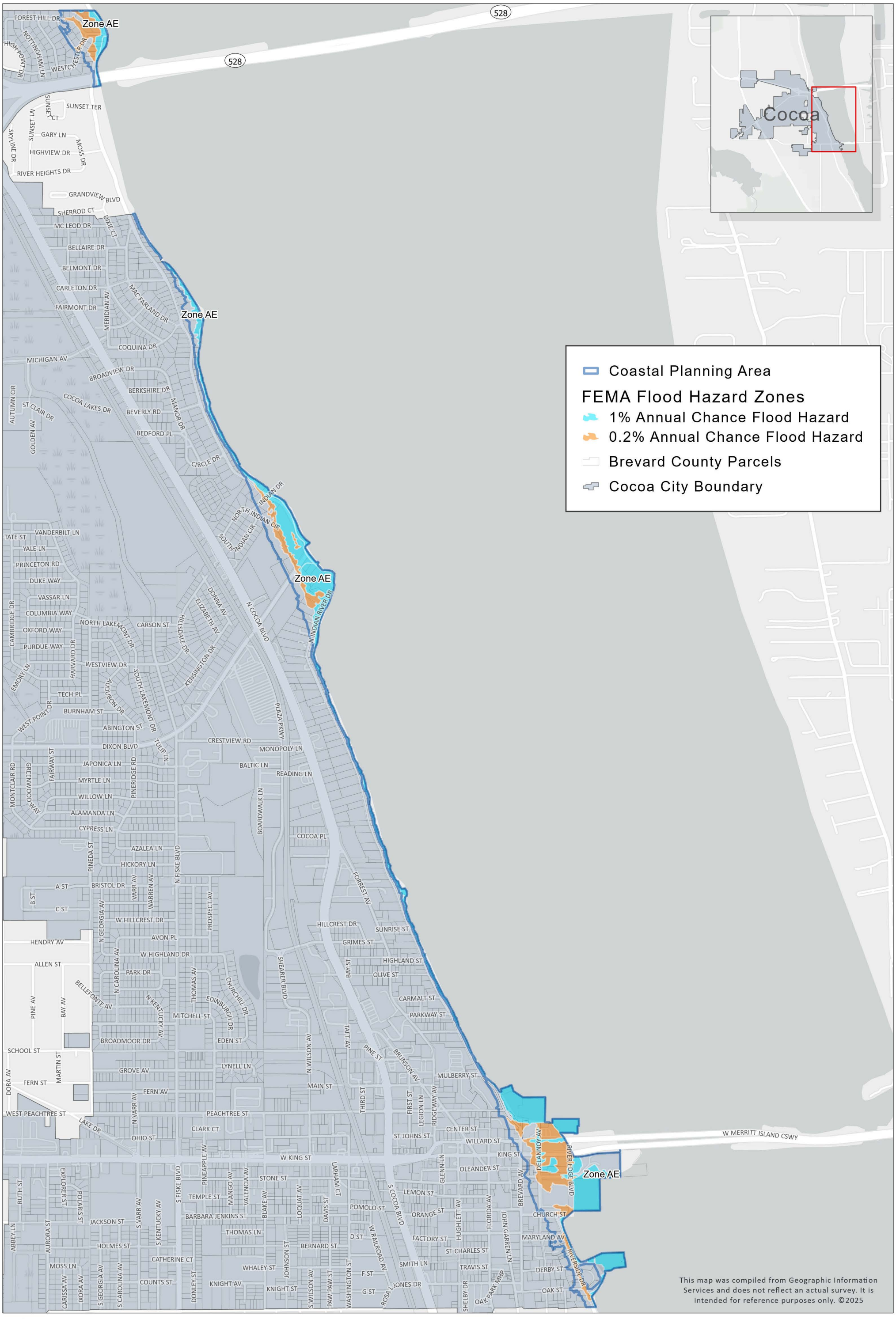
S&ME, Inc. | 1615 Edgewater Drive, Suite 200 | Orlando, FL 32804 | p 407.975.1273 | www.smeinc.com

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CM-4: FEMA Floodplain

Within the Coastal Planning Area

COCOA FLORIDA

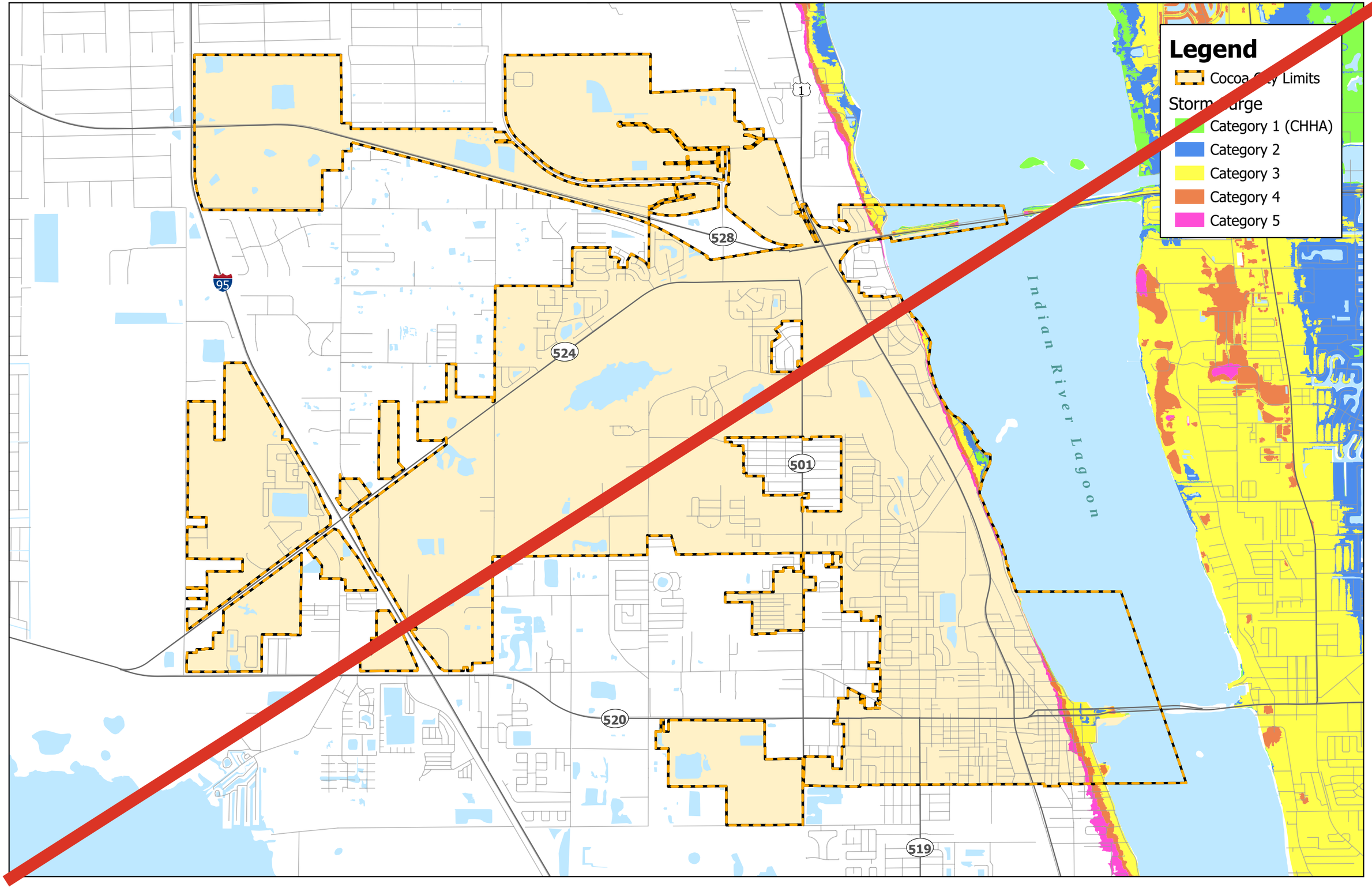


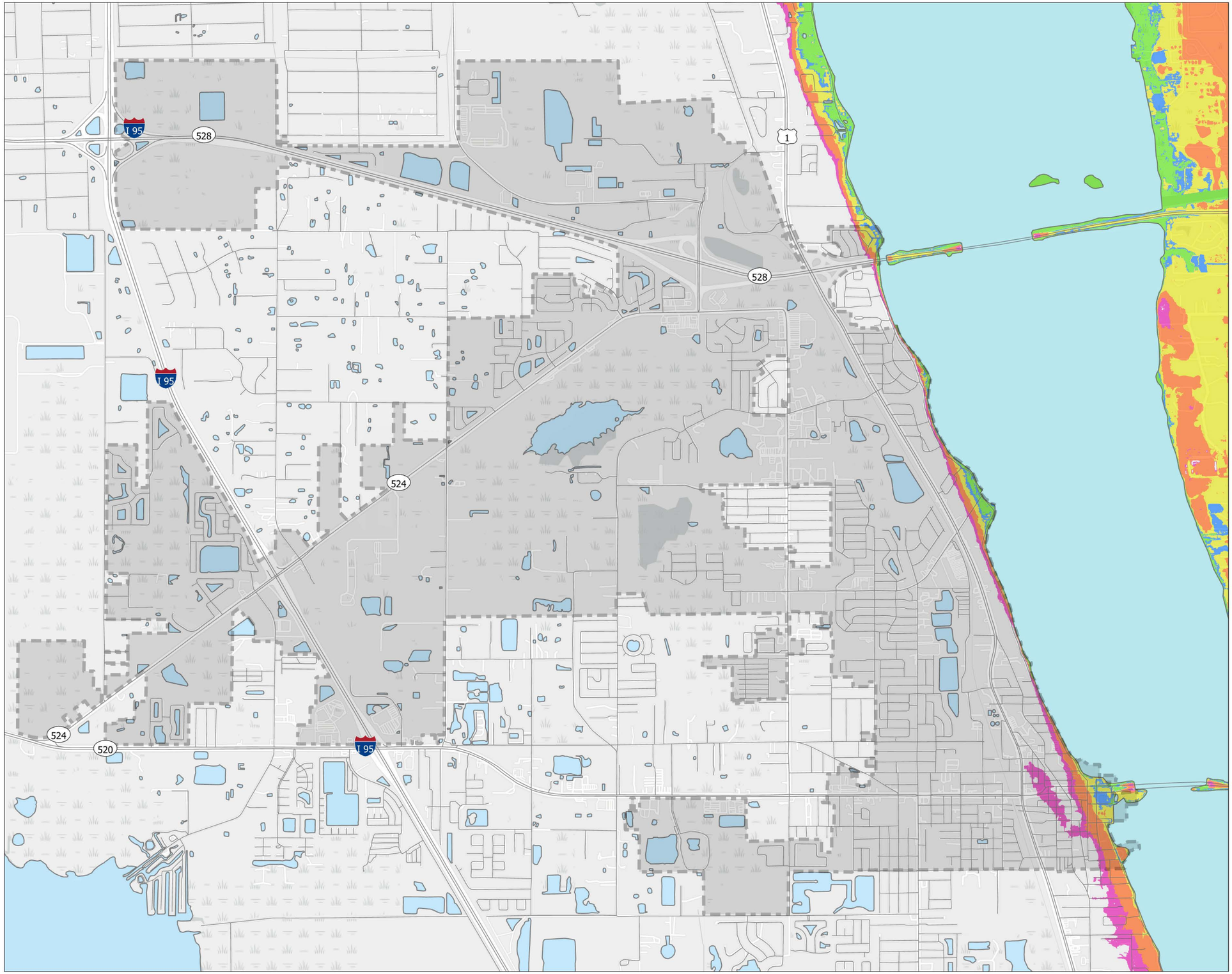
FEMA Floodplain within the Coastal Planning Area

Map CM-4

July 29, 2025

COCOA FLORIDA


Legend
Cocoa City Limits
Storm Surge
Category 1 (CHHA)
Category 2
Category 3
Category 4
Category 5
Indian River Lagoon
95
528
524
501
520
519
1
Surge Hazard Map
Within Cocoa City Limits
0
1,500
3,000
Ft.



COCOA
FLORIDA

N

Surge Hazard Map within Cocoa City Limits

July 28, 2025

Storm Surge

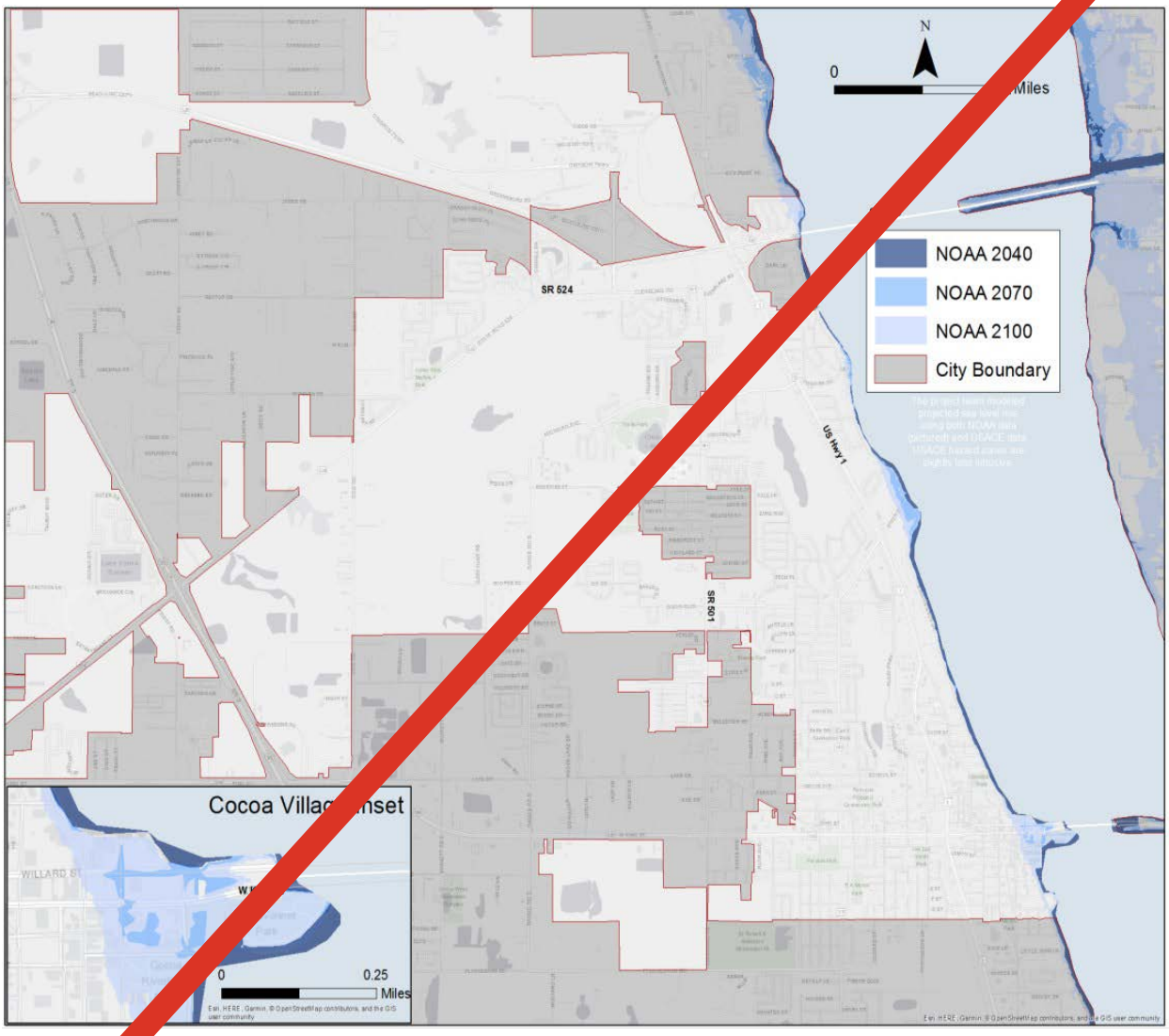
- Category 1 (CHHA)
- Category 2
- Category 3
- Category 4
- Category 5
- Cocoa Waterbodies
- Cocoa City Boundary

0 0.5 1 Mile

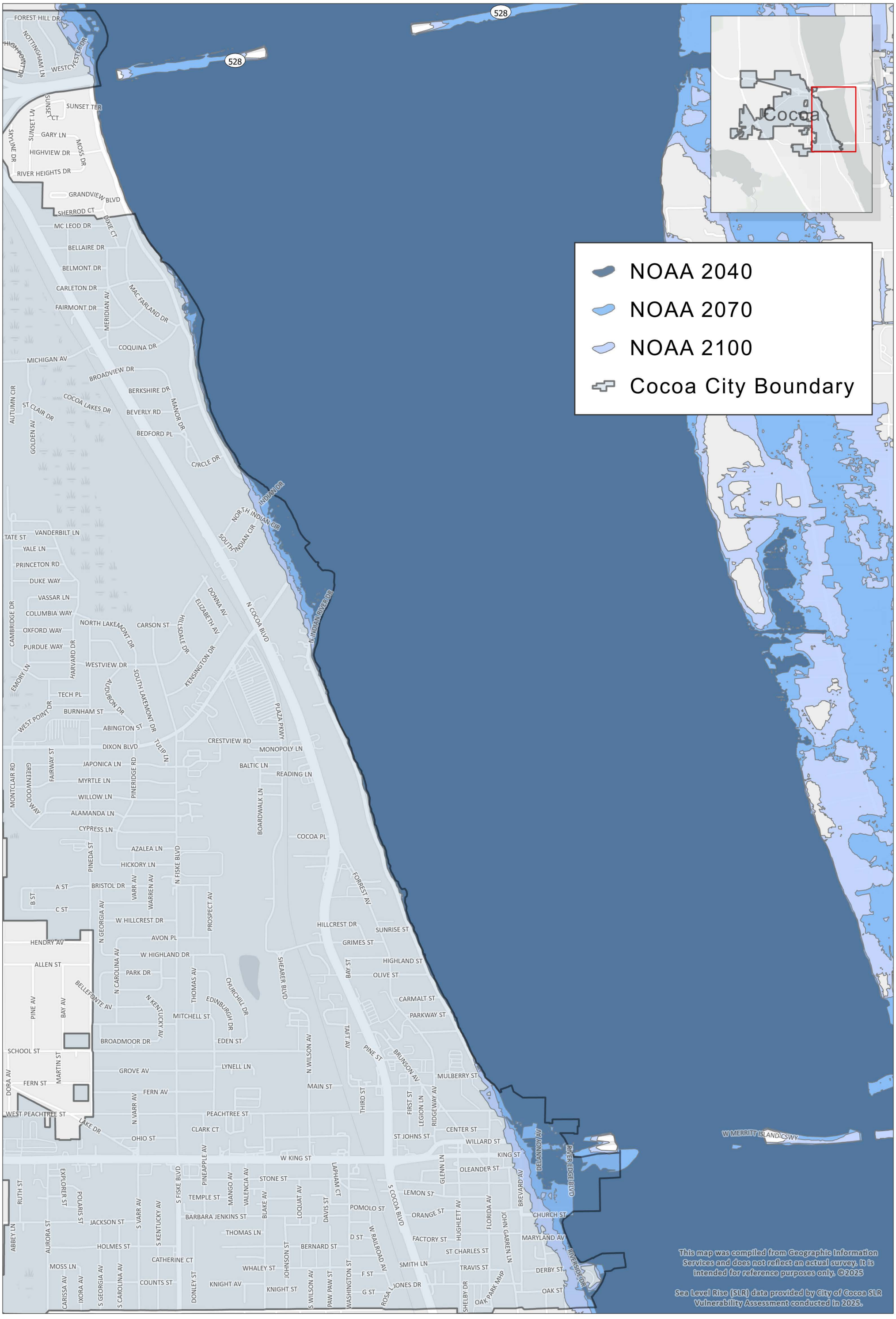
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CM-6: Sea Level Rise Projections

Based on National Oceanographic and Atmospheric Administration (NOAA)



Information provided from the 2019 Resilient Cocoa plan.



Sea Level Rise Projections Based on National Oceanographic and Atmospheric Administration (NOAA)

N

Map CM-6

July 30, 2025

COCOA FLORIDA

CITY OF COCOA ELEMENTARY SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

Elementary School

- Cambridge
- Gardendale
- Lewis Carroll
- Golfview
- Endeavour
- Mila
- Fairglen
- Saturn

Map Symbols

- Railroad
- City Boundary
- Water Bodies

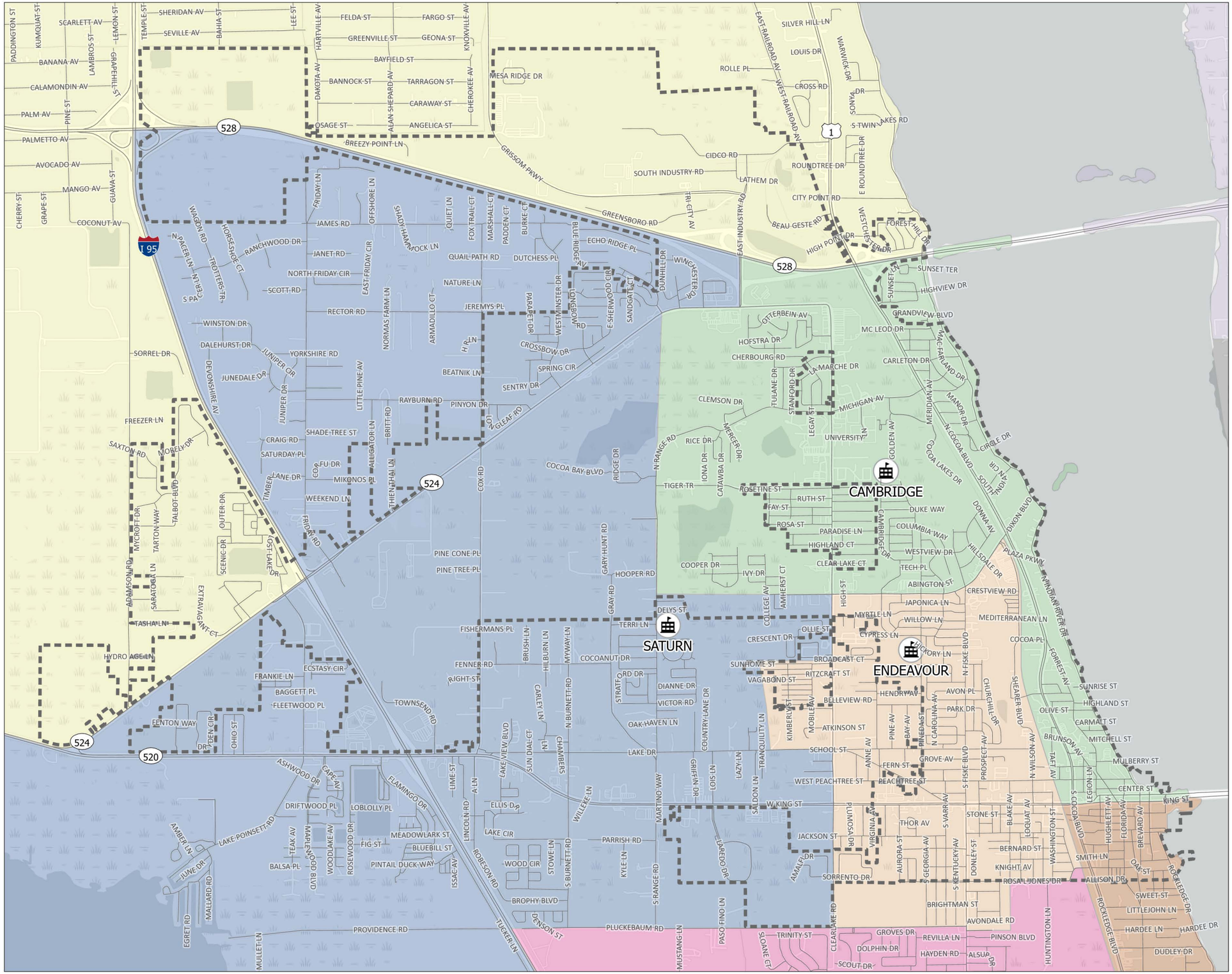
0 0.25 0.5 1 Miles

N

CITY OF cocoa

Source: Brevard County Public Schools

City of Cocoa GIS - 2010



City of Cocoa Elementary School Location and Concurrency Area Map

July 28, 2025

Elementary Schools

Elementary School Attendance Boundaries

- Cambridge
- Carroll
- Endeavour
- Fairglen
- Golfview
- Mila
- Saturn
- Tropical

Cocoa City Boundary

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CITY OF COCOA MIDDLE SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

Middle School

- Clearlake
- Jefferson
- Kennedy
- McNair

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

CITY OF COCOA

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

City of Cocoa Middle School Location and Concurrency Area Map

July 28, 2025

Middle Schools

Middle School Attendance Boundaries

- Cocoa
- Jefferson
- McNair

Cocoa City Boundary

0 0.5 1 Mile

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only.
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CITY OF COCOA HIGH SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

High School

- Cocoa
- Merritt Island
- Rockledge

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

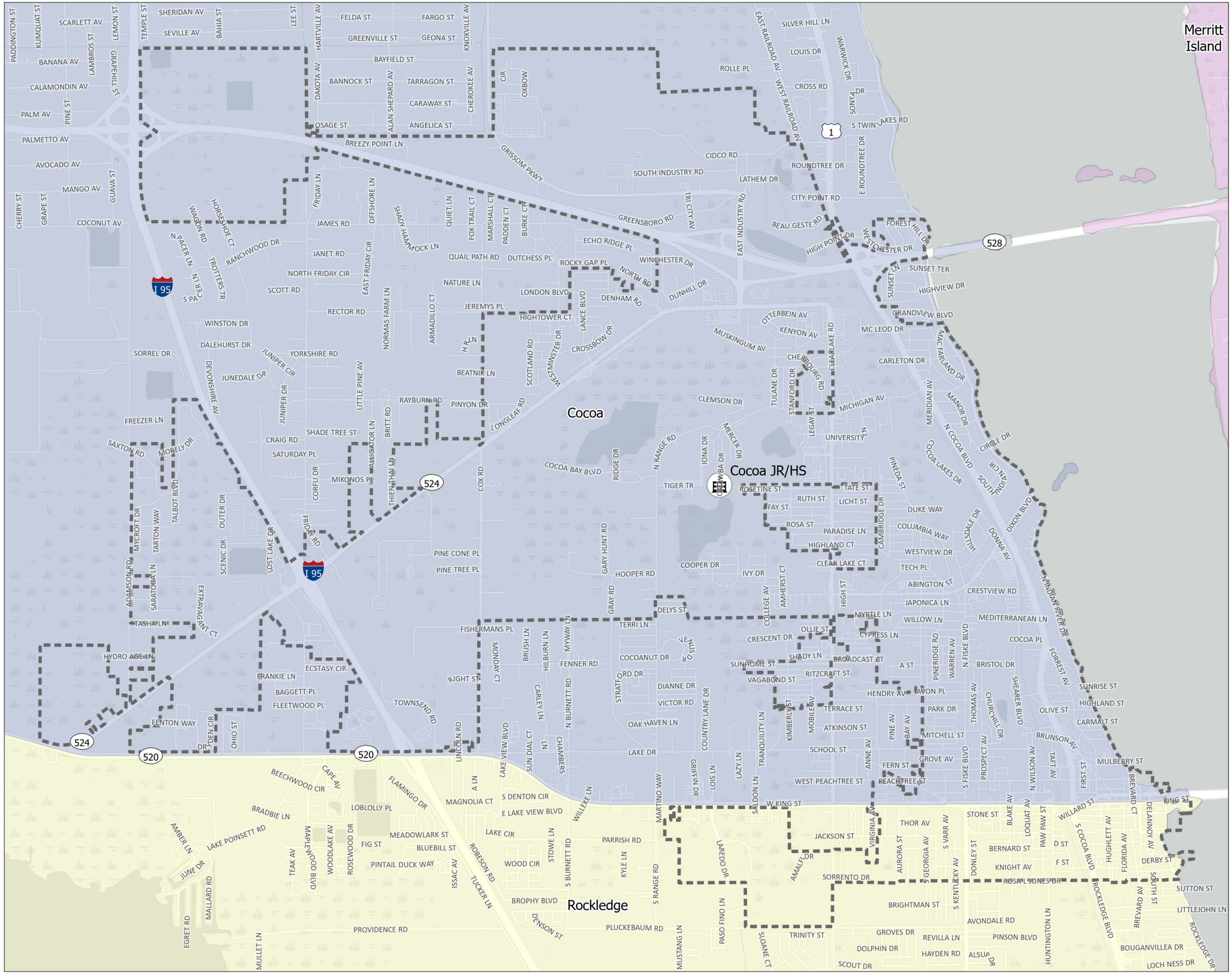
CITY OF COCOA

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

City of Cocoa High School Location and Concurrency Area Map

July 28, 2025



High School Attendance Boundaries

- Cocoa
- Merritt Island
- Rockledge
- Cocoa City Boundary

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only.
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CITY OF COCOA EXISTING SCHOOL FACILITIES AND ANCILLARY PLANTS MAP

School Year 2010-2011

School Types

- Public Schools
- Charter Schools
- Private Schools
- Other Schools
- Support Facilities

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

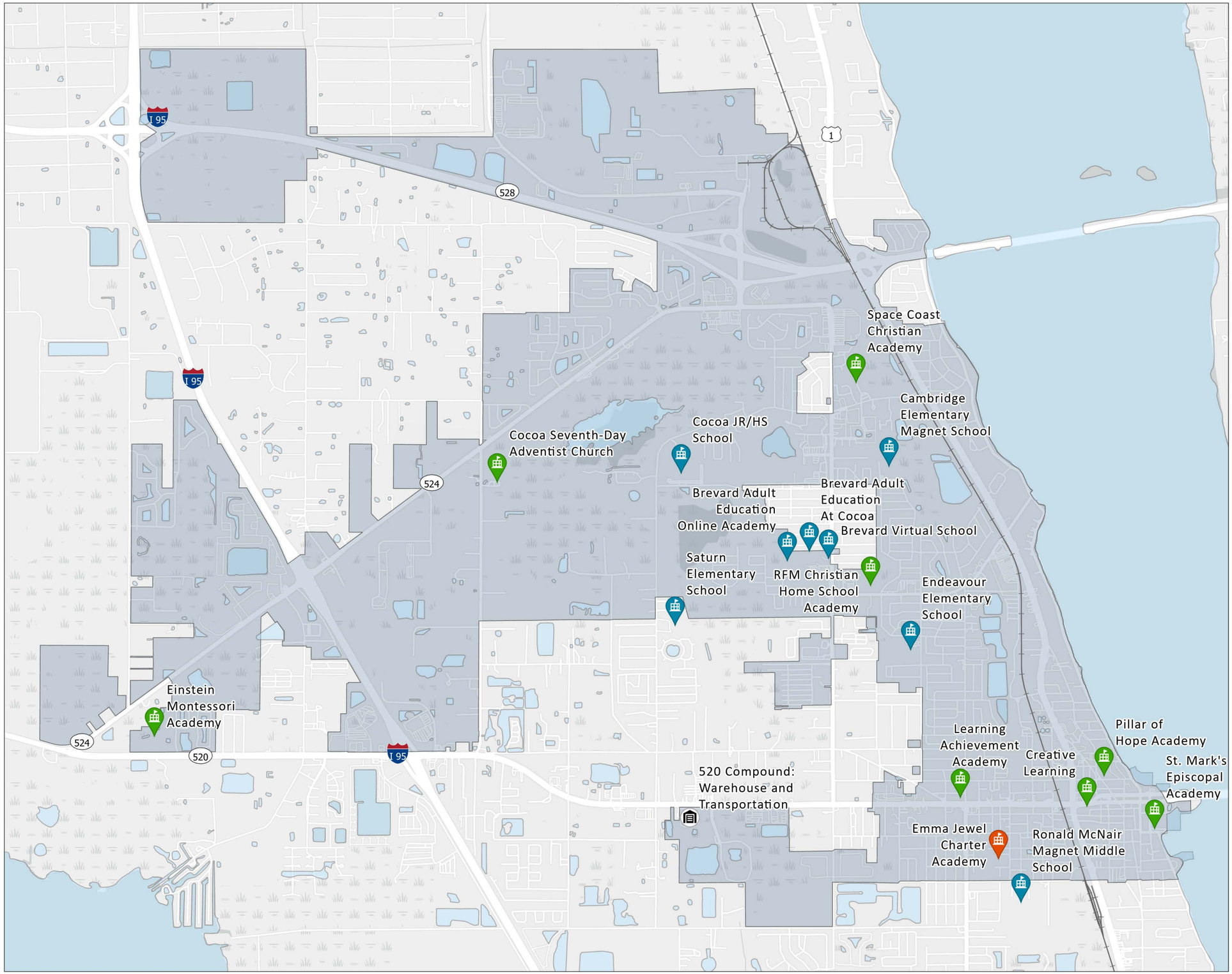
Cocoa Seventh-day Adventist School
Bethel Christian Academy
Divine Mercy C
COCOA
CAMBRIDGE
COCOA STADIUM
CLEARLAKE
Christian Heritage Academy
Brevard Christian Learning
Rfm Christian Academy Cocoa 2
Crosswinds - Rainwater for Girls
SATURN
Educators Inc. Private School
ENDEAVOUR
Creative Learning
Christian Home School #2
Atlantic Inclusive
Einstein Montessori Academy
Rfm Christian School
TRANSPORTATION 520 COMPOUND
WAREHOUSE 520 COMPOUND
St Marks Aca
Friendship Christian Academy
McNAIR
Hatcher Academy
Sharon School of Excellence III

Mud Lake
ClearLake
Indian River
Poinsett Lake

GRISSOM PKWY
JAMES RD
COX RD
FRIDAY RD
INDUSTRY RD S
MICHIGAN AV
ROSETINE ST
CLARKE RD
DIXON BLVD
528 HWY
524 HWY
LAKE DR
RANGE RD N
FISKE BLVD N
KING ST
RIVERSIDE DR
POINSETT DR
LAKE POINSETT RD

Source: Brevard County Public Schools

City of Cocoa GIS - 2010



City of Cocoa Exisiting School Facilities and Ancillary Plants Map

School Year 2025-2026

July 30, 2025

N

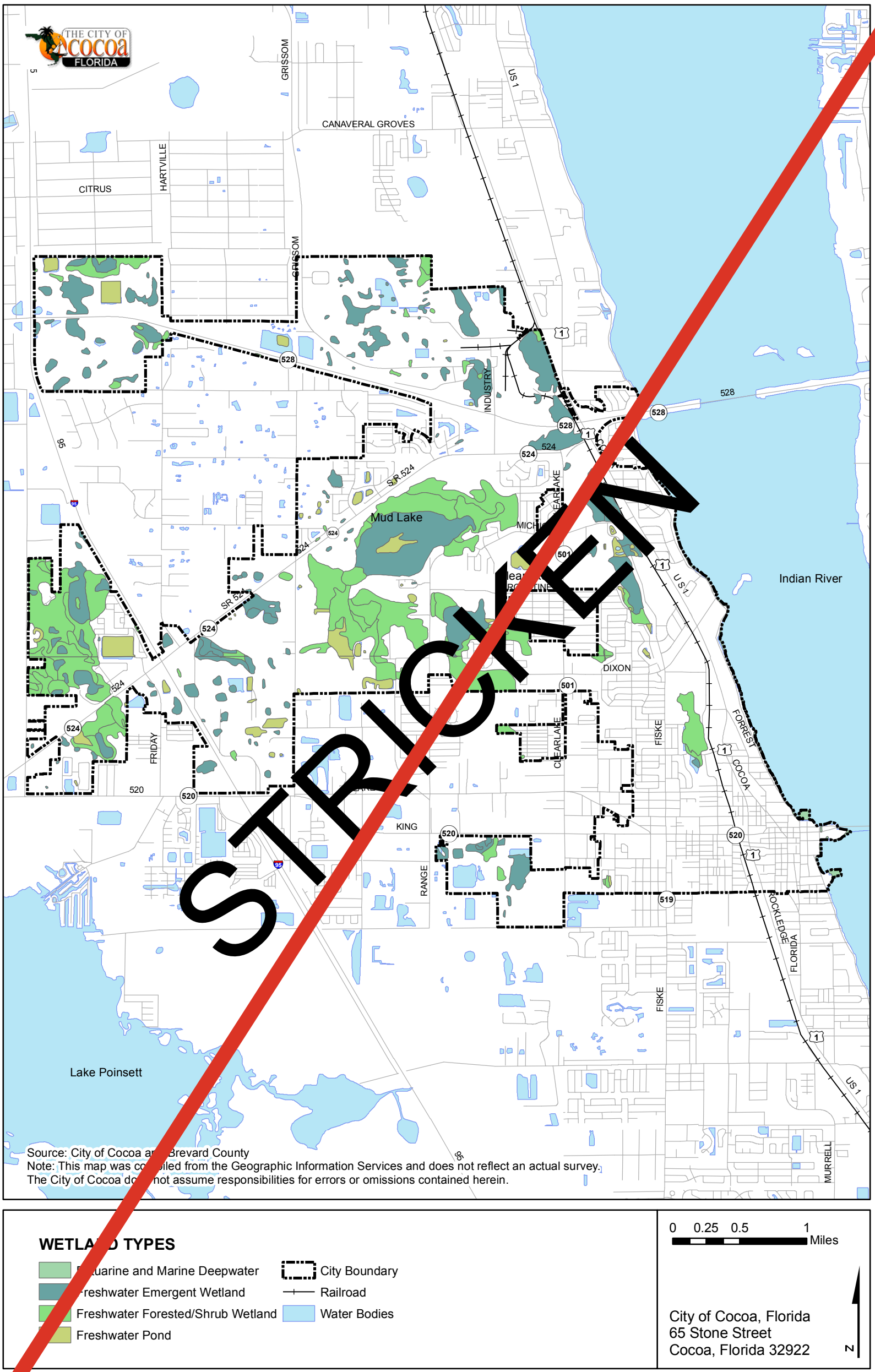
School Types

- Charter School
- Private
- Public
- Support Facilities
- Railroad
- Cocoa City Boundary

0 0.5 1 Mile

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Map M-XII-1: Wetlands



Wetland Map

COCOA
FLORIDA

Wetlands

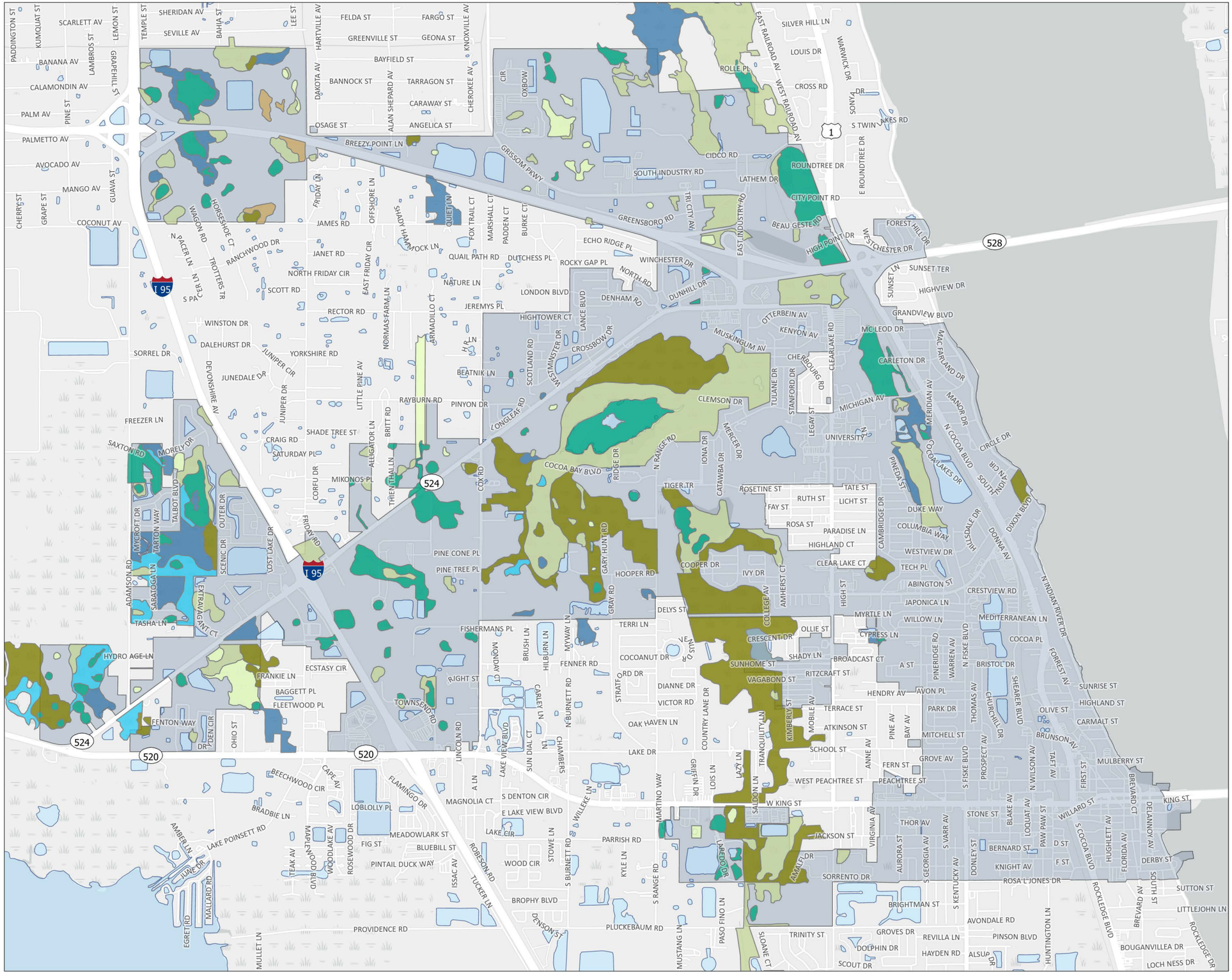
WETLAND TYPE

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine
- Waterbodies
- Cocoa City Limits

0 1 2
Miles

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Map M-XII-1







Wetlands

July 20, 2025

Wetlands

Wetland Type

- Bay Swamps
- Mixed Wetland Hardwoods
- Cabbage Palm Hammock
- Hydric Pine Flatwoods
- Wetland Forested Mixed
- Freshwater Marshes
- Wet Prairies
- Emergent Aquatic Vegetation
- Mixed Scrub-shrub Wetland

Waterbodies

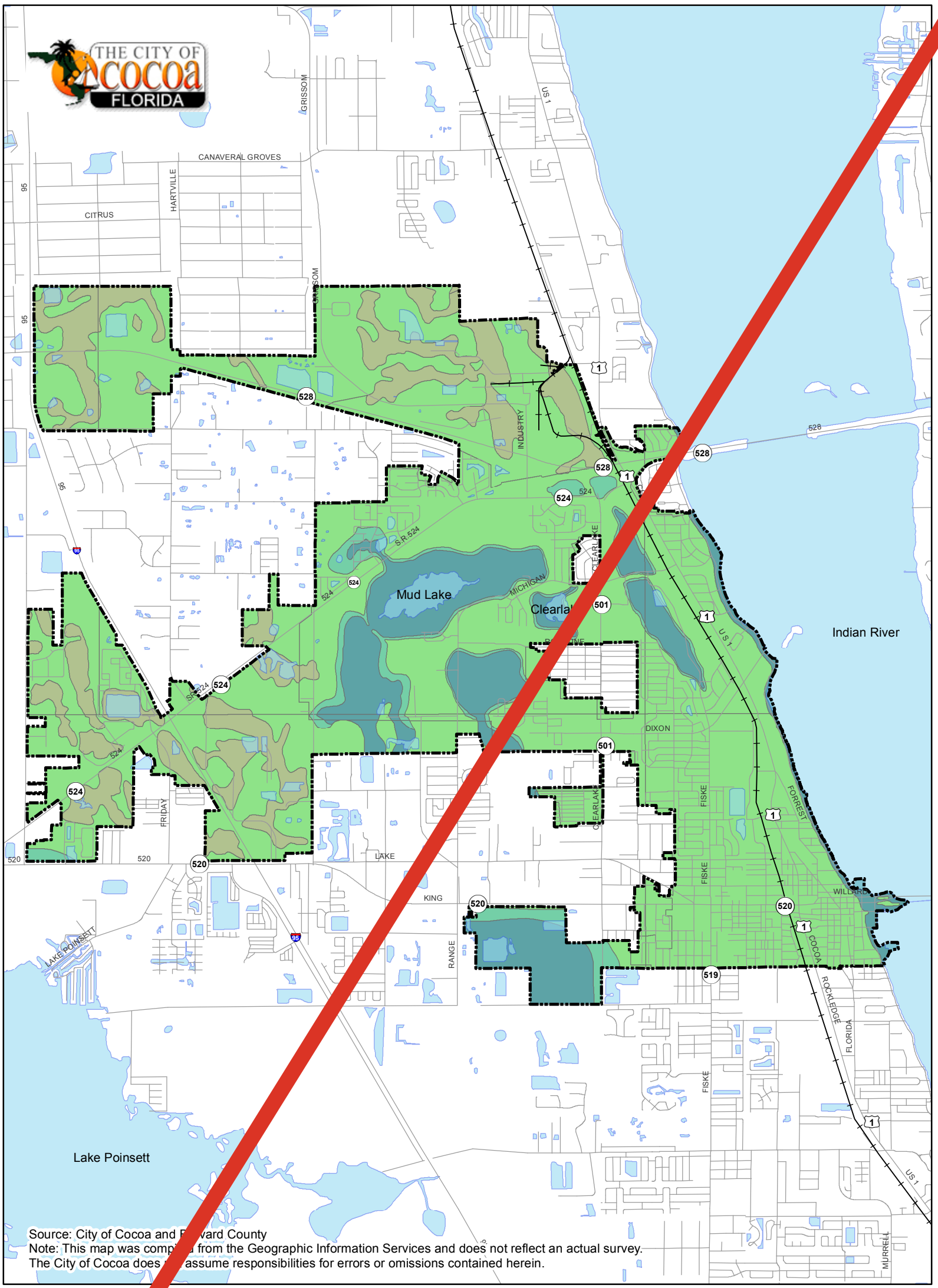
Cocoa City Boundary

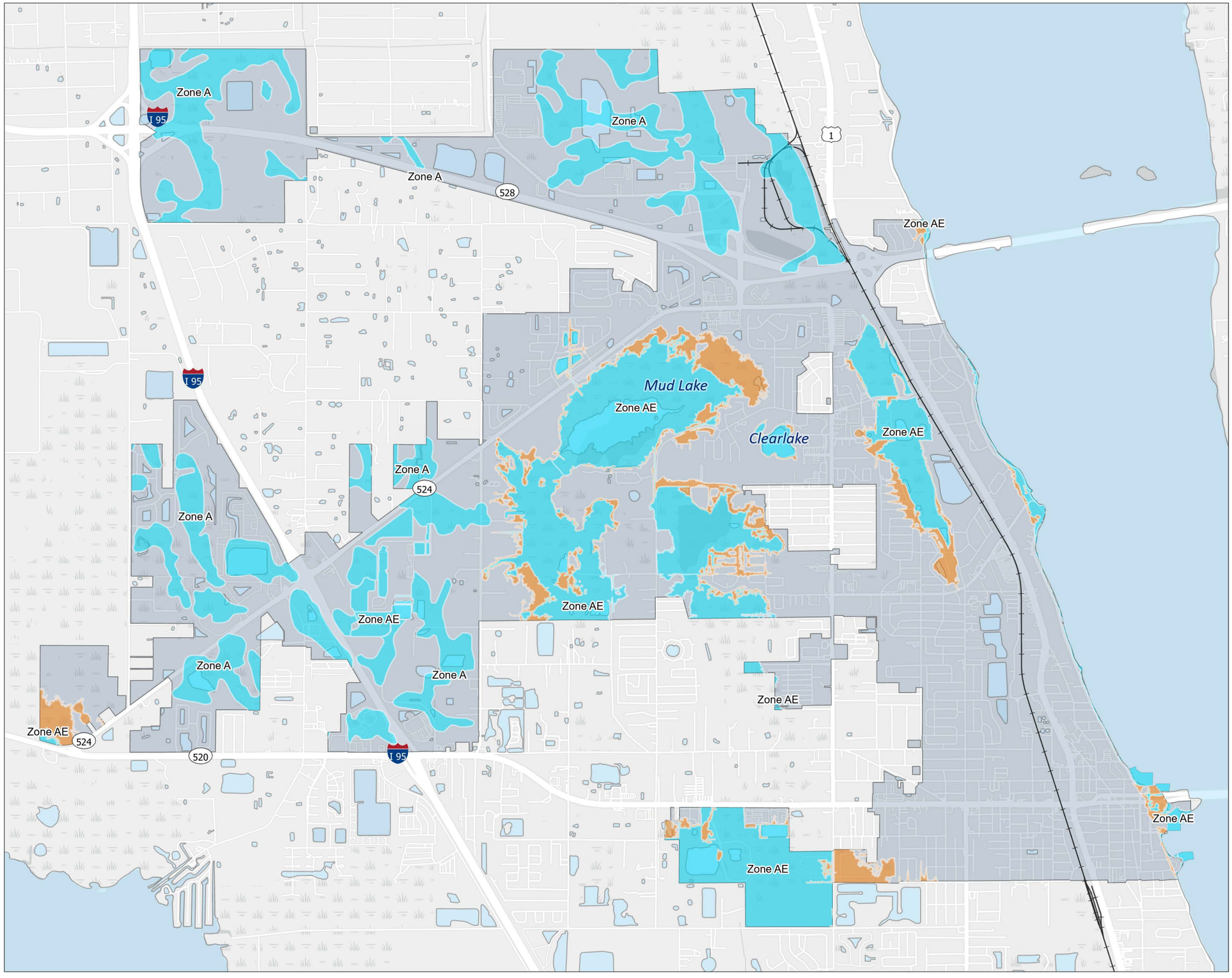
0 0.5 1 Mile

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only.
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Map M-XII-1

Map M-XII-2: Flood Zones





COCOA
FLORIDA

N

Flood Zones

July 29, 2025

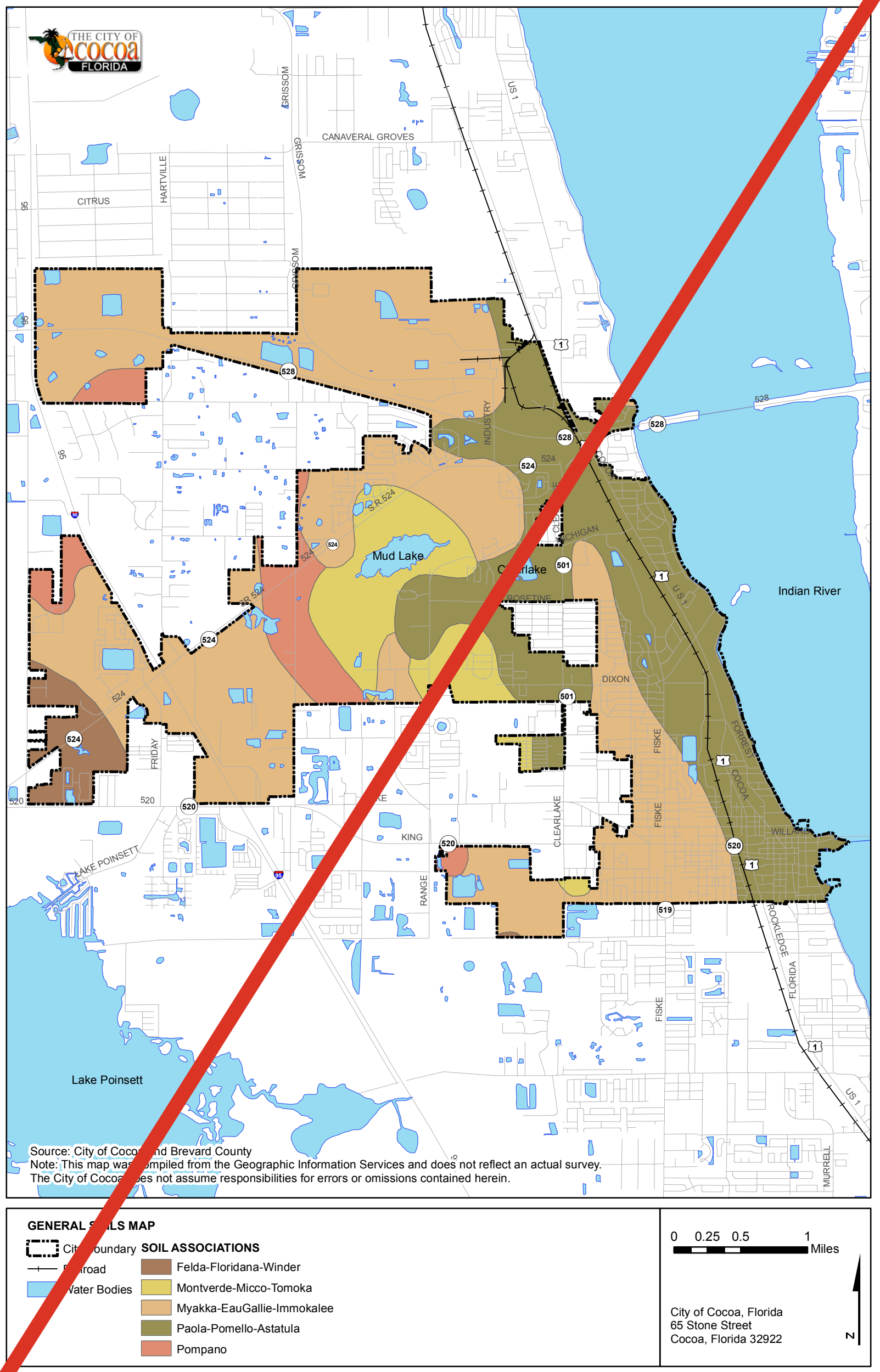
FEMA Flood Hazard Zones
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Railroad
- Cocoa Waterbodies
- Cocoa City Boundary

0 0.5 1 Mile

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only.
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Map M-XII-2

Map M-XII-3: General Soils



CITY OF COCOA COMPREHENSIVE PLAN 2020 - 2030

VOLUME I
GOALS, OBJECTIVES, & POLICIES

ADOPTED BY ORDINANCE 13-2019 BY ACT OF THE CITY COUNCIL CITY OF COCOA, FLORIDA ON FEBRUARY 26, 2020 WITH UPDATES THROUGH ORDINANCE 14-2024, FEBRUARY 17, 2025

Serving the Community

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I - FUTURE LAND USE ELEMENT



Serving the Community

GOAL 1.1: Create and maintain a broad range of land use activities that maximize the City's potential as a growth center while protecting the public health, safety, welfare, and appearance through the thoughtful planned use and development of the land and public facilities.

Objective 1.1.1: Future Land Use Categories Established. The City hereby establishes land use categories and a Future Land Use Map (FLUM) that provide for compatible and coordinated land uses, allowing for the protection of natural and historic resources as well as maximizing economic development opportunities.

Policy 1.1.1.1: Land Use Categories. The adopted FLUM contains and identifies appropriate locations for the following land use categories. The maximum densities/intensities shown in Figure FLU-1 are not guaranteed for all sites within each category. The zoning map and land development regulations may impose tighter densities and intensities of development based on land use allocation criteria policies.

Policy 1.1.1.2: Density/Intensity Standards for Future Land Use Categories. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments density and/or intensity shall be measured and regulated pursuant to Figure FLU-1.

Objective 1.1.2: Location Criteria for Land Uses. Future land use categories and land development regulations shall be consistent with the density and intensity standards in Policy 1.1.1.1 and be based upon the following locational and development standards and criteria:

FIGURE FLU-1
STANDARDS FOR FUTURE LAND USE CATEGORIES

Residential and Conservation Future Land Use Categories:

	Very Low Density Residential	Low Density Residential	Medium Density Residential	High Density Residential	Conservation	Rural Urban Transition
Maximum Density	4 du/acre	7 du/acre[1]	15 du/acre	25 du/acre		1 du/2.5 acres
Allowable Uses	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, and Open Space/ Recreational	Residential, Institutional, Office and Open Space/ Recreational	Conservation and Open Space/ Recreational	Residential, Conservation Open Space/ Recreational, and Agriculture
Applicable Zoning Districts	RE, RA, RR-1, RR-2, RU-1-10, RU-1-7, RU-1-7A, RM-3 and PUD	RU-1-10, RU-1-7, RU-1-7A, RU-2-10 RU-2-15, RM-3, RM-4 and PUD	RU-1-7, RU-2-15, RM-4, and PUD	RU-2-15, RU-2-25, Inst, and PUD	Not Applicable	RA, RR-1, and RR-2
Maximum Impervious Surface Ratio	.40 .65 w/PUD	.65	.70	.80	.10	.30

FIGURE FLU-1, Continued
STANDARDS FOR FUTURE LAND USE CATEGORIES

Commercial, Industrial, Open Space/Recreational, Institutional and Mixed Use Future Land Use Categories:

	Commercial	**Neighborhood Commercial[4]**	**Regional Activity Center[5]**	**Industrial**	**Open Space Recreational**	**Institutional**	**Mixed Use**
Maximum Intensity/ Density	1.0 FAR, 25 du/acre[7]	0.75 FAR, 25 du/acre[7]	0.50 FAR, 25 du/acre, and 45 hotel rooms/acre	1.50 FAR	0.25 FAR	1.0 FAR 25 du/acre	25 du/acre[2,3&9] 1.0 FAR[3]
Allowable Uses	Commercial, Office, Institutional, Residential[8], and Open Space/ Recreational	Commercial, Residential, Office, Institutional, and Open Space/ Recreational	Commercial, Industrial, Hotel, Office, Residential, Institutional, and Open Space/ Recreational	Industrial and Commercial[6]	Not Applicable	Institutional	Commercial, Industrial, Hotel, Office, Residential, Institutional, and Open Space/ Recreational
Minimum Transportation Access	4 lane collector 2 lane arterial	2 lane collector	2 lane arterial that intersects SR528 or I-95	2 lane collector 2 lane arterial	Not Applicable	Not Applicable	Not Applicable
Applicable Zoning Districts	C-G, C-W, C-P, C-C, P-S, Inst, and PUD	C-N, C-R, R-P, P-S, Inst and PUD	UMD	M-1 and M-2	All Districts	All Districts	CBD, CBD-CVO, C-C, C-N, CR, PS, PUD, RP, UMD
Maximum Impervious Surface Ratio	.90	.80	.95	.75	.25	.65	.95 1.0 in CBD

NOTES FOR FIGURE FLU-1:

1. Maximum density may be increased up to 12 du/acre as part of a planned residential development or planned redevelopment activities (*Policy 1.2.3.C*).
2. An additional 5 units per acre may be achieved if residential units are developed as part of a vertical mixed use project.
3. Maximum FAR in the Cocoa RDA is 2.0 and a bonus may permit up to an additional 2.5 FAR in the Central Business District outside the Cocoa Village Overlay sub-district. An additional 25 units per acre may be achieved in certain areas within the Cocoa RDA.
4. Four (4) acre maximum land area for new Neighborhood Commercial and one (1) acre maximum site land area.
5. Minimum land area of 50 acres and minimum cumulative gross floor area of 500,000 sqft. for all structures.
6. Commercial uses that are complementary to and support industrial development and operations.
7. Maximum residential density shall be 25 du/acre, except where reduced by the underlying zoning district regulations.
8. Residential uses shall be permitted only where allowed in the underlying zoning district.
9. Notwithstanding the base level maximum density stated in the above chart and Notes 2& 3, the maximum density may be increased by the City Council for certain approved redevelopment projects on properties designated Cocoa Village and South End Subdistrict with a Commercial/Mixed Use Large (CL) building type on the Cocoa Waterfront Overlay District Regulating Plan pursuant to Policy 1. 1. 2. 6.

Policy 1.1.2.1: **Rural/Urban Transition (RUT).** Rural/Urban Transition land use is intended to preserve conservation areas, and to provide opportunities for agricultural activities along with some residential developments. This designation will also allow for necessary supporting services such as utilities, parklands, and education facilities. The following criteria shall be used for determining appropriate locations for rural/urban transition areas.

A. Whenever an agricultural operation is annexed, the RUT land use may apply. The farming and agricultural operations may continue per the conditions set forth in the annexation agreement for the property. The continuation of agricultural uses and supporting ancillary facilities will contribute to the

preservation of large expanses of open space while protecting sensitive environmental resources.

B. If more than one residential unit is developed on a parcel classified as RUT pursuant to this policy, the units may be clustered.

Policy 1.1.2.2: **Very Low Density Residential (VLDR).** Very low-density residential areas consist of neighborhoods of single family detached housing. The following criteria shall be used for determining appropriate locations for very low density residential areas.

A. Very low-density residential areas shall be buffered from the nuisance effects of agricultural uses, higher intensity uses and major traffic corridors.

B. Very low density residential developments should be located in areas where more intensive development would be unwarranted due to environmental constraints.

Policy 1.1.2.3: **Low Density Residential (LDR).** Low-density residential areas are neighborhoods of single family detached housing, limited multiple family attached housing and limited clustered single family attached housing. Institutional, open space and recreational uses are also allowed in this category. The following criteria shall be used for determining appropriate locations for low density residential areas.

A. Low-density residential areas shall be buffered from the nuisance effects of higher intensity uses and major traffic corridors.

B. Low density residential developments should be located in areas where more intensive development would be unwarranted due to environmental constraints, incompatible with surrounding land uses, or where criteria set forth in Paragraph c, below, cannot be met.

C. The City may permit increased densities up to 12 units per acre as part of planned residential development or planned redevelopment activities based on the following criteria:

1. Redevelopment through rehabilitation and improvement of substandard or deteriorating housing.

2. For planned redevelopment activities, preservation and improvement of neighborhoods containing affordable single family and multiple family housing, especially where neighborhoods contain vacant lots or abandoned commercial uses.

3. Use of a variety of building and site designs, housing types and efficient construction techniques that lower construction costs and result in lowering housing cost.

4. Provide for more efficient use of land and protection of the existing neighborhoods, natural systems, and historic resources.

D. Clustered single family attached housing may be permitted with City Council approval, at a maximum of seven (7) units per acre, provided the development meets at least one of the qualifying criteria, is a deed restricted community, and conforms to the development standards included in the City's land development code and design criteria listed below.

1. Qualifying Criteria:

(a) Preservation of environmentally sensitive areas.

(b) Topographical constraints limiting the developable portion of the land.

2. Development Standards:

(a) Land area and project density standards shall be as follows:

(1) Minimum of one (1) acre and no more than seven (7) acres.

(2) Minimum of seven (7) dwelling units and no more than forty-nine (49) dwelling units.

(b) A project shall not be located within one-half mile of another project developed under this policy.

(c) A minimum of twenty percent (20%) of gross site acreage shall be developed as useable open space and active recreational facilities.

(d) A minimum of ten percent (10%) of developed units shall be set aside and priced affordably for qualified moderate income level families.

(e) The development project shall provide a fifteen (15) foot landscaped buffer along property lines adjoining single family residential land uses developed with detached housing.

3. Design Standards:

   (a) Individual lots, buildings, streets and parking areas should be designed and situated to minimize disruption to the site's natural drainage and topography.

   (b) Buildings developed under this policy shall contain no more than five (5) residential dwelling units per building.

   (c) To preserve and promote the single family nature of the development project, single family attached housing units shall only be horizontally attached and front facades shall be staggered.

   (d) Each dwelling units shall vary architecturally so that each presents a distinct and unique appearance as a single family residential unit. Not more than three units per building and no two adjoining units shall have the same architectural appearance and style.

   (e) Buildings shall be finished on all sides with permanent finished materials of consistent quality. Major exterior surfaces of all primary structures shall be face brick, architectural concrete, glass, stucco, synthetic stucco, decorative block, or stone.

4. Development Agreement. The City Council may require a development agreement as a condition of approving any clustered, single family attached housing project. Said agreement shall memorialize all conditions and safeguards deemed necessary by City Council and shall be recorded in the public records of Brevard County as a binding covenant on the subject property.

Policy 1.1.2.4: **Medium Density Residential (MDR).** Medium density residential areas shall be regarded as areas of moderate density detached and attached housing. The following criteria shall be used for determining appropriate locations for medium density residential areas.

A. Medium density residential areas shall have access to a minor collector street, and preferably, to a major collector street or one of higher functional classification.

B. These areas should have convenient access to community services.

C. New developments approved in accordance with the comprehensive plan shall provide amenities to include open space and buffering as required in the City's Land Development Regulations.

Policy 1.1.2.5: **High Density Residential (HDR).** High-density residential areas shall be deemed to be areas of attached multi-unit dwellings and detached housing where a mixture of unit types and a variety of buildings may be permitted. The following criteria shall be used for determining appropriate locations for high density residential areas.

A. High-density residential areas shall have access to a major collector street or a roadway with a higher functional classification.

B. It is the intent of the City to provide these areas with safe and convenient pedestrian access to nearby recreation and shopping facilities.

Policy 1.1.2.6: **Mixed-Use (MU).**

(a) The Mixed-Use land use category is intended to provide a mixture of residential, commercial, office, recreational and institutional uses along the major transportation corridors (such as SR 520 and US 1). The mixed-use could be developed as single uses on separate parcels or as a mixture of uses within a single development. Based on current land use trends, the City estimates that the mix of uses in the mixed-use category will be 50 percent residential and 50 percent non-residential. The Floor Area Ratio (FAR) measure shall not be applied to residential developments or the residential portion of a mixed-use building or development. The following criteria shall be used for determining appropriate locations for mixed-use land use areas.

A. Areas within a quarter mile walking distances of public transit stations, transitional areas between high and low intensity uses, and areas adjacent to major corridors within the City are appropriate for Mixed-Use category.

B. The land development regulations implementing this category shall encourage a compact and walkable environment to reduce vehicle miles of travel and encourage use of public transit.

C. Development within mixed-use shall be encouraged to follow Transit Oriented Design (TOD) principles.

D. Unified architectural and streetscape themes are encouraged for all developments within the Mixed-Use category.

E. Mixed use buildings within a single development will be highly encouraged in this category.

F. Except as provided herein, for a vertical mixed-use building, density bonuses as provided in Figure FLU 1 and this Policy 1.1.2.6(b) shall only be permitted where at least 51% of the total building length of the ground floor street frontage is devoted to occupiable space for retail sales, offices and services available to the general public, and restaurants, or a combination thereof The total building length of the ground floor street frontage shall be measured by determining the length of the vertical, mixed use building on the ground floor on all street frontages up to a maximum of two (2) street frontages which shall be the two longest sides of the building with street frontage. For purposes of this Policy, pedestrian and vehicle driveways and ingress and egress corridors may be subtracted from the building length on each street prior to calculating the required percentage of the building length that must be devoted to the ground floor commercial uses on such street frontage. The required 51% of the total building length of the ground floor street frontage that is devoted to occupiable space for the ground floor commercial uses listed in this Policy may be distributed among street frontages as deemed most advantageous by the applicant, which may include locating the ground floor commercial uses entirely on one street. Non-commercial uses, uses otherwise permitted by the underlying zoning district, and parking to serve the vertical, mixed use building or the general public may occur on the remainder of the street frontage or within the interior of the building.

G. If residential housing units are developed as part of a vertical mixed use project a bonus of up to 5 units per acre may be achieved, excluding projects approved by city council pursuant to subsection (b).

H. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments, a mix of 50% residential and 50% non-residential land area split shall be utilized.

(b) Notwithstanding the maximum density stated in Figure FLU 1, a maximum density of up to 125 units per acre may be permitted for a specific redevelopment project with residential housing units developed as part of a vertical mixed-use project, subject to the discretion of the City Council and following conditions:

A. The vertical mixed-use project is located in the downtown community redevelopment area and on property designated Cocoa Village Subdistrict or South End Subdistrict on the Cocoa Waterfront Overlay District Regulating Plan and located on real property designated (outlined) on the following map:

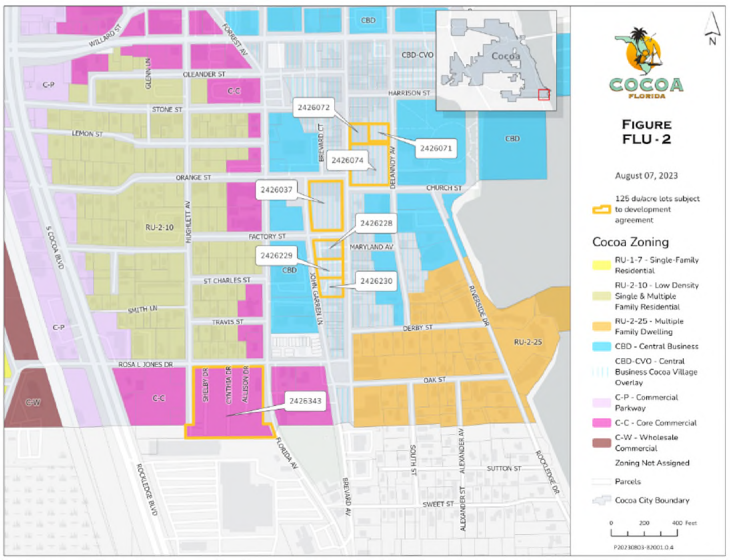


FIGURE FLU-2

B. The vertical mixed-use project is on property upon which a Commercial/Mixed Use Large (CL) building type is permitted on the Cocoa Waterfront Overlay District Regulating Plan; and

C. The maximum density for the project is approved by the City Council by a development agreement after considering the following factors:

(i). Economic and social benefits to the City and Community Redevelopment Agency;

(ii). Aesthetic quality and character, architectural design, and physical and visual scale;

(iii). Any proposed enhancements that developer will commit to completing by development agreement that will significantly bring the overall quality of the proposed development above and beyond the minimum requirements set forth in the City Code and will serve the public health, safety, and welfare of the citizens and visitors of Cocoa;

(iv). Compatibility and harmony with the special and distinctive character of the Cocoa Village including the South End Subdistrict, if applicable, and waterfront district;

(v). Impact upon public facilities;

(vi). Adequacy of on-site parking and impact on off-site parking;

(vii). Consistency with the CRA Community Redevelopment Plan and Waterfront Master Plan;

(viii). Proven first-hand experience of the developer to successfully complete one or more projects of such physical and visual scale and design, as evidenced by a written portfolio identifying and describing previously completed or substantially completed projects by the developer;

(ix). The negotiated terms and conditions of the development agreement including a development schedule deemed acceptable to the City Council;

(x). Impact on environmental concerns and incorporation of "green" community designs;

(xi). In the discretion of the City Council, a recommendation from the Cocoa Community Redevelopment Agency if the project could foreseeably affect or impact the Agency or the Agency's Redevelopment Plan, or require an Agency contribution to support the project;

(xii). Compliance with applicable land development regulations and comprehensive plan policies; and

(xiii). Any other factors as may be deemed relevant by the City Council.

Policy 1.1.2.7: **Regional Activity Center (RAC).** The City's Future Land Use Map may be amended to include one or more Regional Activity Centers, as a separate and distinct future land use designation. The City shall seek opportunities to work with the private development sector to promote and plan one or more compact, high intensity, multi-use developments that will enhance the City's tax base, provide new employment opportunities and promote additional compatible development within the City. Development within any designated Regional Activity Center shall comply with the requirements of the following policies (inclusive of the applicable Subarea Policies) and all other applicable Comprehensive Plan Policies.

A. Development within this category shall include a minimum of three of the following land uses: commercial, office, residential, hotel or industrial uses and shall conform to the following development criteria:

1. Minimum land area included within the Regional Activity Center: 50 acres; and
2. Minimum cumulative gross floor area of all non-residential structures: 500,000 square feet;
3. Maximum cumulative floor area ratio for the entire Regional Activity Center: 0.50;
4. When a residential land use is a component of the development, the following shall apply:
   (a) Minimum cumulative gross floor area for all residential uses shall equal 25% of the cumulative gross floor area for all non-residential uses. The minimum cumulative residential gross floor area shall only be reestablished after initial approval when increases in non-residential uses require a comprehensive plan amendment.
   (b) Maximum residential density: 25 dwelling units per acre
5. Maximum hotel/ intensity: 45 rooms per acre

B. Each designated Regional Activity Center shall be subject to Subarea Policies that will establish the specific uses and maximum intensity standards applicable to that particular Regional Activity Center.

C. Each designated Regional Activity Center shall be designed to provide services to, or be regularly used by, a significant number of citizens of more than one county; shall have direct access to a major arterial roadway that intersects with SR 528 or I-95; shall include a multi-modal circulation system that is integrated with the City's overall pedestrian, bicycle and transit systems; and shall be compatible with adjacent uses.

D. Each designated Regional Activity Center shall be developed in a sustainable manner where development and design standards commonly associated with the urban design concepts of Traditional Neighborhood Design (TND) and Neo-Traditional planning principles shall serve as guiding principles, generally complying with the following:

1. Uses shall be mixed and intermingled such as commercial and residential; commercial and office; and or office and residential,
2. Site design shall provide for equal opportunities for vehicular and pedestrian travel internally throughout the site, with the exception of any portion developed wholly as industrial,

3. Interconnectivity, vehicular and pedestrian, between land use zones shall be provided,
4. Site design shall incorporate Crime Prevention Through Environmental Design (CPTED) principles.

E. Designated Regional Activity Centers shall be permitted to convert land uses and intensities within the adopted development program.

1. To ensure substantial conformity with the adopted development program and to retain the mixed-use character of a designated Regional Activity Center, a conversion of any land use category to another may only be permitted to increase or decrease by the below figures for each land use category. A proposed increase or decrease greater than the below figures shall require an amendment to the Comprehensive Plan, specifically to the Subarea policy governing the uses and intensities of the designated Regional Activity Center.

(a) Commercial: 55,000 square feet or 10% whichever is greater

(b) Office: 66,000 square feet or 10% whichever is greater

(c) Residential: 55 units or 10% whichever is greater

(d) Hotel: 83 rooms or 10% whichever is greater

(e Industrial: 35 acres or 10% whichever is greater

2. To maintain an equivalent number of trips generated by a designated Regional Activity Center and to retain the internal trip capture characteristics, an increase (or decrease) to an approved land use category shall result in a corresponding decrease (or increase) to another approved land use category.

3. To ensure adequate public school capacity is available for designated Regional Activity Centers where a residential land use is part of the adopted development program, a proposed increase in residential land use of any amount shall require a school concurrency evaluation and determination to ensure adequate public school capacity is available to accommodate new students generated by the proposed increase in residential units.

3. To ensure adequate public school capacity is available for designated Regional Activity Centers where a residential land use is part of the adopted development program, a proposed increase in residential land use of any amount shall require a school concurrency evaluation and determination to ensure adequate public school capacity is available to accommodate new students generated by the proposed increase in residential units.

4. For purposes of evaluating concurrency for potable water and wastewater facilities, the demand for the maximum potential development (the base development program plus the maximum allowable increase set forth above) shall be evaluated to ensure adequate public facilities are available to serve the development.

F. Notwithstanding any other provisions in this Comprehensive Plan, development within a designated Regional Activity Center existing as of July 1, 2004 will be allowed to impact wetlands if such development is consistent with the Conservation Element.

G. The development within a Regional Activity Center shall not reduce the flood storage capacity of the project site so as to impact adjoining properties or degrade the quality of the receiving surface water body.

H. The development within a designated Regional Activity Center may utilize compensating storage to achieve the density or intensity authorized in the applicable Subarea Policies for the particular Regional Activity Center, provided that any proposed alteration to the 100-year floodplain or to isolated flood prone areas shall not adversely impact the drainage of adjacent properties or public drainage facilities.

I. If an endangered, threatened, or species of special concern is found on-site or there is evidence that the species may be present on-site following development, the development within a designated Regional Activity Center shall not commence unless and until the Florida Fish and Wildlife Conservation Commission approves a wildlife management plan (which may include offsite relocation or mitigation, as appropriate).

J. To conserve energy and reduce solid waste production, development within a designated Regional Activity Center shall have a unified solid waste management plan that provides for recycling of materials including glass, paper, aluminum, and plastics.

K. To reduce the demand for potable water, development within a designated Regional Activity Center shall connect to the

City's wastewater reuse system.

L. To provide a visually pleasing sense of place, all development within a designated Regional Activity Center shall be subject to a coordinated set of design guidelines for street furniture, signage, landscaping, and public spaces that shall be reviewed and approved by the City's Community Development Director prior to issuance of the first building permit.

M. To reduce the potential for mobile source emissions individual sites developed within a designated Regional Activity Center shall:

1. Plant vegetative landscape strips along major transportation corridors;
2. Be designed to encourage walking, biking, or mass transit usage to reduce the need for vehicular use;
3. Connect to existing or planned bicycle and pedestrian systems in accordance with the City's Bicycle Path Plan.

N. **Brevard Crossings Regional Activity Center**. The City hereby establishes the following standards for the Brevard Crossings Regional Activity Center.

Subarea Policy 1 The Future Land Use Map as amended on March 12, 2002 shows the location of the approved Brevard Crossings Regional Activity Center. The designated area has been determined by the City to be appropriate for development as a Regional Activity Center.

Subarea Policy 2 Unless increased in accordance with Future Land Use Element Policy 1.1.2.7.E, the Brevard Crossings Regional Activity Center may include a mix of only the following uses and intensities:

- 1,710,000 square feet of commercial uses;
- 300 hotel rooms; and
- 80,000 square feet (3,300 seat) theatre.

Subarea Policy 3 Commercial and office uses shall generally be oriented internal to the site, as opposed to SR 524 exclusively. Buildings shall be oriented toward the

street and no greater than two bays of parking shall be permitted between primary structures fronting SR 524 public right of way.

Policy 1.1.2.8: Neighborhood Commercial (NCOMM). Neighborhood commercial areas are intended to be low-impact in nature and serve the needs of the immediate residential area. The following criteria shall be used for determining appropriate locations for neighborhood commercial land use designations on the future land use map.

A. Neighborhood commercial areas may be allowed closer to the residential neighborhoods.

B. The City anticipates that the average overall mix of uses in the Neighborhood Commercial Land Use category throughout the City will be a minimum of 85% commercial/office, public/institutional and recreational and a maximum of 15% residential.

C. Pedestrian connectivity between neighborhood commercial and surrounding multi family developments is highly encouraged.

D. The following factors shall be considered when designating new Neighborhood Commercial areas or expanding existing Neighborhood Commercial areas:

1. A land use compatibility study shall be conducted by the applicant to analyze the potential impact of a proposed new Neighborhood Commercial area or

Neighborhood Commercial area expansion on the character of the surrounding uses, neighborhoods and natural environment.

2. A multimodal transportation study shall be conducted by the applicant demonstrating that the transportation systems including roads, pedestrian walkways, bike ways, transit facilities affected by the proposed Neighborhood Commercial areas have sufficient current and projected capacity to the handle the travel demand generated by the increased intensity. Additionally, multimodal transportation study shall address the requirements and level of service standards of the Transportation Element.

3. The applicant shall prepare and submit a market study to demonstrate market demand and economic potential for a proposed Neighborhood Commercial

area. The market study should include data and analysis concerning the existing, planned and approved supply of commercial property within the market area, occupancy patterns and trends, the demand for commercial uses allowed under the Neighborhood Commercial designation and the demand for the commercial uses specifically proposed.

4. The City may consider the following qualitative factors when reviewing proposed Neighborhood Commercial areas:

(a) Whether existing vacant Neighborhood Commercial land in the market area can accommodate the size, shape, location, visibility, and access requirements of the proposed uses.

(b) Whether opportunities are available to redevelop existing Neighborhood Commercial land within the market area.

(c) Whether the proposed designation will encourage reinvestment in deteriorating or underutilized area, protect property values, discourage the proliferation of low intensity strip commercial uses and promote infill development.

E. At the discretion of the Planning and Zoning Administrator applicant submitted transportation or market studies may be waived for small scale future land use map amendments.

F. Annexed lands at the time of the initial City land use designation shall be exempt from the above study requirements provided the lands proposed for Neighborhood Commercial designation maintained a Brevard County Neighborhood Commercial future land use designation and no net increase in density or intensity will occur as a result of the City future land use designation. Notwithstanding the exemption from the above requirement any future land use map amendment is still subject to the requirements of Chapter 163 Part II Florida Statutes (F.S.).

G. For the purposes of analyzing public facilities impacts of proposed Future Land Use Map amendments, a mix of 85% non-residential and 15% residential land area split shall be utilized.

Policy 1.1.2.9: **Commercial (COMM).** Commercial areas are intended to be areas that serve several neighborhoods, sub-regional and regional areas and provide an array of retail, personal and professional uses. Residential uses may also be provided where allowed by the underlying zoning

handle the travel demand generated by the increased intensity. Additionally, transportation studies shall address the requirements and level of service standards of the Transportation Element.

district regulations. The following criteria shall be used for determining appropriate locations for commercial land use designations on the future land use map.

A. Commercial areas shall have direct access from a four-lane collector or two-lane arterial.

B. New commercial uses shall be discouraged from linear development and shall be encouraged to develop in clusters, with coordinated parking facilities, and with frontage roads where practical.

C. Maximum Floor Area Ratio (FAR): 1.0. Within the Cocoa Redevelopment Area, the maximum FAR shall be 2.0. A density bonus of up to an additional 2.5 FAR shall be allowable within the Central Business District outside the Cocoa Village Overlay.

D. The following factors shall be considered when designating new commercial areas or expanding existing commercial areas.

1. *Land Use Compatibility Study*. The applicant shall analyze and consider the potential impact of a proposed Commercial area or Commercial area expansion on the character of the surrounding uses, neighborhoods and natural environment.

2. *Transportation Study*. The applicant shall prepare and submit a study demonstrating that the transportation systems affected by the proposed Commercial areas have sufficient current and projected capacity to the handle the travel demand generated by the increased intensity. Additionally, transportation studies shall address the requirements and level of service standards of the Transportation Element.

3. *Market Study*. The applicant shall prepare and submit a market study to demonstrate market demand and economic potential for a proposed Commercial area. The market study should include data and analysis concerning the existing, planned and approved supply of commercial property within the market area, occupancy patterns and trends, the demand for commercial uses allowed under the Commercial designation and the demand for the commercial uses specifically proposed.

4. The City may also consider the following qualitative factors when reviewing proposed Commercial areas:

   (a) Whether existing vacant Commercial land in the market area can accommodate the size, shape, location, visibility, and access requirements of the proposed uses.

   (b) Whether the proposed use is dependent upon proximity to another specific use.

   (c) Whether opportunities are available to redevelop existing Commercial land within the market area.

   (d) Whether opportunities are available to assemble multiple parcels of existing Commercial land under separate ownership.

   (e) Whether the proposed designation will encourage reinvestment in deteriorating or underutilized area, protect property values, discourage the proliferation of low intensity strip commercial uses and promote infill development.

E. At the discretion of the Planning and Zoning Administrator applicant submitted transportation or market studies may be waived for small scale future land use map amendments.

F. Annexed lands at the time of the initial City land use designation shall be exempt from the above study requirements provided the lands proposed for Commercial designation maintained a Brevard County Community Commercial future land use designation and no net increase in density or intensity will occur as a result of the City future land use designation. Notwithstanding the exemption from the

above requirement any future land use map amendment is still subject to the requirements of Chapter 163 Part II F.S.

Policy 1.1.2.10: **Industrial (IND).** Industrial areas shall be regarded as appropriate for activities associated with industrial development, which can include materials processing, materials assembly, product manufacturing, and storage of finished products. Uses can include manufacturing facilities, warehouse distribution centers and truck terminals. The following criteria shall be used for determining appropriate locations for industrial land use designations on the future land use map.

A. Industrial areas shall also serve as an area to locate businesses with principal uses and activities which could have adverse secondary effects (i.e., increase crime; neighborhood deterioration and blight; property devaluation; economic deterioration; and health risks) on residential areas, religious establishments, schools, parks, or day care centers located within the City; including, but not limited to adult entertainment establishments.

B. Commercial and office uses that are complementary to and support industrial development and operations may be permitted within industrial designated areas.

C. Future industrial areas should be planned with extensive landscaping, and coordinated parking. Industrial areas shall have immediate access to a two-lane collector and/or two-lane arterial.

D. Industrial development shall be designed to minimize the negative impacts on lower intensity land uses through such means as, for example, landscaping and appropriate transitional uses including low scale professional offices or medium density residential development.

Policy 1.1.2.11: **Institutional (INST).** The Institutional land use category is intended to accommodate existing and planned public and semi-public services including: governmental buildings; public schools and educational institutions; hospital facilities and supportive health care units; arts and cultural or civic facilities; essential public services and facilities; cemeteries; fire and emergency operation facilities; utilities; extensive open areas comprising major committed public and semi-public open spaces, and other similar activities. The following criteria shall be used for determining appropriate locations for institutional land use designations on the future land use map.

A. Public, semi-public and institutional uses shall also be allowed within other land use categories as support uses and as provided for in the zoning regulations.

B. The City shall monitor the need for increased land area for public/institutional uses and shall assure that this land use category on the FLUM is expanded to accommodate the development of public and semi-public facilities (such as governmental buildings; fire, police and rescue services; educational institutions and similar public uses), and facilities that are generator of private sector activities (such as civic centers, museums and arena).

Policy 1.1.2.12: **Open Space/Recreational (OS-REC)**. The open space/recreational land use category is intended to accommodate existing and planned public and private parks and recreation areas and extensive open space areas such as the golf courses; and similar uses. The following criteria shall be used for determining appropriate locations for open space/recreation land use designations on the future land use map.

A. Except as required for other public purposes, publicly owned land identified as open space/recreational on the Future Land Use Map will only be used for park, recreational, and ancillary uses.

B. In designating open space recreational areas, the City will assure consistency with policies provided in the Recreation and Open Space Element.

C. Through the development review process and Capital Improvements Program, the City will attempt to link open space areas to residential areas by bikeways, sidewalks, or footpaths.

D. In developing open space and recreational areas, the City will minimize or eliminate the impact of active uses on sensitive environmental features to the maximum extent possible.

Policy 1.1.2.13: **Conservation (CONS).** The Conservation Future Land Use Category is intended to protect environmentally sensitive natural resource systems as defined in Chapter 163 Part II F.S. The following criteria shall be used for designating properties as Conservation on the Future Land Use Map.

A. Any Future Land Use Map amendment adopted after December 1, 2003 shall assign the Conservation Future Land Use Category to wetlands within the area subject to amendment**.**

B. The boundaries of the Conservation Future Land Use category may be adjusted to be consistent with a wetland jurisdictional line determination by the SJRWMD without the need for a comprehensive plan amendment. In those areas initially presumed but later determined not to be classified as a wetland will take on the future land use category assigned to the upland portion of the development site.

C. At the time of development, wetlands within the Conservation Future Land Use category shall be encumbered by a perpetual conservation easement.

D. Allowable uses, intensities, and impacts within the Conservation Future Land Use category shall be in conformance with those uses, intensities, and impacts listed in the Conservation Element.

Objective 1.1.3: Public Utilities. The City shall maintain regulations to require the provision of sufficient land area for the siting of public facilities and utilities to support development, redevelopment, land use plan amendments and changes to the zoning of a site.

Policy 1.1.3.1: Prior to the issuance of a building permit, the City shall review the impacts of all development proposals on existing public facilities and services to ensure that service levels are not degraded below adopted level of service standards as adopted in this Comprehensive Plan.

Policy 1.1.3.2: The City shall continue to require dedication of land for roadways, stormwater management and utilities.

Policy 1.1.3.3: Require new development to provide necessary services and facilities or to pay a fair share of the cost of those services and facilities, through impact fees, special assessments, exactions, conveyance of land or easements, pro-rata agreements or in-kind professional services directly related to the associated impact.

Policy 1.1.3.4: The City shall encourage requests for voluntary annexation of all the enclaves and logical extensions of the existing City limits to efficiently use public facilities and services, to eliminate areas of jurisdictional problems, and to provide for sound growth and development of the City and surrounding area.

Policy 1.1.3.5: The City shall examine the utility of developing a Joint Planning Area agreement with Brevard County to address future development along the County/City interface.

Objective 1.1.4: Redevelopment. The City shall encourage redevelopment of areas that are exhibiting evidence of decline (i.e., disproportionate number of vacant, dilapidated and/or substandard structures) through redevelopment programs and through maintaining land development regulations that contain standards and procedures to encourage redevelopment where desirable.

Policy 1.1.4.1: The City shall continue to promote vitality and redevelopment of the three community redevelopment areas established pursuant to Chapter 163, F.S.: Cocoa (Downtown) Redevelopment Area, Diamond Square Redevelopment Area and U.S. 1 Corridor Redevelopment Area.

Policy 1.1.4.2: The highest densities and intensities of use in the Cocoa Redevelopment Area are in the Central Business District (CBD), designated commercial areas to the northwest of the CBD, designated mixed-use along US 1 and SR 520, and designated high-density residential areas as shown on the Future Land Use Map. Development bonuses within the Cocoa (Downtown) Redevelopment Area are as follows:

A. Within the Cocoa (Downtown) Redevelopment Area, the maximum FAR shall be 2.0. A density bonus of up to an additional 2.5 FAR shall be allowable within the Central Business District outside the Cocoa Village Overlay sub-district.

B. Certain areas within the Cocoa (Downtown) Redevelopment Area may achieve up to an additional 25 units per acre.

Policy 1.1.4.3: The City shall redevelop the Central Business District as a viable business district while preserving the historic character of Cocoa Village and of adjacent historic resources, housing and residential neighborhoods, and with protecting natural resources.

Policy 1.1.4.4: The CBD overlaps with the Cocoa (Downtown) Redevelopment Area. The three redevelopment areas outside the CBD are intended to complement, and not compete, with the CBD.

Policy 1.1.4.5: The City shall protect and buffer residential areas in the Cocoa (Downtown) Redevelopment Area from uses of high density or intensity.

Policy 1.1.4.6: The City shall redevelop affordable housing in the Cocoa (Downtown) Redevelopment Area through rehabilitation programs and shall redevelop vacant lots for housing in residential areas by, for example, developing an affordable housing bonus program with the private sector.

Policy 1.1.4.7: The adopted Community Redevelopment Area plans shall be consistent with the City's Future Land Use Map.

Policy 1.1.4.8: The City shall continue to monitor and, as appropriate, conduct parking studies to examine the demand and availability of parking in the Cocoa (Downtown) Redevelopment Area.

Policy 1.1.4.9: On a continuing basis, the City shall review and update, as necessary, the Redevelopment Area Plans.

Policy 1.1.4.10: The City will encourage infill development and redevelopment in blighted areas or areas in transition, and encourage new housing development in appropriate areas where community services exist or are programmed to occur.

Policy 1.1.4.11: The City shall encourage the public to identify established neighborhoods in need of revitalization and develop neighborhood plans with resident participation to establish steps to clean up, reuse, infill and redevelop as needed.

Policy 1.1.4.12: The City shall coordinate redevelopment issues with the private sector to promote mobilization of public and private resources necessary to effectively carry out redevelopment efforts.

Objective 1.1.5: Neighborhood Protection. The City shall ensure that additional growth and development will be respectful of established neighborhoods that define much of the City's character.

Policy 1.1.5.1: More intense development such as commercial, mixed-use and industrial uses shall be designed to minimize the negative impacts on lower intensity land uses through such means as, for example, landscaping and appropriate transitional uses including low-scale professional offices or medium density residential development. In the absence of transitional land uses, potential adverse impacts to surrounding residential should be mitigated through the use of:

A. Buffer areas that will provide a separation between commercial and single-family residential structures;

B. Landscaping and/or trees separating the commercial and residential land use; and

C. Walls and/or opaque vegetative screens separating the commercial and single-family residential land use.

Policy 1.1.5.2: The City shall consider developing neighborhood plans, as needed, to either strengthen preservation of established neighborhoods or encourage redevelopment of transitional neighborhoods.

Policy 1.1.5.3: The City's land development regulations shall maintain appropriate standards and nuisance regulations to limit the impact of more intense development on established residential zones.

Objective 1.1.6: Historic and Archeological Resources. All development activities undertaken in the City will be consistent with and supportive of the plan's goals, objectives, and policies for protecting historic and archeological resources.

Policy 1.1.6.1: The City shall undertake the necessary steps to identify its historical and archeological resources and create a local register of historic places. The local register will list all the properties within the City that have been designated as an individual historic resource or historic districts.

Policy 1.1.6.2: The City shall consider creating design regulations to protect the locally designated historic sites and districts.

Policy 1.1.6.3: The City shall consider a historic preservation ordinance to protect significant historic, cultural and archaeological resources.

Policy 1.1.6.4: Nominations may, with the owner's consent, be made to the National Historic Registers based upon the periodic review of properties.

Policy 1.1.6.5: The City shall facilitate the education of the public regarding the significance and historic values associated with the City's architectural, historical, geological, and archaeological resources, and the costs associated with the loss of such resources.

Policy 1.1.6.6: The City shall give consideration to the establishment of an historic zoning district.

Policy 1.1.6.7: The City shall establish a program for public, private, or public and private purchase, within funding capabilities, of development rights to preserve properties identified as historically significant at local or national levels.

Policy 1.1.6.8: The City shall adopt land development regulations that include a requirement for development plans in any areas of the City to identify potential historic resources, to mitigate adverse impacts of development on potentially significant historic resources and to minimize any adverse impacts of development on sites or structures identified as historically significant, except when demolition is required because neither rehabilitation nor relocation is practical.

Policy 1.1.6.9: The City shall look for funding, including grants, to update and expand the 1991 "Historic Buildings of Cocoa" survey.

Policy 1.1.6.10: The location and density of new residential development shall be compatible with historic and natural resources.

Objective 1.1.7: Natural Resources. Natural resources, environmental lands and coastal resources shall be protected through identification, classification, planning and management, and limitations on use consistent with the degree of protection required.

Policy 1.1.7.1: The City shall protect and conserve its wetlands and wetland functions through the implementation of the Conservation Element.

Policy 1.1.7.2: The City shall regulate land use and development to protect water resources and the functions of natural drainage through limiting the percent of impervious coverage for development sites consistent with the Impervious Surface Ratios (ISR) contained in Figure FLU-1 and the Stormwater Management Element.

Policy 1.1.7.3: The City shall include regulations in its land development code that ensure consideration of topography and soil types in the review of

proposed development projects to ensure minimal impact on the environment.

Policy 1.1.7.4: Flood plains and floodways shall be identified during the development review process and development shall be limited consistent with FEMA requirements.

Objective 1.1.8: Coastal Planning Areas. The City shall ensure the protection of coastal resources such as marine wildlife, wetland areas, shoreline vegetation and water quality.

Policy 1.1.8.1: Proposed land use plan amendments shall be coordinated with the Brevard local mitigation strategy and the regional hurricane evacuation study.

Policy 1.1.8.2: Population densities in the Coastal High Hazard Areas (CHHA) shall be coordinated with the East Central Florida Regional Planning Council Hurricane Evacuation Study, as updated from time to time.

Policy 1.1.8.3: The City shall implement the applicable recommendations of the Brevard Local Mitigation Strategy as practical and feasible.

Policy 1.1.8.4: The City shall coordinate proposed land use plan amendments with the Indian River Lagoon Comprehensive Conservation & Management Plan and the Brevard County Manatee Protection Plan.

Policy 1.1.8.5: Construction of new marinas or improvements to the existing marinas shall be consistent with criteria listed in the Coastal Management Element.

Objective 1.1.9: Sustainability/Energy Efficiency. The City shall aim at achieving a sustainable/energy efficient environment by minimizing the emission of greenhouse gases and reducing the vehicle miles traveled.

Policy 1.1.9.1: The City shall encourage the development community to obtain green certifications under the United States Green Building Council, Florida Green Building Coalition, Florida Yards and Neighborhoods Program, Energy Star and Florida Water Star™ programs by providing incentives that make these certifications advantageous.

Policy 1.1.9.2: The City shall promote walking, bicycle riding and use of public transit by requiring compact design, shared facilities between adjacent or nearby uses, and providing for interconnected walkways, bicycle ways and parking, and bus stops as part of development approvals, where applicable.

Policy 1.1.9.3: The City shall continue to utilize and enhance bicycle parking standards, including quantity and location of bike racks, to help reduce parking demand and encourage the use of alternative transportation modes.

Policy 1.1.9.4: The City will support, as applicable, incentives and programs by State and federal governments to promote energy efficiency and conservation and the use of solar and other clean alternative energy sources. The City will also consider the provisions of incentives to support developers interested in building green projects.

Policy 1.1.9.5: The City will promote education of City Staff and public awareness in energy conservation practices and promote green certifications.

Policy 1.1.9.6: The City will support, as applicable, intergovernmental programs with adjacent jurisdictions to promote energy conservation and education.

Objective 1.1.10: Plan Implementation. The City shall maintain, amend and develop land development regulations that guide future growth and development, discourage the proliferation of urban sprawl and implement the goals, objectives and policies of this comprehensive plan.

Policy 1.1.10.1: The City shall maintain land development regulations as required by F.S. that shall contain specific and detailed provisions required to implement the Comprehensive Plan.

Policy 1.1.10.2: Future development and redevelopment activities shall be directed toward appropriate areas considering the topography, soil conditions and availability of facilities and services, and consistent with sound planning principles, minimal natural constraints, and the goals, objectives, and policies provided in the Comprehensive Plan.

Policy 1.1.10.3: Innovative land use development patterns, including PUDs and Cluster Zoning shall be permitted and encouraged in appropriate areas, as defined in the land development regulations.

Policy 1.1.10.4: The City may permit non-residential uses (e.g., schools, churches, recreational facilities, and other public uses) in residential areas where such uses are compatible with residential uses.

Policy 1.1.10.5: The City intends for future elementary and middle schools to be sited as closely to urban residential areas as practical, preferably within walking and/or bicycle distance of the primary residential areas to be served.

Policy 1.1.10.6: The City shall encourage the co-location of public facilities, such as parks, libraries, and community centers, with schools, to the maximum extent feasible.

Policy 1.1.10.7: Existing land uses which are incompatible or inconsistent with the City's Future Land Use Map will continue to be identified and addressed.

Policy 1.1.10.8: Within three years after the adoption of the comprehensive plan update, the City shall have eliminated all inconsistencies between the Official Zoning Map and the Future Land Use Map.

Policy 1.1.10.9: The City shall consider conducting a survey to identity the incompatible uses in the CRAs and major commercial corridors.

Policy 1.1.10.10: The City shall review the non-conforming section of the land development code to ensure its effectiveness.

Policy 1.1.10.11: Land development regulations must be made consistent with updates to the comprehensive plan within one year of the plan amendment submittal, as required by F.S.

GOAL 1.2: The City of Cocoa shall place a strong emphasis on requiring quality integrated mixed-use development to improve the appearance of the City, increase property values and achieve a higher quality of life for its businesses, residents and visitors.

Objective 1.2.1: Smart Growth Principles. New development in the City shall incorporate "Smart Growth" principles that will lead to compact development standards as opposed to conventional development standards that encourage urban sprawl.

Policy 1.2.1.1: The City should encourage public-private partnership to develop mixed-use projects at key-locations in the Central Business District, and entice others to do the same.

Policy 1.2.1.2: Development in the Mixed-Use land use category shall provide pedestrian-friendly street design (examples: buildings close to street; providing porches, windows and doors oriented to the street; tree-lined streets; hidden parking lots; garages in rear; narrow, slow-speed streets).

Policy 1.2.1.3: The City shall consider development incentives to encourage developers to revitalize/redevelop abandoned strip malls and commercial sites by converting them into mixed-use developments.

Policy 1.2.1.4: The City shall adopt a pedestrian routes and bike trails master plan. The plan may identify primary and secondary pedestrian routes and bike routes that will connect neighborhoods to parks, downtown and other major destinations in the City.

Policy 1.2.1.5: The City shall increase coordination with SCAT to integrate bike routes and public transit in the City, to increase the transit safety and to expand the transit service routes.

Policy 1.2.1.6: New development, as well as infill development shall provide interconnected street grid networks, where feasible, to disperse traffic and encourage walkability. Developments may include a hierarchy of

f narrow streets, boulevards and alleys; high-quality pedestrian networks; designs that encourage a greater use of bicycles, rollerblades, scooters and walking as daily transportation; connectivity to public transit; and a land use mix that demonstrates reduced external trips by encouraging internal trips.

Policy 1.2.1.7: Developments that require site plan review and approval shall be evaluated on the use of site and building design that emphasizes beauty, aesthetics, human comfort, creating a sense of place, special placement of civic uses and sites and human-scale architecture and amenities, especially at street level.

Policy 1.2.1.8: Building height and intensification should follow a transect approach, with maximum intensities and heights (>80') allowed in the central business disitirct, medium intensities and heights (40' to 80') allowed within the mixed-use district, and the lowest intensities and heights (<40') allowed when transitioning into established low-density neighborhoods.

Objective 1.2.2: Image and Identity. The City shall maintain and update its vision for the City's urban form as needed.

Policy 1.2.2.1: The City shall examine the feasibility of establishing form-based design guidelines for City-wide as well as for specific areas in the City including CRAs, major corridors and waterfront. The standards could include streetscape standards, building signage, architectural styles and gateway designs to highlight the entrances to the City.

Policy 1.2.2.2: The City shall develop residential and commercial design standards to ensure attractive, compatible, safe, high-quality development and to encourage Crime Prevention Through Environmental Design (CPTED) principles in order to increase the safety of commercial and residential development.

Policy 1.2.2.3: The City shall evaluate the need to amend the Land Development Code to incorporate CPTED principles for residential and commercial developments.

GOAL 1.3: The City of Cocoa shall enhance the quality of life and prosperity of its citizens through the retention and creation of a wide range of profitable business opportunities and jobs.

Objective 1.3.1: Economic Base Enhancement. The City of Cocoa shall seek to establish and maintain a stable and growing economic base through strategic incentive programs and diversification of the economy.

Policy 1.3.1.1: The City will establish a list of the types of businesses it should target to diversify the economy, which shall be known as "target businesses." Efforts to assist the retention and expansion of local business and attract new enterprises shall be concentrated on industry clusters which will make the greatest contribution to job growth and wealth creation.

Policy 1.3.1.2: The City shall recruit targeted business sectors to diversify the economy through an aggressive strategic marketing program, including utilization of publications and a website, providing information and matching sites and services to prospective businesses, impact fee subsidies and other incentives.

Policy 1.3.1.3: The City shall continue to assist developers of new and renovated commercial development by providing technical and administrative support regarding permitting and regulations to maintain a production capacity level sufficient to meet the demand. Technical assistance may include, but not be limited to the following:

- Continue to foster partnerships with private and non-profit sector business groups that can help a business relocate,
- Provide assistance in how to meet the development review requirements of the City and other regulatory agencies; and
- A shortened review process for qualified businesses.

Policy 1.3.1.4: The City shall work to improve the efficiency and convenience of its development review services to its business customers.

Policy 1.3.1.5: The City shall provide referral services to appropriate agencies for information and assistance to prospective and growing businesses in meeting zoning and infrastructure standards as well as requirements imposed by various government agencies.

Policy 1.3.1.6: The City will target businesses with incentive packages and programs including, Federal Opportunity Zones, Small Business Assistance programs, Community Façade Programs, HUB Zones, Tax Abatement programs, Brownfield Redevelopment program and Foreign Trade Zone.

Policy 1.3.1.7: The City shall consider adding to the stock of available commercially, recreational and industrially zoned lands as when supply and demand begin to dictate need for more land.

Policy 1.3.1.8: The City shall maintain an office of Economic Development to

coordinate between agencies, to develop economic development programs, to retain existing businesses and to actively recruit "target businesses" to the City.

Policy 1.3.1.9: To involve community stakeholder, the City should consider creating an Economic Development Advisory Board consisting of local community and leaders.

Policy 1.3.1.10: The City shall continue efforts to promote business/convention tourism, ecotourism, and sports related tourism in cooperation with the Brevard County Tourist Development Council**.**

Policy 1.3.1.11: The City of Cocoa shall coordinate its economic development programs with other agencies, such as the Economic Development Commission of Florida's Space Coast to expand opportunities.

Objective 1.3.2: Maintain Infrastructure. The City shall maintain adequate infrastructure for encouraging economic activities in the industrial and commercial sectors.

Policy 1.3.2.1: To the extent financially feasible, the City shall continue providing adequate supporting infrastructure (i.e. paved streets, sanitary sewer, drainage, potable water, etc.) in strategic locations throughout the City to appropriately entice economic development.

Objective 1.3.3: Workforce/Wage Enhancement: The City shall improve the quality of life and employability of its citizens by promoting and attracting high technology industries, and higher education opportunities.

Policy 1.3.3.1: To improve the training and education of its work force, the City of Cocoa shall coordinate with the Brevard County Public Schools, Brevard Community College, Webster University and the University of Central Florida.

Policy 1.3.3.2: The City shall work with other government agencies and businesses to match education opportunities to educational and employment needs.

CITY OF COCOA
COMPREHENSIVE PLAN

FUTURE LAND USE ELEMENT

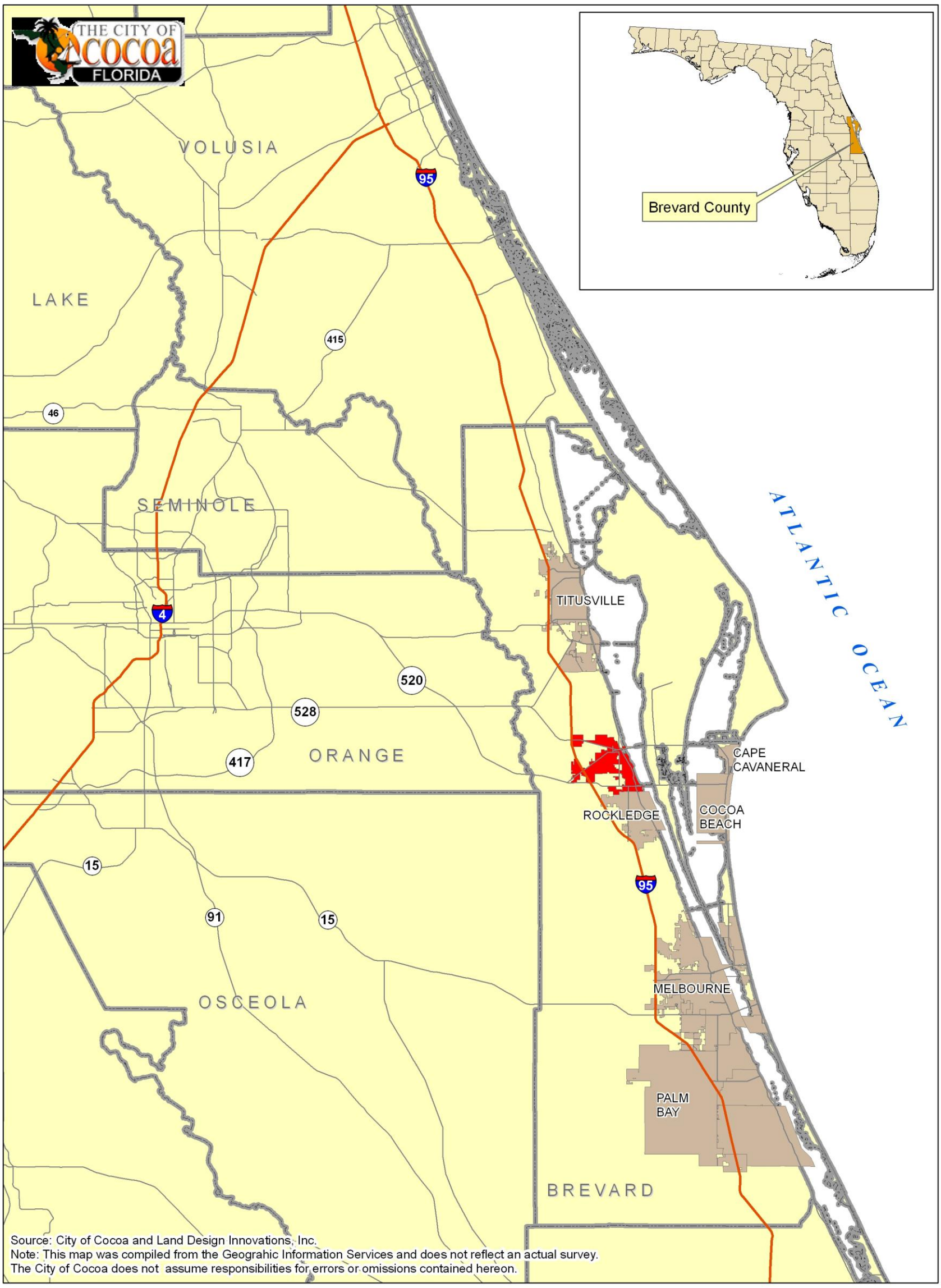
MAPS

February 26, 2020

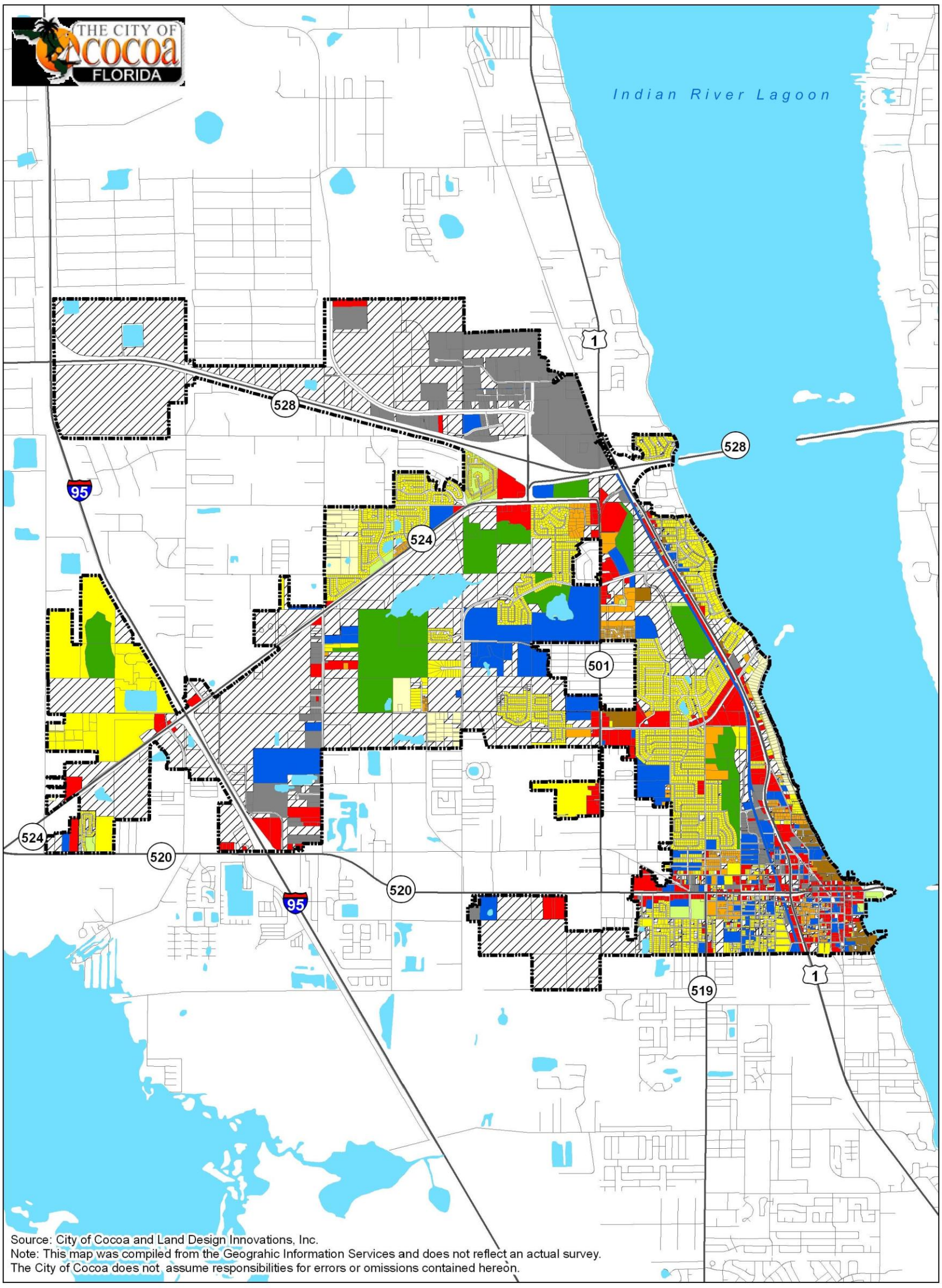
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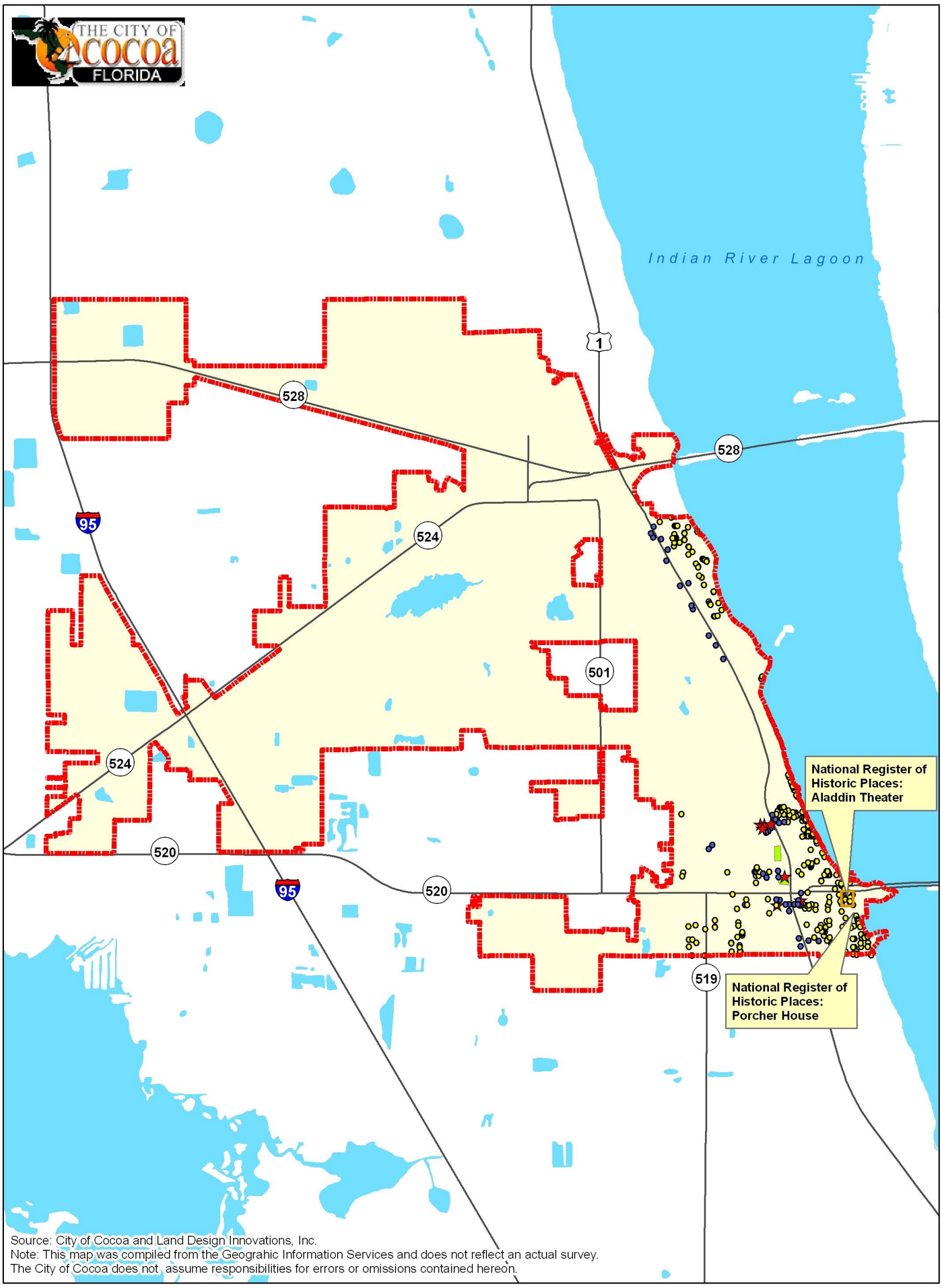
Map M-I-1: Location Map



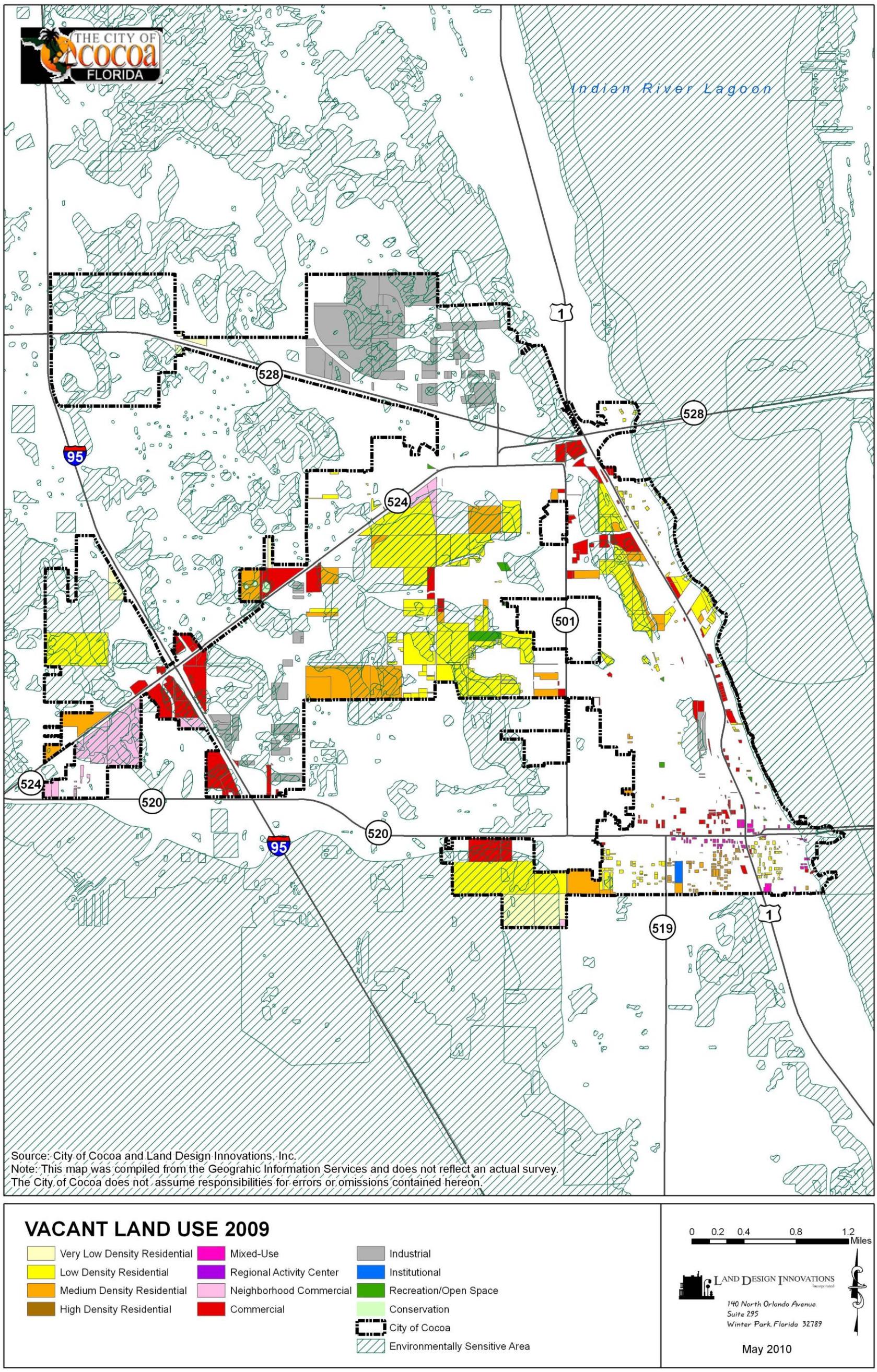
Map M-I-2: Existing Land Use Map



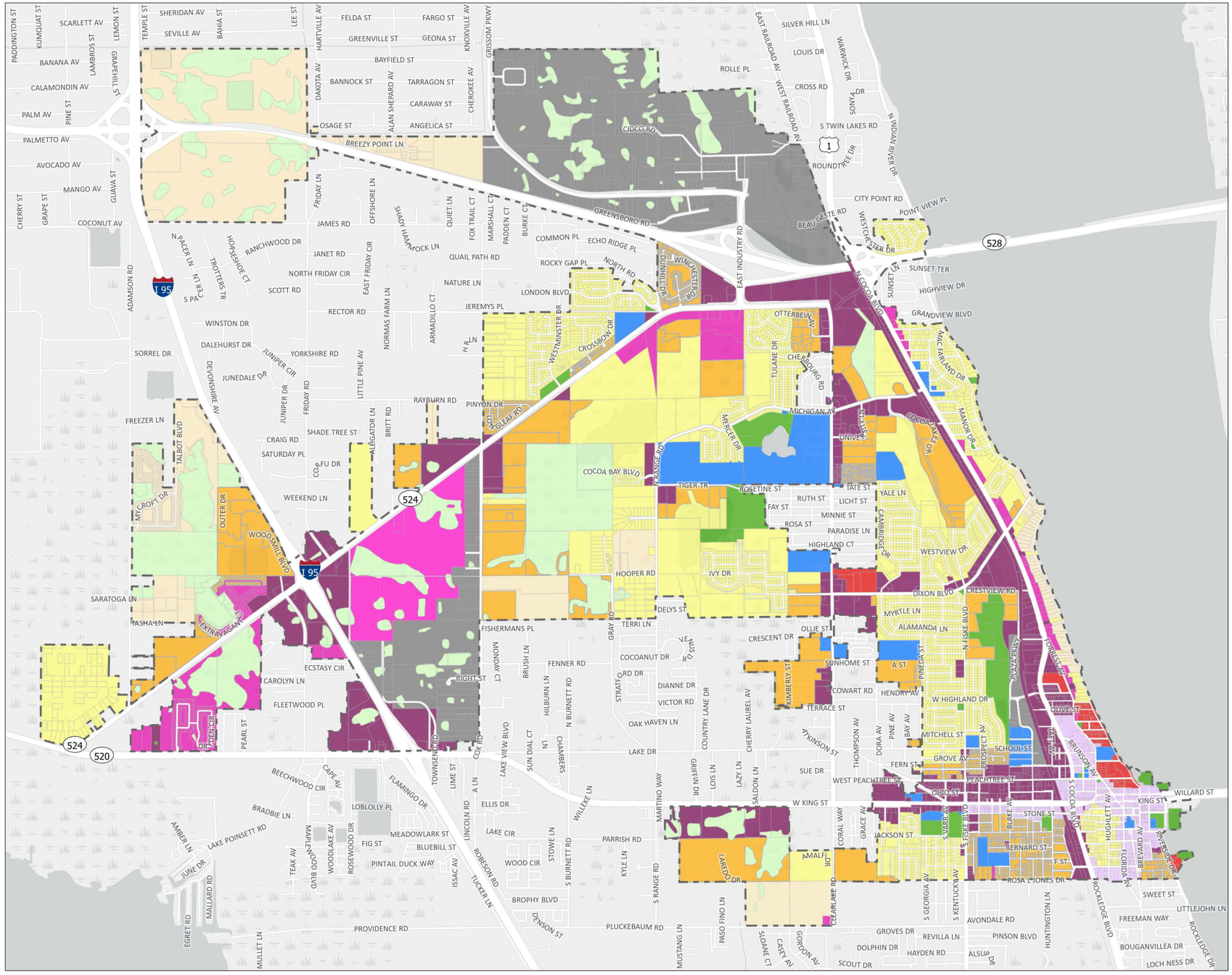
Map M-I-3: Historical Resources



Map M-I-6: Vacant Land by Future Land Use Category



Map M-I-7: Future Land Use Map



Future Land Use Map

May 30, 2024

Cocoa City Boundary

Future Land Use

- Very Low Density Residential
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Neighborhood Commercial
- Commercial
- Mixed Use
- Industrial
- Conservation
- Institutional
- Recreation/Open Space
- Regional Activity Center
- County Zoning

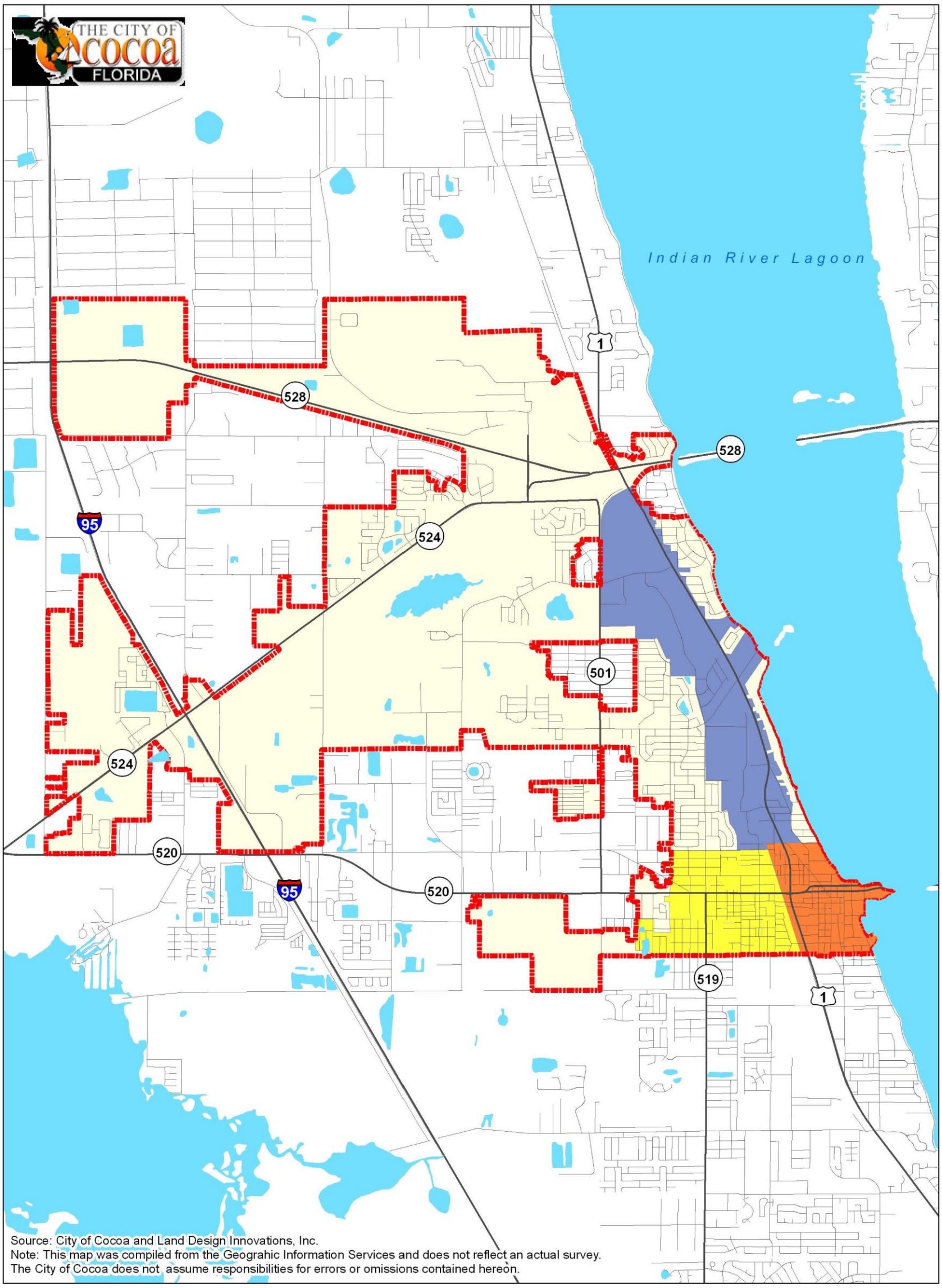
0 0.5 1 Mile

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only. ©2024

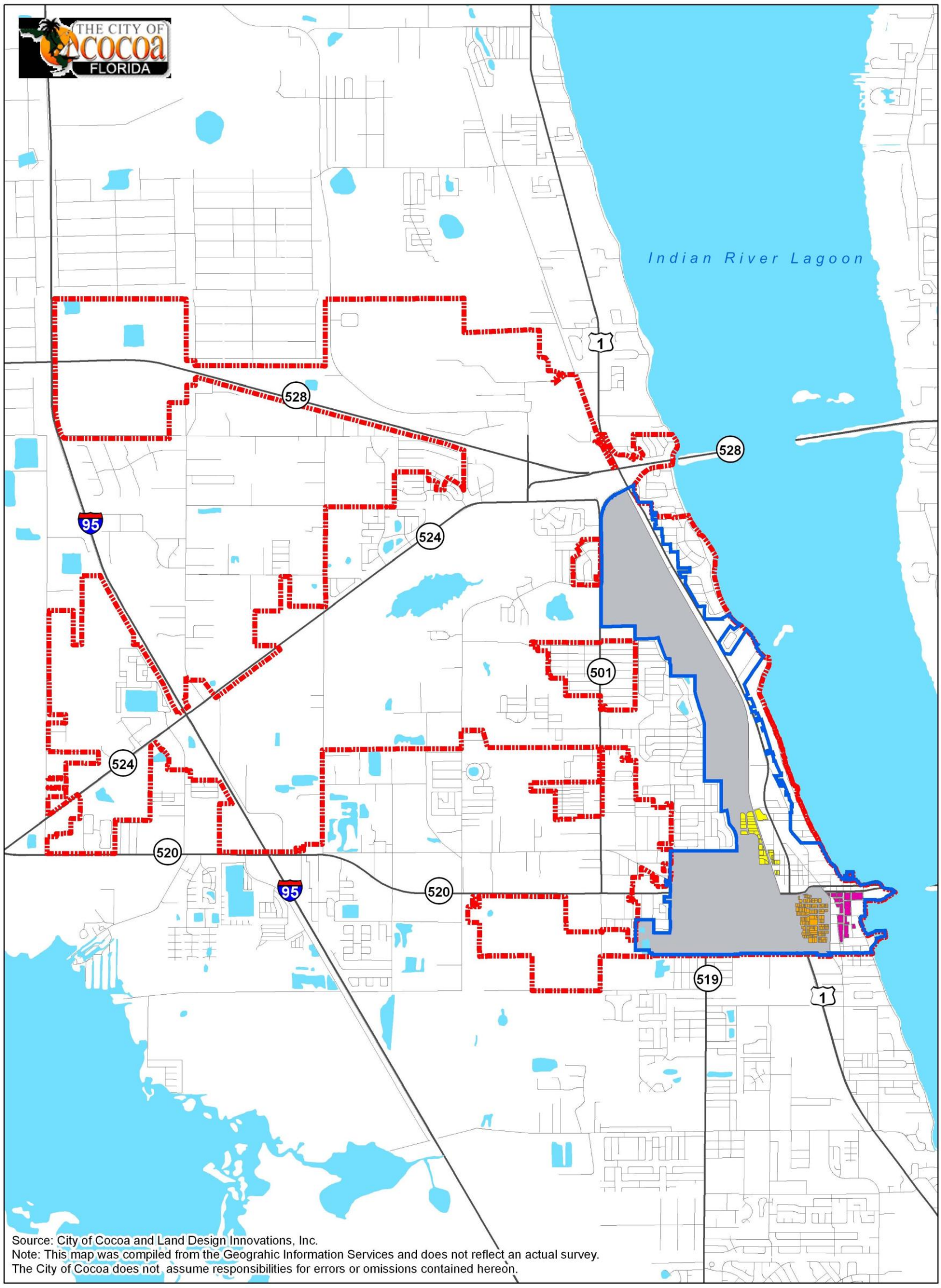
Map M-I-7

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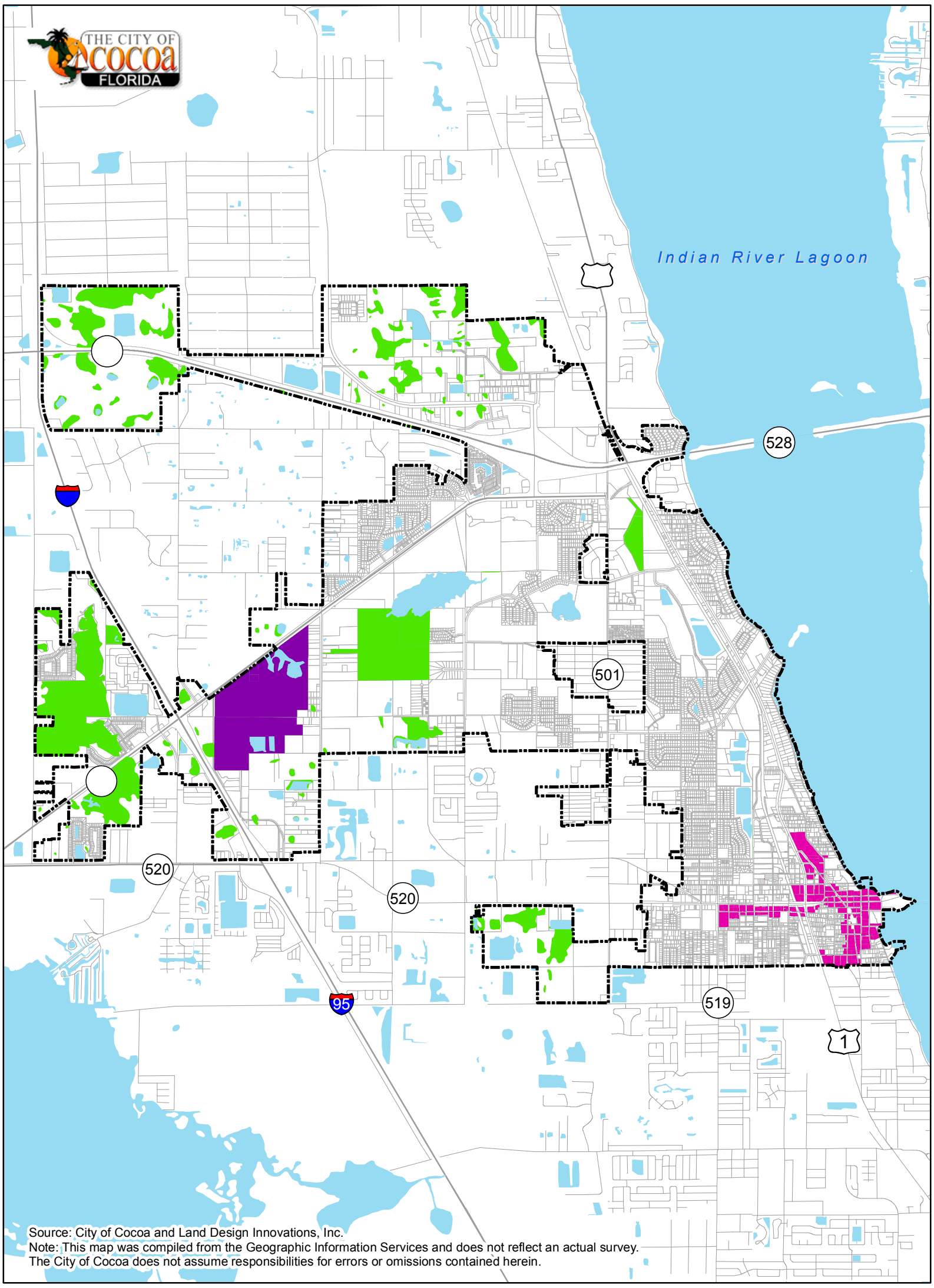
Map M-I-8: Community Redevelopment Areas



Map M-I-9: Enterprise Zones and Special Economic Development Districts



Map M-I-10: Energy Conservation Areas Map



II - TRANSPORTATION ELEMENT

Serving the Community

GOAL 2.1: The City shall provide a safe, efficient, and comprehensive multi-modal transportation system available to all residents of and visitors to the City of Cocoa. When possible, these facilities should be developed so as to enhance the City's greenways.

Objective 2.1.1: Functionality. The City shall maximize existing roadway functionality through alternate modes of transportation.

Policy 2.1.1.1: The City shall maintain for the purpose of issuing building permits and development orders the following list of major roadway facilities:

City of Cocoa Jurisdiction		**Minimum LOS**
Forrest Avenue		E
Cox Road (within city limits)		E
Fiske Boulevard (from SR 520 to Dixon Boulevard)		E
Indian River Drive (C.R. 515)		E
Peachtree Street (from Clearlake Road to U.S. 1/S.R. 5)		E
Florida Avenue (within city limits)		E
Other or Multi-Jurisdictional	**Jurisdiction**	**Minimum LOS**
Pineda Street (from Lake Drive to SR 501)	City/County	E
Michigan Boulevard	County	E
Dixon Boulevard	County	E
Range Road	County	E
Rosetine Street	County	E
Adamson Road (SR 524 to Pine)	County	D
Friday Road (SR 524 to SR 520)	County	E
Grissom Parkway (Industry to Canaveral Groves)	County	E
Industry Road (SR 524 to Grissom Pwky)	County	E
SR 528 (Beachline Expressway)	State	D
SR 520 (from Clearlake Road to U.S. 1/ S.R. 5)	State	D
SR 520 (from SR 524 to Burnett Rd)	State	D
SR 519 (Fiske Boulevard south of SR 520)	State	D
U.S. 1/S.R. 5 (from SR 528 to south of SR 520)	State	D
SR 501 (Clearlake Road)	State	D
Interstate Highway 95 (I-95) (SR 519/Fiske Blvd to SR 520)	State	E
Interstate Highway 95 (I-95) (SR 520 to SR 524)	State	E
Interstate Highway 95 (I-95) (SR 524 to SR 528)	State	E

Policy 2.1.1.2: The City shall require that traffic signalization, roadway signage, roadway intersections and operational capacities are designed to optimize traffic flow and enhance the roadway network on City-controlled streets. The City shall carry out the following actions on local streets as necessary, and shall petition the county and state, as appropriate, for action on county and state roadways:

A. Traffic signals shall be computer-coordinated or fully actuated to affect optimal flow to the maximum extent possible;

B. Roadway signage shall conform to the Manual of Uniform Traffic Control Devices (MUTCD) and provide a safe, clear indication of roadway design geometry, traffic hazards, upcoming roadways, and other applicable standards;

C. Roadway intersection design shall include adequate storage lanes and turning lanes to facilitate movement through intersections;

D. Ordinances shall be reviewed and amended as necessary in order to require safe and convenient flow of on-site traffic. Parking for motorized and non-motorized vehicles shall be regulated ; and

E. Intersections shall be designed in accordance with appropriate access management and design manuals.

Objective 2.1.2: Transportation Concurrency. The City shall ensure that transportation facilities are available at the time of development.

Policy 2.1.2.1: Since 2009, the City has been exempt from state-mandated transportation concurrency. However, the City will continue to monitor transportation as a matter of local law as addressed in this Comprehensive Plan.

Policy 2.1.2.2: As part of the Concurrency Management System, the City shall review proposed new developments for their impact on the roadway network.

Objective 2.1.3: Mobility Strategies. The City shall develop mobility strategies to reduce the dependency on vehicles, reduce vehicle miles traveled and enhance alternative modes of transportation.

Policy 2.1.3.1: The City shall develop transportation mobility strategies that ensure the improvement of alternate modes of transportation and ultimately reduce the dependency of the automobile and include, but are not limited to:

A. Providing a network of local streets, collectors and arterials to relieve traffic demand on state and federal highways, including development of parallel roadway facilities, grid street network and connectivity to disperse travel, and to provide convenient pedestrian and bicycle facilities;

B. Managing access and traffic operations to minimize traffic accidents, avoid traffic backups and make the most efficient use of highway capacity, including signal timing optimization, access management plans and strategies, transportation systems management measures, and railroad grade crossing improvements;

C. Managing traffic demand, where feasible, to manage peak hour traffic loads on major arterials, including working with local employment centers to implement staggered work shifts and flex time programs, telecommuting, ridesharing and vanpool programs, compressed work weeks and parking management;

D. Providing alternative modes of transportation such as bicycle and pedestrian facilities, expanded transit service, park and ride facilities; and

E. Managing land use to limit vehicular demand on state and federal highways by encouraging compact land use and infill, transit oriented development, mixed use and higher density land use patterns.

Policy 2.1.3.2: The City shall evaluate the use of mobility fees in lieu of transportation impact fees.

Objective 2.1.4: Proportionate Fair Share. The City shall require new development to bear the full burden of the cost of roadway improvements necessitated by impacts to the roadway network caused by traffic generated by said development through the adopted site approval process.

Policy 2.1.4.1: The City shall utilize the principle of equitable cost participation in the following manner as a guide in development approval decisions, including allocation of costs among private parties benefiting from or creating the need for transportation improvements:

A. New development shall be required to pay its fair share as a condition for development approval based on impact fees, special assessments or other local exaction methods.

B. Existing unmet needs shall be identified, to include an assessment of the need and estimated cost of fulfillment. Assessment shall occur on an annual basis preceding budget adoption.

C. Existing land uses and activities which benefit from better access shall be required to participate in the cost of the roadway improvement in the form of user fees or special assessments. New construction that is located on land improved with better access may be required to pay a pro-rata share of the cost.

D. Provisions shall be made in development orders to include the mitigation of adverse impacts on the state highway system.

Objective 2.1.5: Right-of-Way Preservation. The City shall formally identify right-of-way needs and a priority schedule for acquisition or reservation shall be maintained. Protection of existing right-of-way from building encroachment shall be assured.

Policy 2.1.5.1: The City shall require the dedication of rights-of-way and easements to support private development-related traffic and to maintain adequate levels of service on the roadway network. The developer shall bear the expense of the improvement through donation or dedication of rights-of-way to the extent legally permissible. The City may participate in the expense of the improvement only if the City determines that participation will significantly benefit the general public.

Policy 2.1.5.2: The City shall require that if the transfer of property is to be compensated by the entity building the roadway, the land value shall be assessed on the condition of the land prior to road improvements, not on an inflated value due to a new roadway being present.

Policy 2.1.5.3: The City shall reserve or pursue the purchase of right-of-way as far in the future as possible for planned roadway projects, so as to minimize excessive costs for land purchases and so that the locations and widths of these roads can be considered in ongoing transportation system planning and design activities.

Policy 2.1.5.4: The City shall initiate and coordinate the dedication of right-of-way necessary for roadway improvements identified in the TPO Plan or other officially recognized long-range plan with FDOT and Brevard County.

Policy 2.1.5.5: The City shall seek alternative funding sources for roadway improvements, including but not limited to, tax increment financing.

Objective 2.1.6: Pedestrian and Bicycle Facilities. The City shall ensure safe and adequate movement of pedestrians and bicyclists.

Policy 2.1.6.1: The City shall conduct pedestrian movement and safety studies to determine high travel patterns and accident areas, and remedial actions shall be taken by the City where feasible and practical to mitigate safety problems where conditions have been determined to be unacceptable.

Policy 2.1.6.2: For new development and redevelopment projects, the City shall require sidewalks to be provided where feasible and appropriate along all roadways in or near residential areas that lead to:

- recreation facilities;
- schools;

- commercial centers; and
- employment centers when the need for such facilities has been identified.

Policy 2.1.6.3: The City shall consider bicycle facilities as components of standard design criteria for new and reconstructed roadway facilities of regional significance, except for expressways and freeways, in urban areas pursuant to the requirements of Section 335.065, F.S.

Policy 2.1.6.4: The City shall continue to promote bicycle safety education and encourage local safety personnel to conduct periodic presentations as part of other safety programs.

Policy 2.1.6.5: The City shall assess high vehicle and bicycle/pedestrian conflict areas periodically and a program for lessening the propensity for conflicts shall be initiated.

Objective 2.1.7: Reduction of Greenhouse Gas Emissions. The City shall develop strategies through transportation decisions and planning to address the reduction of greenhouse gas emissions, energy conservation and energy-efficient design.

Policy 2.1.7.1: The City shall coordinate with SCAT to promote car-pooling opportunities for commuters with the same destination.

Policy 2.1.7.2: The City's land development regulations shall require new and infill development and redevelopment, when feasible, to provide interconnections and access to existing and planned multi-modal transportation facilities, including sidewalks and bicycling and transit facilities.

Policy 2.1.7.3: The City shall coordinate with Brevard County, the Space Coast TPO and adjacent municipalities to:

A. Initiate a marketing campaign to promote bicycle, pedestrian and other non-motorized transportation options.

B. Provide additional multi-modal transportation facilities, including sidewalks and bicycle paths/lanes and the expansion of transit service to include a circulator route in the City and vicinity if warranted by ridership and vehicular usage trends.

C. Upgrade existing and provide new transit facilities as warranted such as park and ride lots, bus stops, bus shelters and signage.

Policy 2.1.7.4: In order to discourage urban sprawl, encourage infill development, reduce greenhouse gases and congestion, the City shall evaluate several strategies for alternatives to transportation concurrency including, but not limited to a Transportation Concurrency

Management Area (TCMA), Multi-modal Transportation District (MTD) and Long Term Transportation Concurrency Management System (LTCMS).

Policy 2.1.7.5: The City shall include landscaping and streetscaping as roadway design components in order to enhance the aesthetic and safety of roadways for all users.

Policy 2.1.7.6: The City shall pursue grant opportunities for median landscaping and road beautification.

Objective 2.1.8: Transportation Facilities Improvement Coordination. The City shall continuously coordinate transportation improvement requirements with all other affected governmental entities to ensure that the efficient and cost-effective course of action is followed. Annual plan updates shall consider the FDOT 5-Year Transportation Plan, the Space Coast Transportation Planning Organization and the plans of neighboring jurisdictions.

Policy 2.1.8.1: The City shall continuously coordinate with local, TPO, regional and state plans to accomplish interlocal solutions to the transportation needs and problems of the City.

Policy 2.1.8.2: The City shall seek coordinating actions or interlocal agreements between local government entities for the purposes of addressing transportation impacts of a development project in one jurisdiction on an adjacent jurisdiction based upon actual traffic loadings contributed by the project, the development of the transportation elements of comprehensive plans (Section 163.3177, F.S.) and in ensuring that transportation planning and programming are part of the comprehensive planning process in the region.

Policy 2.1.8.3: The City shall conduct interagency coordination to determine and designate transportation corridors of major statewide or regional significance to develop strategies to provide for the orderly and systematic acquisition of rights-of-way located within the designated corridors and to develop transportation facilities and services within the corridors.

Policy 2.1.8.4: The City shall coordinate with FDOT and Brevard County to develop a road improvement program which will result in the modernization of state and county roads within the City by changing the design of these roads from the existing "rural section" with swales to an "urban section" with curbs, sidewalks and subsurface drainage.

Policy 2.1.8.5: The City shall continue to partner with property owners, the Space Coast TPO, Brevard County, the FDOT and other government

agencies to construct new transportation corridors to relieve arterial and collector road congestion.

Objective 2.1.9: Scenic Roadways Program. The City shall continue to support the Florida Scenic Highways and National Scenic Byways programs.

Policy 2.1.9.1: The City shall continue to utilize the scenic highways and byways programs for the purpose of protecting and maintaining the appearance and aesthetics of each scenic roadway.

Policy 2.1.9.2: The City shall evaluate levels of service standards and standard roadway widths, rights-of-way and other roadway-related requirements on designated scenic roadways where the value, significance, or maintenance of the character and appearance of a scenic roadway outweighs the benefits of increasing vehicular capacity or other considerations.

Objective 2.1.10: Coordination with Future Land Use. The City shall coordinate transportation planning with the land uses shown on the Future Land Use Map, the FDOT 5-Year Transportation Plan, the Space Coast TPO Long Range Transportation Plan and plans of neighboring jurisdictions.

Policy 2.1.10.1: The City's Community Services Department shall review subsequent versions of the FDOT 5-Year Transportation Plan, in order to update or modify this element, if necessary.

Policy 2.1.10.2: The City shall review, for compatibility with this element, the transportation plans and programs of the unincorporated county and neighboring municipalities as they are amended in the future.

Policy 2.1.10.3: All proposed amendments to this Transportation Element shall include a statement of findings supporting such proposals.

Policy 2.1.10.4: As warranted, the City shall undertake a traffic study that will determine the origin and destination of traffic from outside the City in order to better account for who should bear the cost for future road improvements.

Objective 2.1.11: Access. Access to minor arterials, major arterials, expressway, and to a lesser extent, collectors, shall be limited in the following manner by the City, County and the Florida Department of Transportation in order to maximize their traffic-carrying capacity and safety.

Policy 2.1.11.1: The functional classification of each roadway segment being used as a basis for determining the number of access points allowed and types and extent of traffic flow enhancement measures needed to maintain the capacity.

Policy 2.1.11.2: The issuance of access and connection permits to the roadway network shall be limited to the minimum number necessary to provide safe and reasonable access.

Policy 2.1.11.3: Deceleration lanes being required at all access points on collectors, minor arterials, major arterials, and expressways.

Policy 2.1.11.4: Shared access points being used wherever possible in order to minimize the necessity of one or more access points to adjacent small businesses.

Policy 2.1.11.5: The need for and feasibility of frontage roads being constructed along new or reconstructed major arterials and expressways to increase roadway capacity and to reduce conflicts between local and through traffic.

Policy 2.1.11.6: Access points to parcels with frontage along two or more roadways being located on the roadway of lower functional classification.

Objective 2.1.12: Public Transit. Public transit services shall be based on existing and proposed major trip generators and attractors, new subdivisions, and population growth.

Policy 2.1.12.1: The City shall conduct annual coordination meetings with the Space Coast Area Transit (SCAT) to identify new major trip generators and attractors, new subdivisions and population growth areas in order to establish new public transportation management solutions and routes.

Policy 2.1.12.2: The City shall encourage land uses which promote public transportation in public transportation corridors.

Policy 2.1.12.3: The City shall coordinate with Brevard County, Space Coast TPO, neighboring municipalities, and SCAT to determine needed public transit stops, terminals, maintenance, and improvements to serve the general population and identified special needs populations.

Policy 2.1.12.4: Service provision, including planned transit stop improvements and transit services, for the transportation disadvantaged shall be monitored, through the coordination with Brevard County, to ensure that this segment of the population has adequate mobility.

Policy 2.1.12.5: Transit should routinely be considered as an alternative to roadway widening and as a supplement to roadway improvement projects.

Policy 2.1.12.6: Land development regulations should be periodically reviewed to ensure that development allows and encourages accessibility to public transit.

Policy 2.1.12.7: The City shall consider establishing incentives to be offered to developers that provide access to public transit.

Policy 2.1.12.8: Transportation and mobility shall be monitored using measurable indicators including modal split, annual transit trips per capita, and automobile occupancy rates.

Objective 2.1.13: Alternate Routes to Intrastate System. The City shall establish strategies to facilitate local traffic to use alternatives to the Florida Intrastate System to protect its inter-regional intrastate functions.

Policy 2.1.13.1: New major collectors and arterials shall be constructed in such a manner to help alleviate traffic volumes on the intrastate system.

Policy 2.1.13.2: Synchronization of traffic signals shall occur on all existing major collectors and arterials to reduce the negative impacts of stop and go movements.

Policy 2.1.13.3: Intersectional improvements shall occur on all existing major collector and arterials where necessary to reduce the negative impacts of delayed turning movements.

Policy 2.1.13.4: The ongoing accident surveillance program shall continue to be maintained by the City's Police Department.

Objective 2.1.14: Intermodal Facilities. The City shall coordinate with the Canaveral Port Authority, the Florida East Coast Railroad, and the Space Coast Executive Airport to maximize use of intermodal transportation nodes.

Policy 2.1.14.1: The City shall continue to conduct coordination meetings with the Florida East Coast (FEC) Railroad and Amtrak to establish a future passenger transportation terminal within the City limits.

Policy 2.1.14.2: The City shall conduct annual coordination meetings with the Space Coast Executive Airport and the Canaveral Port Authority to share information on their facility improvements, and the City's future growth and all Developments of Regional Impact (DRI).

Policy 2.1.14.3: The City shall continue to be receptive to alternate means of public transportation which will reduce the demand on the existing infrastructure system.

Policy 2.1.14.4: The City shall develop Transit Oriented Development (TOD) design criteria in the Land Development Regulations.

Objective 2.1.15: Parking. The City shall develop parking strategies to support the transportation goals.

Policy 2.1.15.1: The City shall seek a public-private partnership to help establish a multi-use, multi-level parking facility to reduce traffic congestion and increase pedestrian safety, reduce the amount of surface parking lots and increase green space within the Central Business District.

Policy 2.1.15.2: New development shall consider parking for motorized and non-motorized vehicles in site design.

Policy 2.1.15.3: The City shall update parking standards to minimize the amount of surface parking through the establishment of maximum parking standards and shared and co-located parking.

CITY OF COCOA
COMPREHENSIVE PLAN

TRANSPORTATION ELEMENT

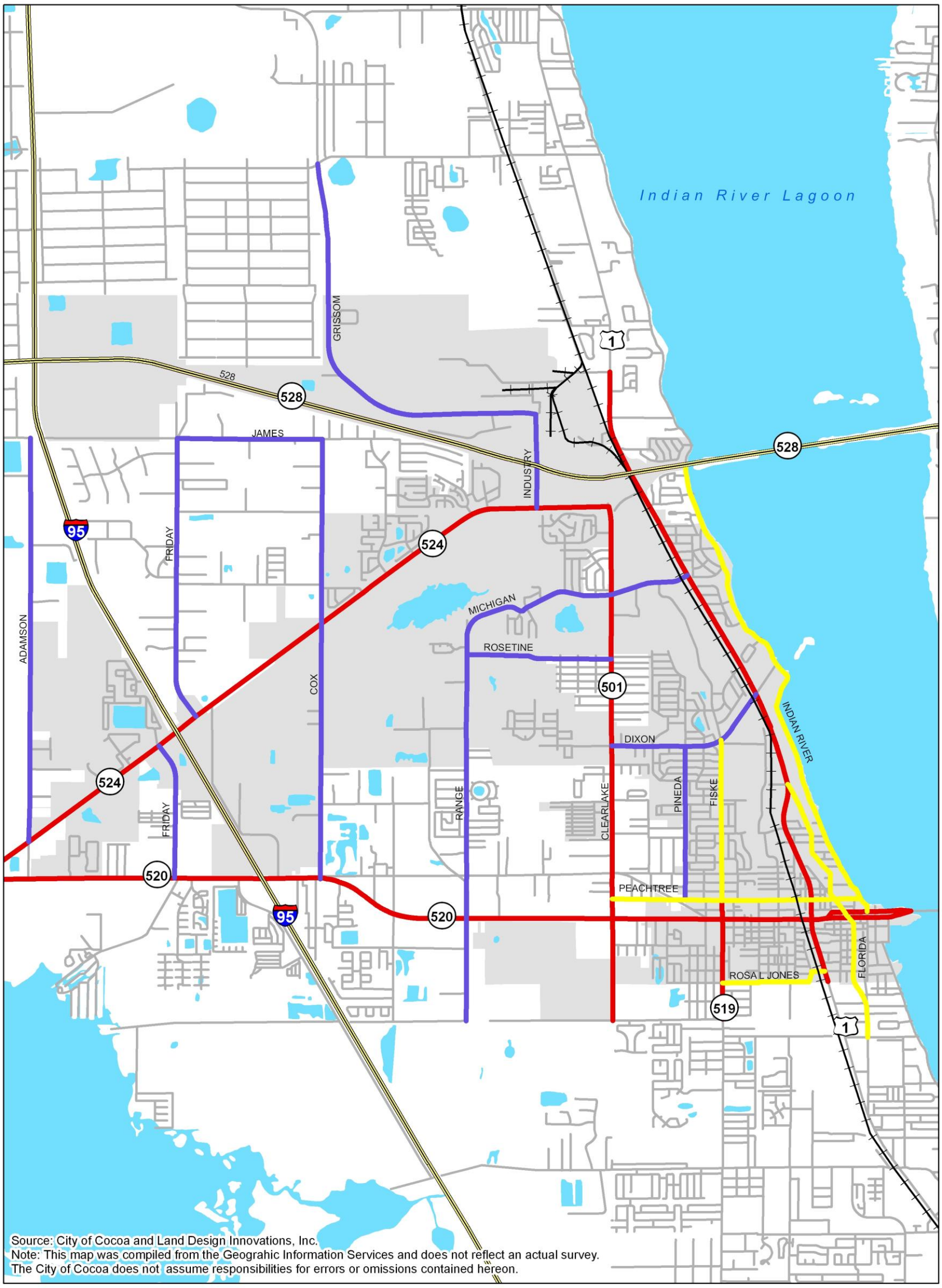
MAPS

October 2010

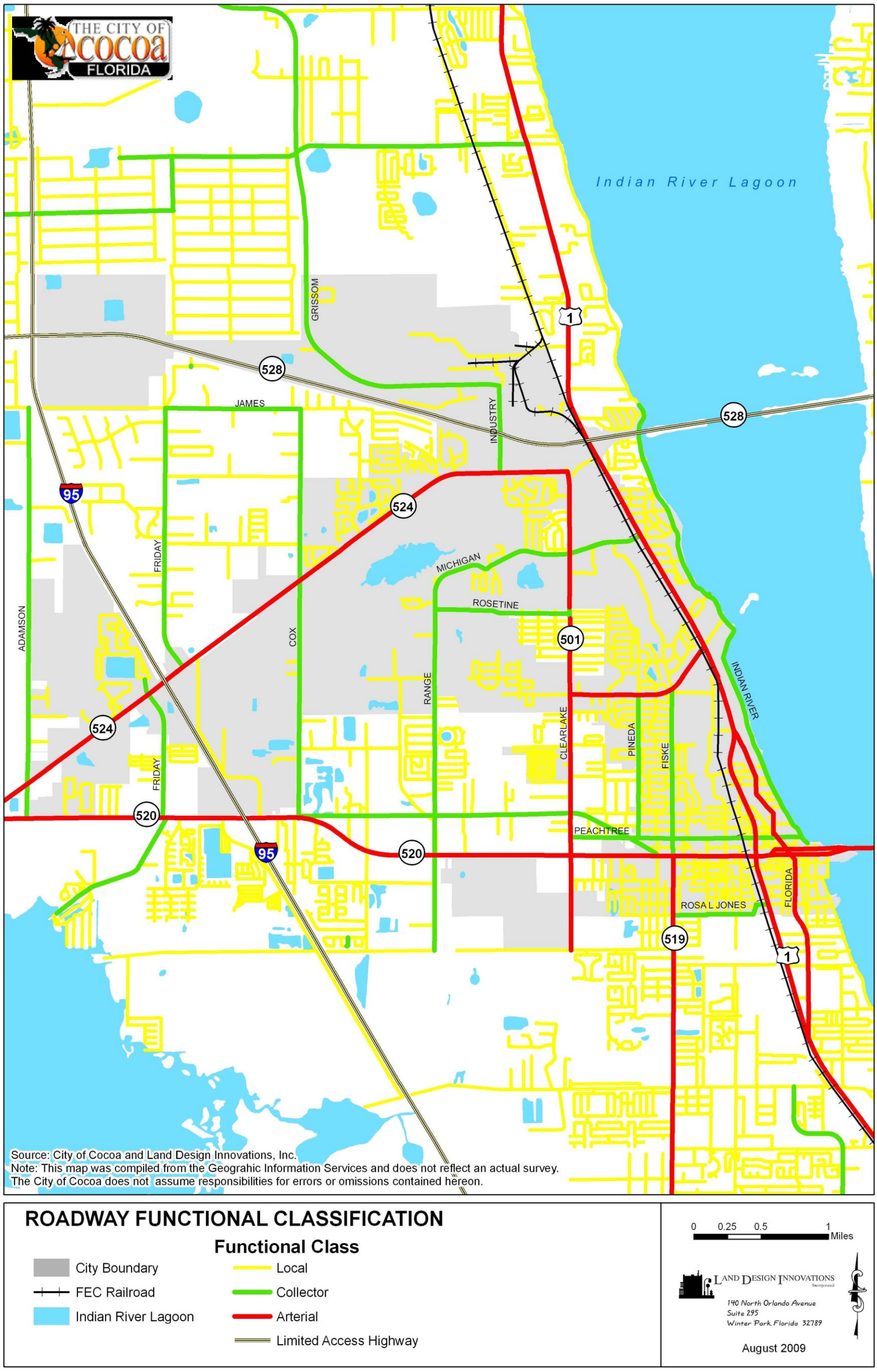
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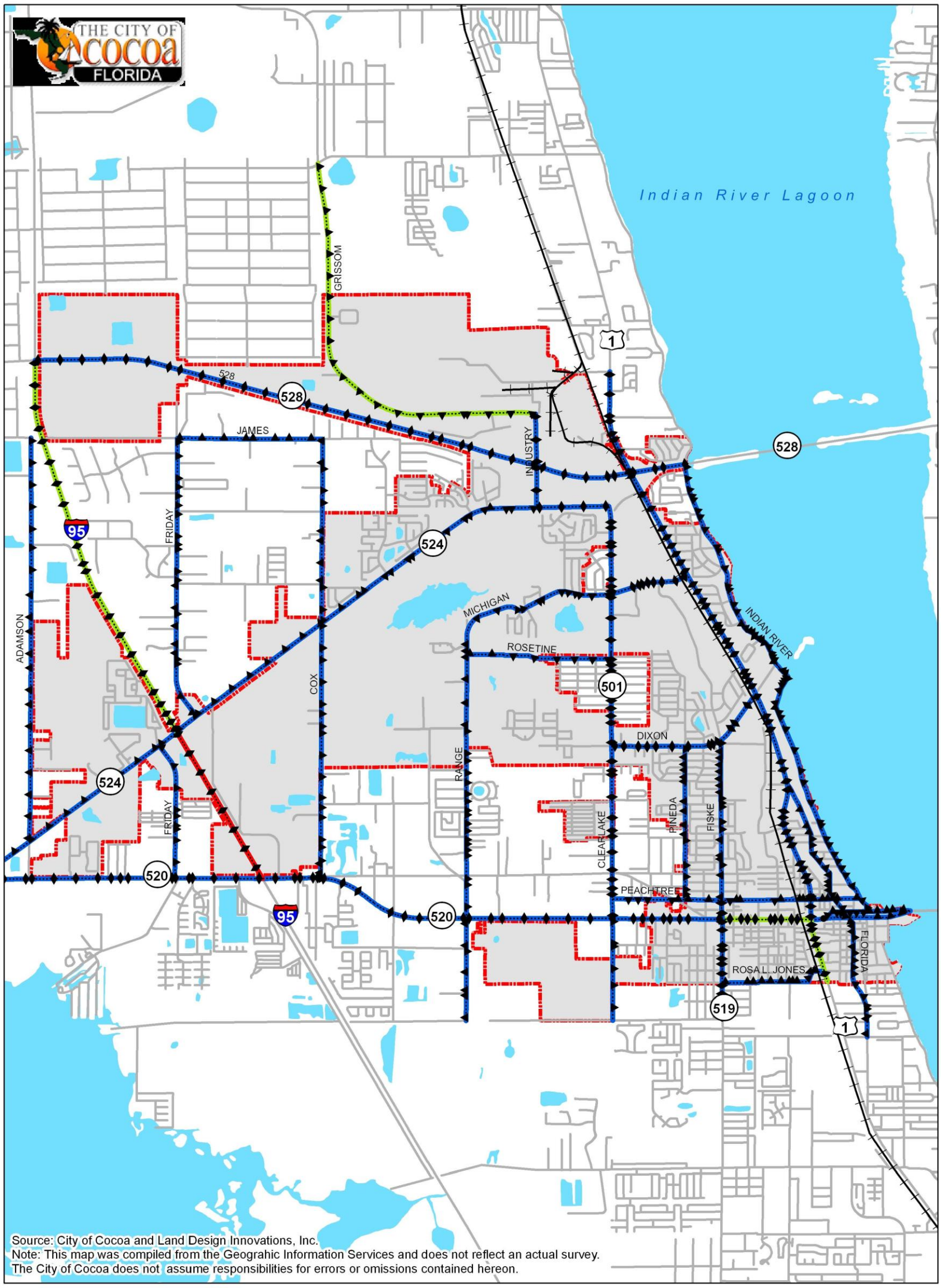
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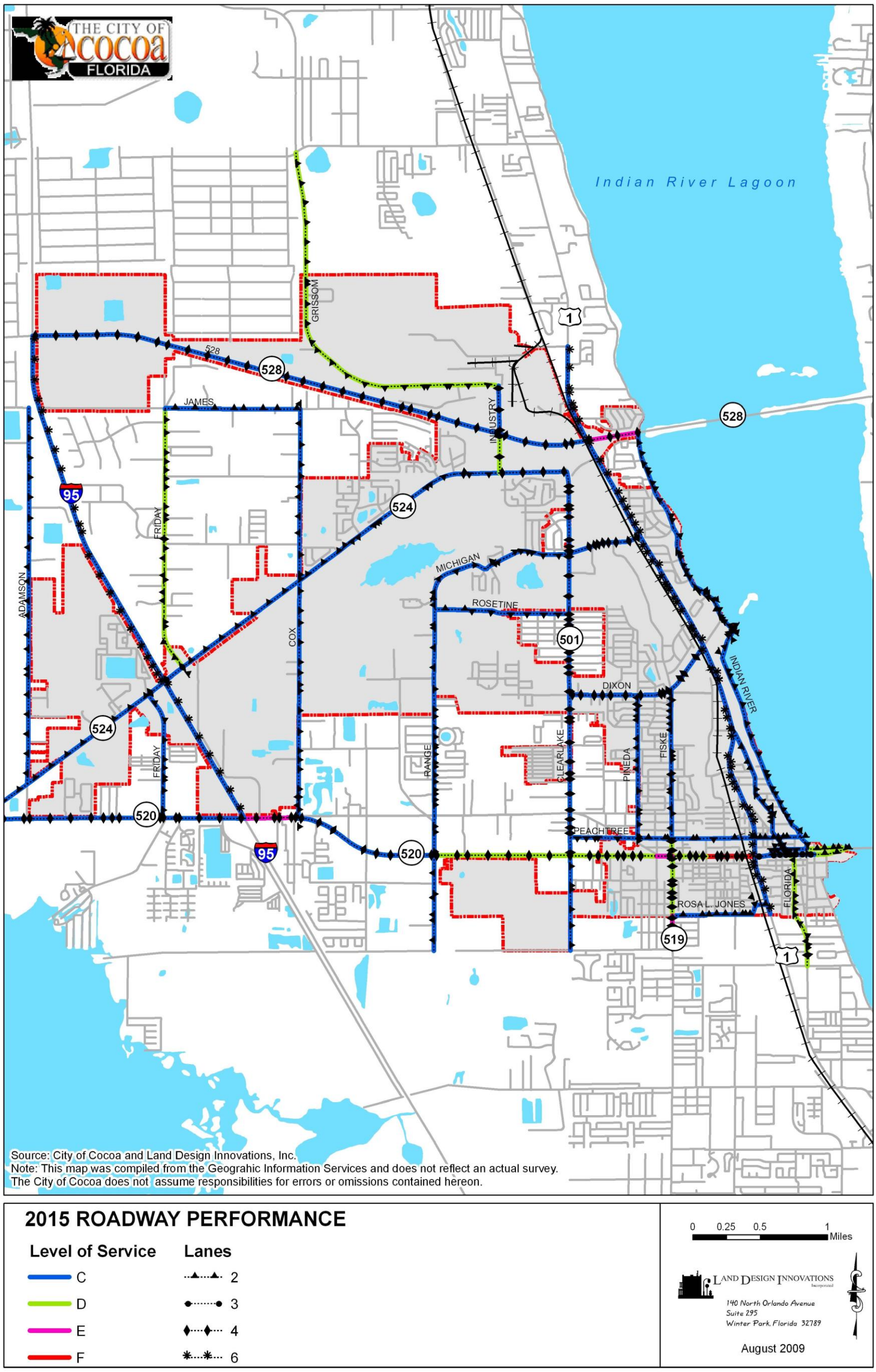
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Map M- -3 isting oadway Performance Map



Map M- - 0 Projected oadway Performance Map



2015 ROADWAY PERFORMANCE

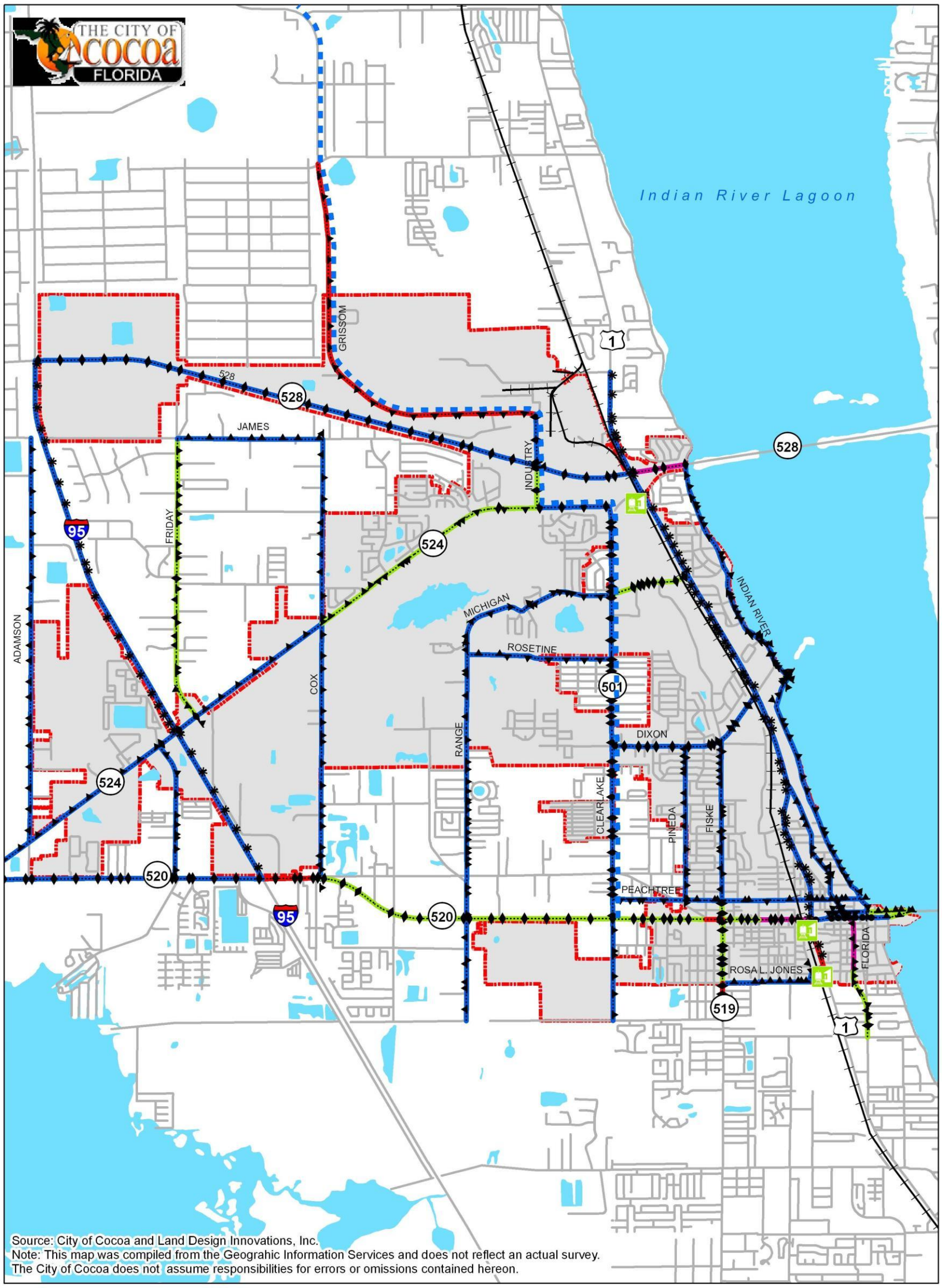
Level of Service	Lanes
C	2
D	3
E	4
F	6

0 0.25 0.5 1 Miles

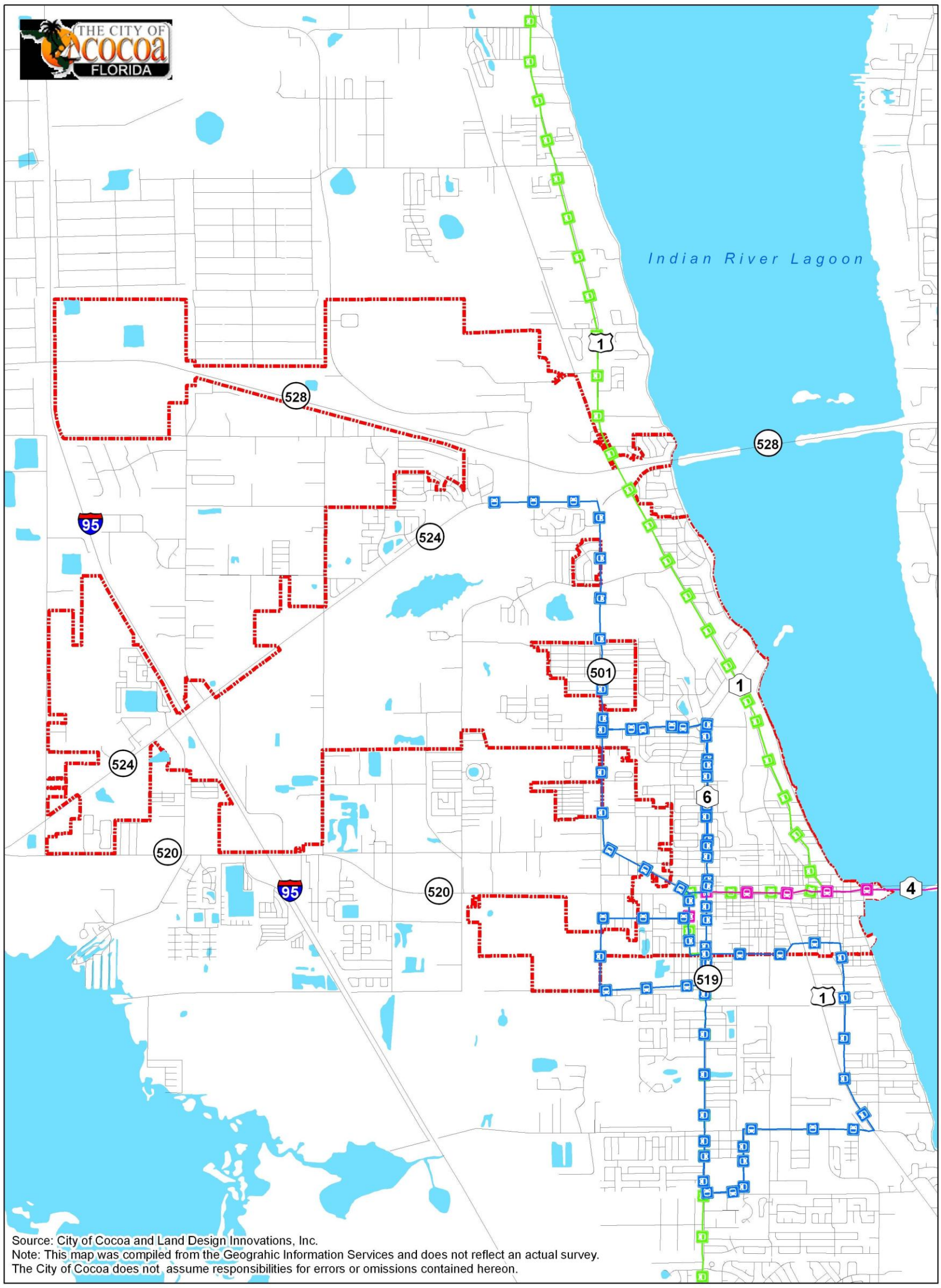
LAND DESIGN INNOVATIONS Incorporated
140 North Orlando Avenue
Suite 295
Winter Park, Florida 32789

August 2009

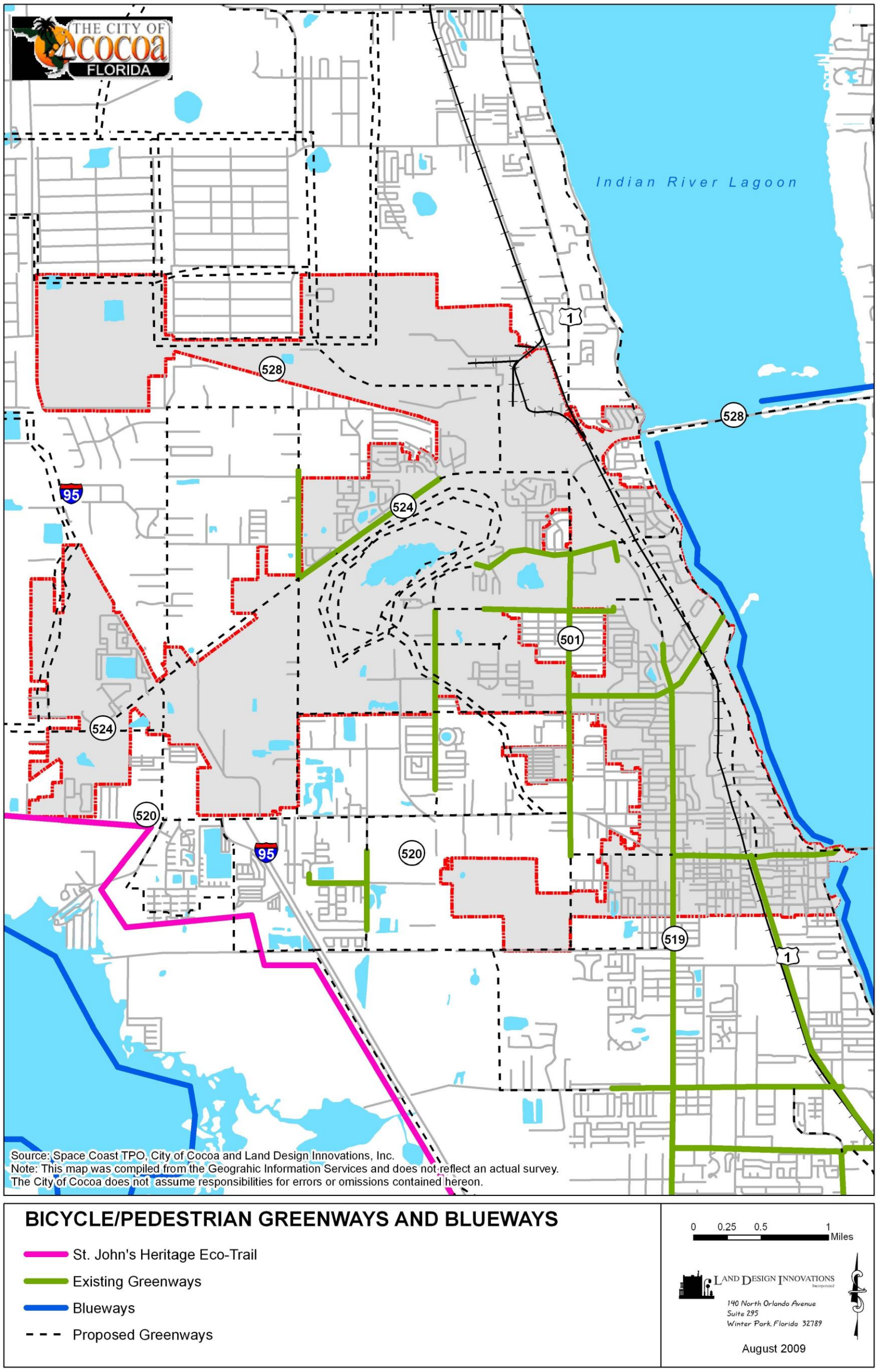
Map M- - 0 0 uture ransportation Map



Map M- -7 pace oast Area ransit outes Map



Map M- - icycle Pedestrian reenways and lueways Map



III - HOUSING ELEMENT

Serving the Community

GOAL 3.1: The City shall encourage and promote the provision of decent, safe, and sanitary housing to meet the needs of the present and future population of the City.

Objective 3.1.1: Housing Supply. Assist the private sector to create additional units and preserve existing units to satisfy the projected demand of dwelling units of various types, sizes, and costs which will be needed to house the City's anticipated population through the planning horizon.

Policy 3.1.1.1: The City's Future Land Use Map shall provide adequate lands to accommodate the projected housing growth.

Policy 3.1.1.2: The City shall continue to provide land use designations and zoning districts on the Future Land Use and the Official Zoning Maps to ensure a variety of housing types including single family, duplex, and multifamily are allowed within the City.

Policy 3.1.1.3: The City shall continue to utilize local government partnerships with the private sector in order to improve the efficiency and expand the capacity of the housing delivery system.

Policy 3.1.1.4: The City shall continue to provide information, technical assistance and housing data to the private sector in order to maintain sufficient housing production capacity. Technical assistance includes, but is not limited to, assistance meeting the development review requirements of the City and other regulatory agencies; referral to appropriate agencies for information; assistance in meeting infrastructure standards and requirements imposed by the City; and provision of data regarding housing needs and conditions.

Policy 3.1.1.5: The City's land development regulations shall allow manufactured buildings (as defined in Chapter 553, F.S.) in all residential zoning districts provided the units comply with all relevant building code standards and the U.S. Department of Housing and Urban Development Manufactured Home Construction and Safety Standards.

Policy 3.1.1.6: The City shall promote mixed-use developments that include provisions for a wide variety of housing types and prices.

Policy 3.1.1.7: In order to maintain housing policies responsive to changing conditions, problems, and issues, the City shall undertake special housing studies as needed in order to develop specific local strategies for resolving unanticipated housing problems and issues.

Objective 3.1.2: Elimination of Substandard Housing. The City shall seek ways to eliminate substandard housing conditions and seek ways to improve the structural and aesthetic value of existing homes.

Policy 3.1.2.1: The City shall periodically review and update established housing policies to guide in the conservation, rehabilitation, and demolition program techniques and strategies.

Policy 3.1.2.2: The City of Cocoa will endeavor to eliminate slum and blight throughout the City.

Policy 3.1.2.3: The City shall identify existing housing units that need structural and aesthetic improvements and those that are beyond repair and rehabilitation should be demolished.

Policy 3.1.2.4: The City shall continue to enforce the Florida Building Code and the City of Cocoa's Property Maintenance Standards and Rental Regulations to ensure the construction and maintenance of sound and safe housing and, to encourage the correction of housing code violations, and to set the standards for quality housing within the City. Low income owner-occupants will continue to be referred to available housing assistance programs.

Policy 3.1.2.5: The City shall continue its proactive code enforcement program to monitor the conditions of the City's housing stock, reduce the amount of substandard housing, discourage boarded-up buildings, increase the number of affordable units, and preserve available housing stock using city, county, state or federal funds as available and within the scope of funding capabilities.

Objective 3.1.3: Relocation Housing. The City shall provide uniform and equitable treatment to persons displaced by State and local government programs, consistent with Section 421.55, F.S., and to persons displaced by public projects or programs for which federal or federal-aid funds are available or are used, in accordance with the Surface Transportation and Uniform Relocation Assistance Act of 1987, (Public Law 100-17, Apr. 2, 1987, 101 Stat. 132).

Policy 3.1.3.1: When residents are displaced as a result of redevelopment, demolition or other public projects, the City shall attempt to ensure the residents are able to relocate to appropriate housing.

Policy 3.1.3.2: The City shall coordinate with appropriate agencies to prepare plans of action regarding relocation of residents before programs are enacted that will create displaced households. Such plans shall include, but are not limited to, the following:

- Timing of the relocation;
- Assessment of the need for the program that will displace households;
- Costs associated with the displacement of such households; and

- An assessment of the household's needs and the impact of the relocation on the household, including:
  - Location and the effect of a new neighborhood location on the household's distance to job, schools, and social activities; and
  - The adequacy of public transit, if applicable at the time, to serve the displaced household.

Policy 3.1.3.3: The City shall assure that reasonably located standard housing, at affordable costs, continues to be available to persons displaced through public or quasi-public action prior to their displacement. When federal funds are used for acquisition, demolition, rehabilitation, or conversion, the City shall comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act and with Section 104(d) of the Housing & Community Development Act of 1974 (excluding acquisition), as amended from time to time and as implemented in the City's local housing assistance plans.

Policy 3.1.3.4: Relocation housing should be comparable to the existing dwelling as much as possible, with an emphasis on the number of rooms, size of living space, location to commercial and public facilities and place of employment, and shall be within the financial means of the displaced household. Relocation housing shall be a sound, safe, and sanitary dwelling meeting adopted housing and property maintenance codes.

Policy 3.1.3.5: In the event the City of Cocoa is declared a Federal Disaster Area and in an effort to prevent the relocation of residents whose homes have been declared unsafe for occupancy as a result of a tornado, hurricane or other disaster related event, the City of Cocoa shall permit the location and occupancy of a Federal Emergency Management Agency (FEMA) sponsored trailer on the affected single-family residential lot during the reconstruction of the principal structure. The FEMA sponsored trailer shall be removed once the Certificate of Occupancy for the principal structure is issued by the City's Building Official (if not sooner by mandate of FEMA).

Objective 3.1.4: **Coordination.** The City shall continue to coordinate with public and private sector entities that provide housing services.

Policy 3.1.4.1: The City shall monitor housing, community, and redevelopment proposals for consistency with this Comprehensive Plan.

Policy 3.1.4.2: The City shall continue to coordinate affordable housing, housing development and redevelopment activities with:

- Adjacent municipalities and Brevard County;

- State agencies (such as the Florida Department of Transportation);
- Brevard County School Board;
- East Central Florida Regional Planning Council;
- The Housing Authority of the City of Cocoa; and
- Brevard County HOME Consortium.

Objective 3.1.5: Energy Efficiency. The City shall encourage energy efficiency in the design, construction and rehabilitation of new and existing residential buildings in the City and incorporate alternative energy technologies in the land development regulations.

Policy 3.1.5.1: The City shall consider adopting an ordinance that promotes energy efficiency, use of alternative energy, and conservation alternatives in the construction and rehabilitation of existing buildings.

Policy 3.1.5.2: The City shall create incentive programs for housing projects that seek certification by Florida Green Building Coalition, United States Green Building Coalition (LEED Certifications), Energy Star, Water Star, or other types of certifications acceptable by the City. The incentives may be in the form of expedited plan review and permitting, flexibility of development standards, or monetary incentives.

Policy 3.1.5.3: The City shall consider creating a cross-departmental sustainability team to revise green building policies and engage the development community.

Policy 3.1.5.4: The City shall encourage City staff to obtain LEED accreditation.

Policy 3.1.5.5: The City shall continue the ongoing review and improvement of City codes to remove obstacles to green building.

Policy 3.1.5.6: The City shall promote energy conservation through its land development regulations.

Policy 3.1.5.7: The City shall continue to support Florida Power & Light (FPL) energy efficiency programs by informing residents of the programs that are offered by FPL.

Objective 3.1.6: Location of Housing. The City shall provide appropriate and adequate locations for very low income, low income, and moderate income housing, and provide for adequate sites for mobile and manufactured homes.

Policy 3.1.6.1: The City shall establish and maintain zoning classifications which allow for flexibility in land use design, density, housing types, and price levels to preserve affordable housing and residential neighborhoods, and allow for appropriate land use mixes for very low income, low income, and moderate income households, mobile

homes, manufactured homes, group homes and foster care facilities, and households with special needs including rural and farm worker households

Policy 3.1.6.2: The City shall ensure supporting infrastructure and public facilities are available and maintained to support the location of very low income, low income, and moderate income households as well as for mobile and manufactures homes.

Policy 3.1.6.3: The City shall review and amend its land development regulations to reflect the conditions and criteria consistent with Chapter 419, F.S., guiding the location of group homes and foster care facilities licensed or funded by the Florida Department of Children and Family Services that foster non-discrimination, and encourage the development of community residential alternatives to institutionalization including the infrastructure and public facilities.

Policy 3.1.6.4: The City shall include in its land development regulations site selection criteria for the location of housing for low and moderate-income families, group homes, foster care facilities, and manufactured homes which take into account the accessibility, convenience, and availability of public and private services because low-income families and the elderly often have no private means of transportation.

Policy 3.1.6.5: Should a need be demonstrated for rural and farmworker housing, the City will consider provisions for such housing opportunities.

Objective 3.1.7: Housing Programs. The City shall develop housing programs to improve the structural and aesthetic value of existing homes and the creation of new homes to meet the current and anticipated future residents of the City.

Policy 3.1.7.1: The City shall strengthen public education measures through affirmative outreach efforts to low income households to ensure that the persons or neighborhoods eligible for assistance are aware of its availability as well as the procedures for obtaining such assistance. Public workshops shall be held in areas where the needs are demonstrated.

Policy 3.1.7.2: The City will continue to seek and apply for funding programs to assist in housing rehabilitation, demolition, and preservation for qualified applicants. Housing ownership opportunities for low-income households will continue to be provided through federal and state housing programs.

Policy 3.1.7.3: The City shall survey all homeowners receiving housing rehabilitation assistance after receiving assistance to evaluate the quality of the work and to determine homeowner satisfaction with the program.

Policy 3.1.7.4: The City of Cocoa shall promote personal investment in the community and homeownership by encouraging residents, especially those participating in housing assistance programs, to become involved in community service organizations, projects, and City Boards.

GOAL 3.2: In order to encourage the preservation of the existing housing stock and minimize the relocation of residents and the demolition of housing, the city shall ensure the availability and maintenance of supporting infrastructure and avoid the concentration of affordable housing units only in specific areas of the city.

Objective 3.2.1: Housing Stock and Neighborhoods. The City shall encourage the stabilization of neighborhoods by extending the useful life of the existing housing stock through the enforcement of City codes that preserve neighborhood quality and maintain community facilities.

Policy 3.2.1.1: The placement of public facilities shall be planned so as to minimize the demolition of housing and related relocation of residents. When housing must be removed as a result of City actions, the City shall assess the feasibility of moving the housing to another location and rehabilitating it to standard, affordable conditions to preserve it as part of the City housing stock.

Policy 3.2.1.2: The City shall encourage the stabilization of neighborhoods by maintaining the quality of existing neighborhoods, by upgrading the supporting infrastructure and facilities, including paved public road access; stormwater management facilities and flood protection; wastewater disposal facilities; potable water facilities; solid waste collection service; electric utility service; and by protecting natural and historic resources.

Objective 3.2.2: Historically Significant Housing. Housing designated as historically significant by virtue of architecture, social significance, or ethnic heritage will continue to be identified and continue to be preserved and protected, and if possible, maintained for residential uses.

Policy 3.2.2.1: Applications will be submitted by the City to the Florida Division of Historical Resources for the housing units which have been and may be designated as individual structures or as part of a locally significant historic district to be included on the Florida Master Site File.

Policy 3.2.2.2: The City shall pursue available grants and alternative funding, where appropriate, to expand the local knowledge and awareness of existing historic and archaeological sites and structures.

Policy 3.2.2.3: The City shall assist owners of designated historically significant housing to apply for and utilize state and federal assistance programs.

Policy 3.2.2.4: The City shall encourage the continued identification, analysis, and preservation of the City's historical resources. Such efforts shall include determination of their significance and vulnerability, as well as implementation of preservation management policies. Environmental reviews of units assisted with governmental resources shall be conducted as required.

Policy 3.2.2.5: The City will encourage the retention and preservation of historically significant structures, while discouraging their destruction by requiring that a need for demolition or significant alteration must be demonstrated prior to the issuance of a demolition permit or development order, with need being based on structural integrity, lack of economic feasibility of rehabilitation, restoration, or preservation, and absence of any feasible alternative, for the rehabilitation, restoration, adaptive reuse, or other alteration which would preserve the historic character of the structure. Where such need is demonstrated, relocation of the structure to an appropriate site may be waived if the applicant establishes the lack of feasibility of relocation. Where neither rehabilitation nor relocation is possible, mitigation of the loss of such properties through documentation techniques, including but not limited to measured drawings, photographs and descriptive narrative, will be the recommended treatment.

Policy 3.2.2.6: The City will adopt incentives to retain historically significant residential structures in the City through a variety of strategies and procedures including zoning, land development regulations, public and private land acquisition programs, and other techniques.

Policy 3.2.2.7: The City may require independent feasibility assessments of the feasibility of restoring or rehabilitating architecturally or historically significant residential resources as an alternative to demolition or significant alteration at the applicant's expense.

Policy 3.2.2.8: The City will establish a program for the preservation and improvement of historically significant housing, sites, and structures through participating with owners, citizens' groups, business organizations, and state and federal agencies in restoration, rehabilitation, and public or private purchase with the owner's consent of historically significant housing, sites or structures for the purpose of preservation.

Policy 3.2.2.9: The City shall not seek the local designation of a property or structure as historically significant without the owner's permission.

Policy 3.2.2.10: In identifying and improving historically significant housing, the City shall be guided by the Standards for Rehabilitation of the U.S.

Department of the Interior, as amended. Criteria such as the following shall be employed:

A. The distinguished original qualities or character of a building structure or site and its environment shall not be destroyed. The removal or alterations of any historic material or distinctive architectural features should be avoided when possible.

B. All buildings, structures, and sites shall be recognized as products of their own time. Alterations that have no historical basis and which seek to create an earlier appearance shall be discouraged.

C. Changes that have taken place in the course of time are evidence of the history and development of a building, structure, neighborhood or site and its environment. These changes may have acquired significance in their own right, such as the relocation of a structure many years ago, and this significance shall be recognized and respected.

D. Distinctive stylistic features or examples of skilled craftsmanship which characterize a building structure, neighborhood or site shall be treated with sensitivity.

E. Deteriorated architectural features shall be repaired rather than replaced whenever possible. In the event replacement is necessary, the new material should match the material being replaced in composition, design, color, texture, and other visual qualities. Repair or replacement of missing architectural features should be based on accurate duplications of features, substantiated by historic physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.

F. The surface cleaning of structures shall be undertaken with the gentlest means possible. Sandblasting and other cleaning methods that will damage the historic building materials shall not be undertaken.

G. Contemporary design for alterations and additions to existing properties shall not be discouraged when such alterations and additions do not destroy significant historical, architectural or cultural material and design is compatible with the size, scale, color, material and character of the property, neighborhood or environment.

H. Whenever possible, new additions or alterations to structure shall be done in a manner so that removal of such additions

or alterations in the future would not impair the essential form and integrity of the structure.

I. Applications for rehabilitation of housing which also are eligible for consideration, as historic resources or which are potentially significant historic structures shall be processed in conformance with state and federal guidelines.

J. The City shall employ available measures with particular sensitivity for rehabilitation and preservation of housing which has historic significance by virtue of social factors or ethnic heritage.

Objective 3.2.3: Housing Safety. The City of Cocoa shall utilize Crime Prevention Through Environmental Design (CPTED) principles in order to increase the safety of housing developments through the planning process and incorporate them in the land development regulations. CPTED principles and strategies shall include natural access control, natural surveillance, territorial reinforcement, and target hardening.

Policy 3.2.3.1: The City shall develop guidelines for the development community against which projects will be evaluated to ensure the incorporation of CPTED principles.

Policy 3.2.3.2: The City shall provide technical assistance to housing developers and non-profit housing providers to ensure compliance with CPTED principles.

Objective 3.2.4: Neighborhood Preservation. The City of Cocoa shall promote neighborhood preservation through the continued application and enforcement of zoning district regulations, land development regulations, and nuisance abatement regulations.

Policy 3.2.4.1: The City shall provide for the protection of residential neighborhoods from secondary effects of nearby commercial development.

Policy 3.2.4.2: The City shall require buffering and screening of residential neighborhoods from nearby incompatible land uses through significant landscaped buffer yards and/or compatible transitional uses.

Policy 3.2.4.3: The City shall protect residential neighborhoods from through-traffic with traffic calming measures as well as through the use of selected roadway materials, restrictions on use of roadways by nonresidential vehicles and redirecting traffic flow patterns.

Policy 3.2.4.4: The City shall protect residential neighborhoods from noise, water, and air pollution by regulating land development practices to ensure all applicable local, state, and federal air & water quality standards are met and maintained. Activities creating noise related disturbances

shall be restricted from inappropriate locations or required to provide more stringent attenuation measures.

Policy 3.2.4.5: The City shall encourage mass transit in residential neighborhoods, where appropriate, through the coordination of public transit routes and land use activity.

Policy 3.2.4.6: The City shall support neighborhood serving retail uses located in close proximity to residential property.

Policy 3.2.4.7: The City shall continue inspection of residential rental properties periodically to protect the health, safety, and welfare of the tenants. The City will continue to initiate inspections of properties in conjunction with appropriate state agencies in situations where: 1) a complaint has been filed with codes enforcement, 2) there exists an obvious code violation, or 3) when the owner applies for a building permit to expand his or her property. All inspectors shall be qualified and licensed to interpret the Florida Building Code and/or the ICC International Property Maintenance Code.

Policy 3.2.4.8: The City shall consider the potential impact of proposed projects on achieving reductions in the concentration of affordable multifamily housing when evaluating applications, awarding discretionary funds, and making recommendations concerning certified affordable housing projects, tax credits, and bond projects.

Policy 3.2.4.9: The City will preserve residential neighborhoods containing affordable housing through appropriate zoning classifications and housing rehabilitation programs which protect their residential integrity and character. The City will give great weight to preserving the residential integrity and character of such neighborhoods in considering petitions by property owners for zoning changes.

Policy 3.2.4.10: The City will support programs and partnerships with the private and non-profit sectors to improve coordination among participants in housing production to preserve, improve, and produce affordable housing through means such as providing grants for land acquisition for production of affordable housing; waiving or subsidizing impact, hook-up, or permitting fees; providing technical assistance; streamlining the permitting and inspection process; providing landscaping or infrastructure improvements to support residential development and rehabilitation; providing density bonuses; or providing funding for capacity building.

GOAL 3.3: The City shall ensure the provision and distribution of adequate sites for affordable housing for present and future populations of the City.

Objective 3.3.1: Incentives for Affordable Housing. The City shall maintain land development regulations and procedures which assist the private and non-profit sector in providing identified housing needs of various types, sizes and costs.

Policy 3.3.1.1: The City shall continue and promote its density bonus program to encourage the private sector to provide affordable housing. The following guidelines shall be utilized in the implementation of the density bonus program.

A. AMOUNT OF BONUS.

For each newly constructed unit of qualifying affordable housing as defined below, the developer shall be entitled to an increase of ten thousand (10,000) square feet of floor area bonus for new construction within the CBD. For a substantial rehabilitation of qualifying affordable housing defined below, the developer shall be entitled to an increase of five thousand (5,000) square feet of floor area bonus for new construction within the CBD. Such bonus is transferable.

B. QUALIFYING AFFORDABLE HOUSING.

1. Qualifying affordable housing shall be newly constructed single-family housing or substantial rehabilitation of housing, made available for purchase by a qualifying low income household, and subject to the following restrictions:

(a) Housing units must be available for purchase and must actually be purchased by a low income household (as defined in Section 420.0004(11), F.S.) at a monthly cost including property taxes, utilities, and insurance not exceeding thirty percent (30%) of the purchasing household's median gross annual income.

(b) The purchaser of such affordable housing unit must, at the time of purchase, grant to the administering corporation a note and second mortgage interest in the housing unit, payable upon resale, in the amount of fifteen thousand dollars ($15,000.00) (i) which note shall not bear interest and may be forgiven at the rate of one thousand five hundred dollars ($1,500.00) per year and retired after ten (10) years and (ii) which second mortgage shall (a) provide for a twenty-year term; (b) contain a right of first refusal at a price equal to a bona fide written offer of a third-party to purchase

the unit; and (c) contain an agreement to pay to the administering corporation one-half of any profit upon resale of the unit, including a sale upon exercise of said right of first refusal. In the event the purchaser secures a purchase mortgage loan under the Florida Homeownership Assistance Program pursuant to section 420.5088, Florida Statutes (1989), as may be amended, or should the administering corporation be selected as a sponsor under the aforesaid program, the second mortgage interest set forth in this subsection may be denoted as a third mortgage interest in the housing unit.

(c) It shall be the obligation of the administering corporation to exercise the right of first refusal and second mortgage interest to ensure that upon resale of the housing unit, the resale purchaser is also a low income household, or, if unable to exercise the right of first refusal, to apply funds received upon satisfaction of such second mortgage interest to the development or preservation of other affordable housing units within a designated redevelopment area. Any such funds not so applied within five (5) years of receipt by the administering corporation shall be remitted to the City of Cocoa.

Policy 3.3.1.2: The City shall provide information and incentives, such as minimum lot sizes, minimum floor areas, setbacks, and residential land uses to the private sector to ensure that sufficient housing of various types, designs sizes, and costs are constructed.

Policy 3.3.1.3: The City may allow single family dwellings on non-conforming infill lots for affordable and workforce housing development projects.

Policy 3.3.1.4: The City shall continue to provide incentives to developments with affordable housing and workforce housing units. These incentives could include, but are not limited to, increased densities; a streamlined permitting processes to prevent delays; flexible development regulations; and deferment, subsidy and/or waiver of building permit fees, impact fees and inspection fees.

Objective 3.3.2: Adequate Sites for Housing. The City shall provide adequate sites ensuring housing availability for the very low-income, low-income, and moderate-income

households, as well as sites for mobile and manufactured homes for the present and future population of the City.

Policy 3.3.2.1: The City shall affirmatively support proposals for affordable housing that are consistent with the use and density provisions of the Comprehensive Plan.

Policy 3.3.2.2: The City shall support amendments to the Comprehensive Plan and associated land development regulations that permit affordable housing proposals provided such locations; avoid concentrations of low and very low income households; provide full urban services and facilities; are environmentally sensitive; and would create a livable and supportive environment.

Policy 3.3.2.3: The City shall discourage concentrations of affordable multi-family housing in economically and socially distressed areas.

Policy 3.3.2.4: The City shall continue to require that sites for affordable housing have access to the following facilities, services and/or activity centers:

- Potable water and central wastewater systems;
- Employment centers, including shopping centers which accommodate stores offering household goods and services needed on a frequent and recurring basis;
- A collector roadway or higher; and
- Public parks, recreation areas, and/or open space systems.

Policy 3.3.2.5: The City shall encourage the provision of affordable housing in infill/redevelopment areas by providing incentives. The City shall also encourage the development of affordable housing in the Community Redevelopment Areas.

Policy 3.3.2.6: The City shall ensure, to the greatest extent possible, that regulatory techniques and review procedures do not create barriers to infill and affordable housing, when updating its land development regulations.

Policy 3.3.2.7: The City may, through the land development regulations, encourage the development/redevelopment of housing that will integrate a variety of housing types and styles in all neighborhoods.

Objective 3.3.3: Housing Programs. The City shall seek to utilize, leverage and maximize federal, state, and local programs for the present and future population of the City.

Policy 3.3.3.1: The City will continue to support and seek new funding from appropriate federal, state and local sources for rehabilitation of rental units and rental assistance for low income families.

Policy 3.3.3.2: The City will continue to provide housing assistance to income eligible residents by allocating resources received through federal and state housing grants.

Policy 3.3.3.3: The City will continue to explore and consider alternative sources of money and initiatives to improve housing stock and availability. In addition, the City will coordinate with the County to advertise the availability of any funds to the public. These funds will ensure the availability of decent, safe, sanitary, and affordable units to low income residents.

Policy 3.3.3.4: The City shall leverage available funds with federal, state and local subsidy programs to assist the largest number of units possible.

Policy 3.3.3.5: The City shall annually monitor affordable housing projects receiving financial grant assistance or incentives to ensure units are in compliance with affordability requirements.

Policy 3.3.3.6: The City shall partner with the Brevard County Finance Authority in the use of tax exempt financing to provide mortgages at below market interest rates to first time homebuyers.

Policy 3.3.3.7: The City shall promote awareness among the elderly and low-income rental families regarding housing programs which are available to assist them in Cocoa.

Policy 3.3.3.8: The City may participate in and support the activities of private not-for-profit Community Development Corporations (CDC's) and Community Housing Development Organizations (CHDO's) to provide technical assistance and housing information to City and County constituents. Such support may include, but not limited to, financial and/or technical assistance and alternative development standards and code requirements.

Policy 3.3.3.9: The City shall continue to support affordable housing programs and maintain communication with non-profit organizations to promote neighborhood pride, identity, organization, and communication between citizens and City government.

Policy 3.3.3.10: The City shall continue to provide assistance to outside agencies offering counseling referral services for families and individuals seeking affordable housing opportunities.

Policy 3.3.3.11: The City shall participate in and support activities that discourage the use of predatory lending practices. Such support may include, but not be limited to, the provision of financial and or technical assistance to community groups that specialize in education and outreach against predatory lending.

Policy 3.3.3.12: The City shall prioritize projects that utilize public/private partnerships to produce housing and provide support of services to low income families. These programs could include, but not limited to, financial counseling, day care, health care, and transportation.

Policy 3.3.3.13: The City shall participate in Regional Planning Council initiatives directed toward educating local governments about new techniques, especially those programs which promote affordable housing.

GOAL 3.4: The City shall continue encouraging and assisting in the conversion of undue concentrations of public rental housing in the City of Cocoa to affordable home ownership. Where public housing remains, the City shall seek to ensure it's decent, safe, and sanitary for the present and future residents of the City.

Objective 3.4.1: Cooperative Relationship. The City shall establish an ongoing cooperative working relationship with the Housing Authority of the City of Cocoa to provide for and preserve public housing and assist in the conversion of undue concentrations of public housing to affordable home ownership.

Policy 3.4.1.1: The City shall promote educational opportunities and provide training and technical assistance to lower income public housing tenants in preparation for home ownership.

Policy 3.4.1.2: The City shall assist the Housing Authority of the City of Cocoa and/or public housing tenants in seeking financial incentives to facilitate the purchase of owner-occupied housing and/or, to support the cost associated with converting public housing units to owner-occupied or mixed-income units.

Policy 3.4.1.3: The City shall pursue housing resources for low income residents other than public housing or Section 8 tenant-based assistance.

Policy 3.4.1.4: The City shall leverage affordable housing resources in the community through the creation of mixed-finance housing, and encourage and facilitate the conversion of public housing units to owner occupancy.

Policy 3.4.1.5: The City shall pursue financial resources to assist in the rehabilitation of public housing units, or when beyond repair, the demolition and replacement of dilapidated units to new owner-occupied units.

GOAL 3.5: The City shall promote non-discrimination and ensure fair and equal housing opportunities for residents of the City of Cocoa.

Objective 3.5.1: Fair Housing. The City shall remain committed to affirmatively further fair housing.

Policy 3.5.1.1: The City will fully comply with and require the private sector to comply with the Fair Housing Act of 1968 and the local Fair Housing Ordinance. All housing development and redevelopment activities

shall be compatible with and further the purpose of the Fair Housing Act of 1968.

Policy 3.5.1.2: The City shall conduct periodic reviews and amend as necessary all land and housing development regulations to ensure compliance with Federal and State laws on accessibility.

Policy 3.5.1.3: The City shall continue to periodically review the local Fair Housing Ordinance and update as necessary.

Policy 3.5.1.4: The City shall continue to support local fair housing enforcement organizations such as the Fair Housing Continuum.

Policy 3.5.1.5: The City shall encourage public housing agencies to start a counseling program to help housing choice voucher recipients to locate housing outside of poverty concentrated areas.

Policy 3.5.1.6: The City's housing programs shall encourage banks and other lending organizations to operate in areas that are underserved and to provide services to underserved populations.

GOAL 3.6: The City shall encourage the provision of housing opportunities for people with special needs such as the homeless, the elderly, and the physically and/or mentally disabled.

Objective 3.6.1: Group Homes and Foster Care Facilities. The City shall assist the private sector to ensure adequate sites are available in residential areas, or areas of residential character, for group homes and foster care facilities licensed or funded by the Florida Department of Children and Family Services to satisfy the current and future residents of the City.

Policy 3.6.1.1: The City shall continue to review, and revise where necessary, land development regulations to ensure adequate sites in residential areas are provided for special needs populations by means of group homes and foster care facilities licensed or funded by the State of Florida or other such means as shall be deemed appropriate by the Community Development Director.

Policy 3.6.1.2: The City shall continue to provide, in the Land Development Code, adequate location standards for sites in residential areas or areas of residential character for community residential homes, including group homes, retirement homes, and foster care facilities, in accordance with applicable Florida Statutes. These facilities should be located in a variety of urban and rural locations, as appropriate.

Objective 3.6.2: Special Needs Housing. The City shall assist the private sector to create additional units and preserve existing units for households with special needs to satisfy the projected demand of dwelling units of various types, sizes, and costs.

Policy 3.6.2.1: The City shall continue to support a variety of public and private housing initiatives for affordable housing for special needs populations in areas in close proximity to shopping, public transportation, health services, schools, infrastructure availability, and employment opportunities.

Policy 3.6.2.2: The City shall continue to support organizations which provide shelter and related services to the special needs and homeless population. Such support may include but not be limited to financial and/or technical assistance and alternative design standards and code requirements.

Policy 3.6.2.3: The City shall continue to support organizations, which assist special needs, elderly and handicapped citizens in finding decent, accessible, and affordable housing. Such support may include but not be limited to financial and/or technical assistance and alternative design standards and code requirements.

Policy 3.6.2.4: In an effort to address problems of housing for lower income elderly residents and other households with special housing needs, the City shall allow for the placement of retirement communities and elderly care facilities in areas of residential character as long as they are designed in a manner that is compatible with the character of the neighborhood.

Objective 3.6.3: Homeless. The City shall continue to seek supportive housing opportunities for the homeless and those at risk for homelessness, and ensure that Cocoa and other governments and agencies are working jointly to address these needs.

Policy 3.6.3.1: The City shall remain an active participant in the Brevard County Continuum of Care Coalition to address homelessness in the City.

Policy 3.6.3.2: The City shall designate appropriate areas for providing services for the homeless.

GOAL 3.7: The City shall promote opportunities for the creation of housing and infill development within the City.

Objective 3.7.1: Infill Development. The City shall continue to promote infill housing development by supporting alternative development standards where appropriate and feasible.

Policy 3.7.1.1: The City shall provide and retain residential land uses at varying densities and locations through comprehensive land use planning and land development regulations for affordable housing to satisfy the projected demand of dwelling units of various types, sizes, and costs by 2020, which will be needed to house the City's anticipated population through the planning horizon.

Policy 3.7.1.2: The City shall ensure adequate sites are correctly planned and zoned to accommodate the projected housing growth, including low and very low income housing, and mobile homes.

Objective 3.7.2: Vacant Land Inventory. The City shall continue to monitor and inventory vacant and underused residential land and provide this information to housing developers to stimulate the development of infill housing.

Policy 3.7.2.1: The City shall survey vacant and underutilized land within the Heart of Cocoa and Diamond Square Redevelopment Area to determine which land can be declared surplus and/or publicly acquired to be made available with conditions sufficient to stimulate the development of affordable and infill housing.

Objective 3.7.3: Land Development Regulations. To the greatest extent possible, the City's land development regulations shall not contribute to increased housing costs.

Policy 3.7.3.1: The City shall conduct periodic reviews of existing land development regulations and consider before adoption, policies, procedures, ordinances, regulations, or plan provisions that may have an impact on the cost of housing.

Policy 3.7.3.2: The City shall continue to review and assess the structuring of impact fees in relation to City housing goals and shall make recommendations for amendments to the appropriate codes if necessary.

Objective 3.7.4: Permitting Reviews. The City, where appropriate, may provide priority consideration and permitting review for affordable and infill housing projects in an effort to reduce costs and delays in the permitting review process.

Policy 3.7.4.1: The development review and permitting process for affordable and infill housing shall be streamlined through an ongoing review of the process and the adoption of a more efficient regulatory and permitting process.

Policy 3.7.4.2: The City shall continue to reduce building permit and inspection fees for City-sponsored projects that preserve or produce affordable housing.

Objective 3.7.5: Community Revitalization. The City shall continue to support the revitalization of its Florida Enterprise Zone, its designated Florida Brownfield Area, the Diamond Square Redevelopment Area and the Heart of Cocoa Area concentrating on issues such as crime, economic development, and affordable housing.

Policy 3.7.5.1: The City shall support reasonable efforts to make these areas economically diversified neighborhoods with housing, shopping, public transportation, health services, schools, and employment opportunities for all.

Policy 3.7.5.2: The City shall encourage new construction of single family homes for moderate and upper income households.

Policy 3.7.5.3: The City shall encourage neighborhood revitalization, affordable housing, and homeownership in these areas by implementing programs and regulations that promote a wide variety of housing types, sizes, and prices.

Policy 3.7.5.4: The City shall continue to pursue environmentally-related grants, such as Brownfields Assessment and Cleanup Grants, to advance the cleanup, restoration and redevelopment of City designated Brownfields areas and sites.

Policy 3.7.5.5: The City shall encourage an overall mixture of housing tenure by actively encouraging owner-occupancy within these areas.

Policy 3.7.5.6: The City shall promote design standards that encourage image improvement opportunities in the neighborhood.

Objective 3.7.6: Economic Development. The City shall seek economic solutions to address affordable housing.

Policy 3.7.6.1: To address the needs of the residents of affordable housing, the City shall explore and seek partnerships with the private and public sectors for the creation of employment and training opportunities.

IV - SANITARY SEWER ELEMENT

Serving the Community

GOAL 4.1: The City of Cocoa will provide cost effective and environmentally sound wastewater treatment service to meet existing and projected demands identified in this Plan.

Objective 4.1.1: Maintain Level of Service. Based upon adopted level of service standards, the City shall annually adopt programs and activities to facilitate implementation of a wastewater utility to serve existing and new development as well as areas where septic systems are failing.

Policy 4.1.1.1: Projected flow rates will be updated periodically based on best available data.

Policy 4.1.1.2: The City adopts the following levels of service for wastewater generation:

Development Type	Wastewater Generation
Industrial	0.02 gallons per sq. ft. per day
Office Space	15 gpd per capita
Residential	319 gallons per day per household
Schools	15 gpd per capita
Hotel/Motel	100 gpd per room
Restaurant	50 gpd per seat
Bar Lounge	20 gpd per seat

Policy 4.1.1.3: All land use plan amendments shall require an analysis of the impact of such amendment on the adopted level of service standard and existing sanitary sewer facilities.

Policy 4.1.1.4: All expansions and other improvements of residential, institutional, office, commercial and industrial uses that increase the demand on public infrastructure and require permitting shall comply with the adopted levels of service.

Policy 4.1.1.5: When evaluating collection force main and lift station capacity, the City shall use a peak factor of 3.0 times the average daily flows (ADF).

Policy 4.1.1.6: The City shall encourage continuing education of operating staff to ensure proficiency with respect to optimization of sanitary sewer maintenance and operation processes.

Policy 4.1.1.7: The City shall comply with bond covenants, if any, to ensure the maintenance and operations of facilities, and to provide recommendations for system maintenance and improvements.

Policy 4.1.1.8: Sanitary sewer facilities shall be replaced and existing deficiencies shall be corrected based upon the following priorities:

A. Any project correcting an immediate threat to the health, safety, or welfare of the City's residents will receive priority over the expansion of a facility or the correction or replacement of a non-threatening facility.

B. Any project that will correct an existing deficiency will receive priority over a project to expand the system.

C. Projects that will result in the system exceeding the adopted level of service will be denied.

Objective 4.1.2: Future Sanitary Sewer System. The City shall ensure that the sanitary sewer system is adequate to service the incorporated limits of the City, where the City has an existing legal commitment to provide services, and additional areas outside the incorporated limits as deemed feasible and practical by the City.

Policy 4.1.2.1: When feasible the City will enter into agreements with other government agencies related to the provision of treated wastewater effluent outside of the City's corporate limits. Such agreements will include all necessary legal requirements, rates, financing, specifications, and relevant information pertinent to the provision of treated wastewater effluent to and from the City.

Policy 4.1.2.2: The City will continue to coordinate with Brevard County to encourage support of all wastewater objectives and policies that are relevant to the enclaves or areas identified through an urban reserve agreement. The City will inform the County of all changes in its service area for utilities and will request that the County inform the City of all proposed development within this service area.

Policy 4.1.2.3: The wastewater system will operate as an enterprise fund, on a revenue-supported basis with user fees covering all operational costs. Revenue bonds and grant funds will provide additional financing for system improvements and expansion.

Policy 4.1.2.4: The City will maintain a plan for extending the wastewater collection system and necessary pumping facilities to developing parts of the City and to areas for potential annexation outside the City.

Policy 4.1.2.5: Following a determination of concurrency for sanitary sewer, and adequate sanitary sewer facilities are in place prior to the impact of development, the City shall require payment of applicable sewer impact fees upon development approval prior to issuance of a certificate of occupancy.

Policy 4.1.2.6: By ordinance, the City shall mandate connection to the City's central sewerage system when available.

Objective 4.1.3: Treatment and Disposal. The existing treatment system will operate at the tertiary treatment level including all appropriate tests and procedures as

required by FDEP and any other relevant governmental agency. System modification and expansion shall include consideration of appropriate changes in treatment level.

Policy 4.1.3.1: The City's sanitary sewer system will be operated in compliance with all local, state and federal regulations and standards.

Policy 4.1.3.2: The City will participate in intergovernmental strategies and programs related to the provision of wastewater service and disposal of treated wastewater effluent within Brevard County, including the coordination of consolidation of wastewater treatment service when it is in the best interest of the citizens of Cocoa.

Policy 4.1.3.3: The City shall coordinate its utility and transportation planning efforts to take advantage of the most economical construction and maintenance costs possible when installing, repairing and/or replacing utility lines, roads and sewers.

Policy 4.1.3.4: The City shall continue the implementation of the reclaimed water system as deemed feasible.

Policy 4.1.3.5: Sludge disposal agreements will be maintained with the Brevard County Landfill (dry) and at least one private contractor (wet).

Policy 4.1.3.6: Wastewater reuse for irrigation and other non-potable uses will be expanded into areas throughout the City where customer use is anticipated to be 25% or greater within five years of installation.

Objective 4.1.4: On-site Wastewater Disposal. The permitting and installation of additional septic tanks or package plants within the incorporated city limits will be discouraged or prohibited, except where on-site disposal represents the most efficient cost effective and environmentally compatible alternative. That decision will be based on availability of central sanitary sewer facilities and on available technical information regarding soils, groundwater table elevations, subsurface hydrology, percolation rates and other factors.

Policy 4.1.4.1: The City will coordinate with health officials to assure sewer availability to developed properties with failing septic systems.

Policy 4.1.4.2: The City will coordinate with Brevard County Consumer Health Services to evaluate each permit for a septic tank system located within the incorporated City limits.

Policy 4.1.4.3: The City will coordinate with Brevard County Consumer Health Services to establish procedures for the monitoring of all septic tanks within the incorporated City limits.

Policy 4.1.4.4: The City will develop a plan to phase-out septic tank use wherever feasible and cost effective.

Policy 4.1.4.5: The City will coordinate with Brevard County to support this objective with regard to the enclaves and any areas identified through an urban reserve agreement.

Policy 4.1.4.6: Wastewater package plants will only be allowed in the event that sewer capacity is not scheduled to be available or to satisfy on-site pretreatment required by the City.

Policy 4.1.4.7: The City will adopt an ordinance prohibiting package plants within the incorporated City limits and will coordinate with Brevard County to encourage support of all objectives and policies that are relevant to the enclaves or areas identified through an urban reserve agreement.

Objective 4.1.5: Land Development Regulations. The land development regulations shall be evaluated periodically to ensure that future development within the incorporated limits of the City is coordinated with City wastewater plans.

Policy 4.1.5.1: Approval of new development will be based in part, upon an evaluation of the impact of the development on the City's wastewater treatment system.

Policy 4.1.5.2: The City will require all new collection lines and lift stations constructed by public and private developers to be constructed according to City standards, and, at the City's option, to be dedicated to the City.

Policy 4.1.5.3: The City will require the total costs (extension of lines, alterations to lift stations and the cost of plant capacity) for providing new wastewater service to be borne by the specific users of the new service. Reduction in costs to the new users may be made if deemed necessary or beneficial by the City to accomplish specific goals (e.g. environmental concerns, economic growth, and customer base growth).

V - SOLID WASTE ELEMENT



Serving the Community

GOAL 5.1: The City will provide efficient solid waste collection service to the residents of Cocoa while protecting the environment and public health.

Objective 5.1.1: Solid Waste Collection. The City shall continue to provide for solid waste collection services to City residents and commercial establishments throughout the planning horizon.

Policy 5.1.1.1: The collection service will be operated with revenues from monthly service fees.

Policy 5.1.1.2: The City will maintain land development regulations that require development review procedures to evaluate the impact of proposed land development projects on the collection system through concurrency review procedures.

Policy 5.1.1.3: The City shall ensure adequate equipment to maintain the following level of service standard for solid waste collection:

Solid Waste	Disposal (Brevard County Landfill) Cocoa Distribution Rate: 1.2 tons per capita per year
	Collection Residential: 1 to 2 times per week as needed, each household Non-residential: 2 to 6 times per week as needed, each location Green Waste and Recyclable: Once per week

Policy 5.1.1.4: The City will maintain and enforce the litter ordinance, including the removal of litter from drainage ditches.

Objective 5.1.2: Solid Waste Disposal. The City shall continue to coordinate with Brevard County for the processing and disposal of solid waste at the county facility in a safe and efficient manner.

Policy 5.1.2.1: The City will deliver its solid waste to the Central Brevard Solid Waste Processing facility in accordance with Brevard County requirements.

Policy 5.1.2.2: City participation in any activities related to the expansion of the solid waste processing facility to meet future needs will be based on annual summaries of proportional use data from Brevard County for solid waste service.

Policy 5.1.2.3: The City shall coordinate with Brevard County and the East Central Florida Regional Planning Council to monitor and control the disposal of hazardous wastes in accordance with state law.

Policy 5.1.2.4: The City shall require that all hazardous waste generators within the City properly manage their hazardous wastes in conformance with mandates of the Federal Resource Conservation and Recovery Act and other applicable laws.

Policy 5.1.2.5: The City shall continue to cooperate with and promote Brevard County's public information program to increase public awareness of the nature, harmful effects and proper disposal methods of hazardous waste.

Policy 5.1.2.6: The City shall continue to develop educational programs for the general public and solid waste professionals to encourage hazardous waste source reduction and recycling.

Policy 5.1.2.7: The City shall continue to provide applicable employee training for inspection, identification and disposal of hazardous waste materials.

Objective 5.1.3: Recycling. The City shall encourage the reduction in the volume of solid waste collected through resource recovery, recycling, and conservation programs.

Policy 5.1.3.1: The City shall continue to develop educational programs for the general public and solid waste professionals to encourage waste reduction.

Policy 5.1.3.2: To the fullest extent feasible, the City will encourage public and private sector participation in solid waste recovery, recycling, and conservation programs.

Policy 5.1.3.3: The City shall coordinate with Brevard County with respect to solid waste management and waste recycling programs.

Policy 5.1.3.4: The City will assist the efforts of Brevard County in promoting the reduction of the solid waste stream.

VI - STORMWATER MANAGEMENT ELEMENT

Serving the Community

GOAL 6.1: The City shall ensure the provision of a stormwater management system of appropriate capacity and functionality to protect public health and safety, fulfill requirements of the National Pollutant Discharge Elimination System (NPDES) and Total Maximum Daily Loads (TMDL's).

Objective 6.1.1: Protect Groundwater Recharge, Natural Drainage Features and Water Quality. The City shall continue to require, through the enforcement of development standards, the protection of groundwater recharge, natural drainage features and surface water quality from the impacts of development.

Policy 6.1.1.1: The City's land development regulations shall contain standards that require post-development groundwater recharge rates equal to or greater than pre-development rates.

Policy 6.1.1.2: The City shall include stormwater treatment measures and associated "best management practices" such as earthen berms, swales, settling basins, retention/detention facilities, filtration facilities, natural vegetation and vegetative buffers, oil/grease baffles and skimmers, porous pavement materials, street sweeping and similar devices and practices intended to improve overall water quality in any adopted design standards and land development regulations.

Policy 6.1.1.3: The City will continue to reduce the quantity and improve the quality of stormwater discharge into receiving water bodies and wetlands by continuing to maintain and operate the following stormwater storage/treatment systems:

A. The Rockpond Project treats stormwater runoff from 170+ acres of developed land in Cocoa that discharges into the St. Johns River. This project is a cooperative effort with the City of Rockledge and Brevard County.

B. Bracco Pond treats 1800 acres of untreated stormwater in the City that currently drain directly into the Indian River Lagoon, and continues to be utilized, as permitted, as a supplemental water supply to the City's Reclaimed Water System. Water quality will be monitored in accordance with its Florida Department of Environmental Protection (FDEP) requirements.

C. The Riverfront Park Project stormwater treatment system treats urban stormwater runoff from 20+ acres and will continue to be monitored for its performance in accordance with its St. Johns River Water Management District. permit

D. North Fiske Stormwater Pond treats stormwater runoff from Florida Department of Transportation's widening of US 1.

E. Continue to seek additional projects for retrofitting stormwater systems utilizing best management practices and seeking grants as available.

Policy 6.1.1.4: The City shall require that proposed new development does not alter natural drainage patterns and water storage capabilities so that increased volumes of water are discharged onto surrounding properties or that surface drainage flow are not impeded or retarded so as to create or contribute to flooding or diminished land usage, unless such lands have been purchased or designated by the City for stormwater storage purposes.

Policy 6.1.1.5: The City shall inspect businesses as needed to protect against illegal dumping or drainage of hazardous, toxic or deleterious substances into the City's stormwater management system for conveyance into receiving water bodies.

Policy 6.1.1.6: The City, as required by NPDES permit and the Basin Management Action Plan (BMAP) process, shall collect, compile and evaluate water quantity and quality data for conveyance systems and water bodies that transport and receive flow from stormwater runoff originating from within City Limits. The City will use the surface water quality monitoring program for the purposes of assisting in:

A. Establishing baseline or ambient water quality conditions where none presently exist, and updating existing data on present conditions;

B. Determining the quality of discharges from particular stormwater outfalls suspected of being significant sources of pollutant discharge;

C. Identifying further capital improvements or performance standards for development which are needed to protect aquatic grass beds, wetlands, and water bodies.

Policy 6.1.1.7: The City shall maintain a comprehensive inventory of all components of the City's surface water management system as part of the City's Surface Water Management Plan, which will be updated in 2012 and every five years thereafter, to include the determination and identification of:

A. Water flow patterns, hydro periods and the boundaries of all drainage basins within the City that receive stormwater from within the City, and those basins that receive stormwater from within and outside of the City;

B. Current land uses within each of the identified drainage basins;

C. All point source discharges;

D. Surface water that does not meet Florida Department of Environmental Protection (FDEP) standards;

E. 100-year flood-prone areas, including all floodplains;

F. Extent of existing excess (uncommitted) water flow and storage capacity;

G. Extent of existing deficiencies, including flow and storage capacities;

H. Improvements necessary for the proper operation and management of the Surface Water Management System; and

I. Engineering, biological, and other studies needed to develop the prioritized needs, types and locations of public capital improvement projects and additional performance standards for development.

Objective 6.1.2: Maintenance and Operation of Public Stormwater Facilities. The City shall ensure that all stormwater management systems under the City's authority receive the proper levels of operation and maintenance necessary for the effective accomplishment of their intended water management functions.

Policy 6.1.2.1: Surface water management projects will be implemented in accordance with the adopted Surface Water Management Plan, as updated, and the Capital Improvements Element.

Policy 6.1.2.2: The City shall inspect public stormwater management system components and undertake required maintenance on at least an annual basis.

Policy 6.1.2.3: The City shall coordinate with various public entities such as the SJRWMD, FDEP, Brevard County, and with various civic organizations, in the preparation and dissemination of information to the public regarding litter control, fertilizers, pesticides and herbicides usage and proper application procedures, and the proper disposal of pollution-causing substances and materials.

Policy 6.1.2.4: The City shall continue to implement and update the Surface Water Management Plan. Specifically, the plan will contain such elements as the following as they are developed by the City or other agencies acting to protect and enhance the waters outlined in the plan:

A. Determine the boundaries of all drainage basins within the City limits to which stormwater within the City drains and the boundaries of all drainage basins, within and outside of the City limits, from which the City receives drainage;

B. Identify, quantify, and prioritized flooding situations by magnitude, frequency and severity of impact, including the ability of existing wetlands and water bodies to assimilate stormwater, based on an analysis of plant communities,

without degrading the vitality of the natural wetland communities;

C. Develop a plan for solving or avoiding flooding situations including a preferred alternative and at least one alternative solution for each flooding situation that will accomplish significant reduction or elimination of pollutants in both stormwater and point source discharge from reaching receiving water bodies and wetlands for each drainage basin. Solutions shall make use of non-structural methods, including performance standards for development, wherever possible;

D. Assess the general vitality and distribution of grass beds in water bodies as well as natural wetland plant communities in wetlands for those water bodies which currently receive, or can reasonably be expected to receive in the future, stormwater or point source discharges from within the City limits. Where grass beds for wetland plant communities have been or may be adversely affected by stormwater or point source discharges, develop specific strategies and an implementation schedule for eliminating these adverse impacts;

E. Design and implement a surface water monitoring protocol, including:

1. Identification of the entity charged with the responsibility of carrying out this work;
2. The type, location, and frequency of monitoring; and
3. Where the monitoring program indicates permit violations or degradation of the receiving waters or wetlands or their grass beds or plant communities, requires that retrofitting, replacement, or redesign of stormwater systems or point source discharges must be done.

F. Identify prioritized actions regarding flood control and abatement, stormwater management, environmental and resource protection and water pollution control problems, needs, issues and opportunities;

G. Identify performance standards needed to assure protection of water quality and water flow regimes and native plant communities in wetlands and water bodies; and

H. Identify the entity assigned the responsibility of undertaking or overseeing each recommended action.

Objective 6.1.3: Intergovernmental Coordination. The City shall maintain effective levels of intergovernmental coordination and cooperation with affected units of federal, state, and local government having responsibility for, or being involved in the planning,

design, construction and operation of stormwater management systems under the jurisdiction of multiple governmental agencies.

Policy 6.1.3.1: Interagency staff coordination through formal and informal means (e.g. interlocal agreements, jointly sponsored projects, watershed working groups and staff-to-staff liaison) will be maintained with Brevard County and other governmental agencies regarding downstream drainage canal capacities to ensure that flooding problems are not created by insufficient downstream flow capacity.

Policy 6.1.3.2: Information about the City's surface water management system will be provided to other agencies as requested for use in the planning, design and implementation of surface water management systems operated by other agencies.

Policy 6.1.3.3: The City shall actively participate in the preparation and implementation of applicable Surface Water Improvement and Management (SWIM) plans being undertaken by the SJRWMD that will involve or include land areas in the City or water bodies affected by drainage from the City. The City shall review and provide input to the SJRWMD in its update of the applicable SWIM plans for the Indian River Lagoon and St. Johns River. As part of the implementation of the SWIM Plan, the City shall develop and adopt specific strategies to protect and restore grass beds or wetland plant communities that have been or may be adversely affected by stormwater or point source discharge from the City, to include performance standards for development and prioritized actions to be taken by the City.

Policy 6.1.3.4: The City shall seek the advice and assistance of appropriate agencies in the design, establishment and implementation of the surface water monitoring program as required in the Joint Stipulation Agreement and Amended Final Order of the Florida Administration Commission, to include but not limited to Brevard County, the City of Rockledge, the SJRWMD, the FDEP and the U. S. Environmental Protection Agency.

Policy 6.1.3.5: Except as provided in Future Land Use Element Policy 1.1.2.7 (H), the City will require non-structural methods for flood control, wherever possible, that are designed to maintain natural flow rates and quantities of water.

Policy 6.1.3.6: Except as provided in Future Land Use Element Policy 1.1.2.7 (H), flood control for new development will be accomplished through the limitation of fill in the 100-year floodplain when economically feasible. In cases where there is no practical alternative to fill in the 100-year floodplain, compensatory storage shall be provided through excavation of a volume equivalent to the loss of storage within the

100-year floodplain resulting from the placement of fill in adjacent upland areas (above the 100-year floodplain) where such compensatory storage can be accomplished in an environmentally sound and economically feasible manner.

Objective 6.1.4: Stormwater Facilities Capacity. The City shall maximize the use of existing stormwater management facilities and require new development to construct facilities to achieve and maintain adopted stormwater management level of service standards that fulfill NPDES and TMDL mandates for stormwater quality and quantity.

Policy 6.1.4.1: The City, as part of the Surface Water Management Plan updates, shall identify and perform a comparative analysis of all capital, operational and maintenance costs associated with the identified preferred and secondary alternatives intended to address flooding, pollution control and environmental degradation problems and needs, including the following:

A. The estimated costs of undertaking individual actions involving public construction projects or major manpower commitments and an economically feasible funding source for each;

B. The proposed prioritized plan of implementation;

C. The recommended time schedule for undertaking the prioritized actions, based on levels of degradation suffered by or anticipated for wetlands and water bodies, financial capabilities and time requirements to undertake the individual actions; and

D. The list of necessary revisions to the Capital Improvements Element, including the Five-year Schedule of Capital Improvements, to reflect the prioritized actions which involve funding commitments.

Policy 6.1.4.2: Every five years, the City shall publish reports describing data obtained and progress made toward accomplishing the goals of the Surface Water Management Plan.

Policy 6.1.4.3: The City shall utilize funds from the stormwater assessment fee for correcting deficiencies in the public stormwater management system and funds from the stormwater utility service fee to provide funding for financing proposed improvements related to new development.

Policy 6.1.4.4: New development shall design stormwater management systems to meet the rules and criteria established by the City of Cocoa, the SJRWMD and the Florida Department of Environmental Protection, as applicable.

Policy 6.1.4.5: At a minimum, the existing stormwater management systems and current levels of service shall be maintained. The City shall achieve and maintain the following adopted stormwater management level of service (LOS) standards for new development and redevelopment:

STORMWATER MANAGEMENT	DESIGN STORM EVENT 25-year frequency/24-hour duration event
	ON-SITE STORMWATER MANAGEMENT Retention of the first one inch of rainfall runoff for areas of one acre or more; or retention of first one-half inch of rainfall runoff for drainage areas of less than one acre.
	STORMWATER QUANTITY Post development stormwater runoff flow rates, quantities, peaks, and velocities shall be equal to or less than levels that existed prior to development.
	STORMWATER QUALITY No significant degradation of water quality in receiving water bodies

Policy 6.1.4.6: The City shall inspect individual on-site stormwater treatment facilities following their construction and periodically to ensure proper operation and maintenance.

Objective 6.1.5: Sustainable Stormwater Management Strategies. The City shall encourage the use of sustainable, low impact development (LID) strategies to address stormwater management for developments ranging from individual building sites, to subdivisions, to large planned developments.

Policy 6.1.5.1: The City shall coordinate with local, regional, state and federal agencies to provide educational materials and forums to the public and the development community on the value and benefits of sustainable stormwater management facilities design.

Policy 6.1.5.2: For new construction or redevelopment of City buildings and facilities, the City shall utilize LID principles to the extent practicable to address stormwater management needs and to model innovative techniques:

- Manage stormwater as close to its origin as possible by using many small-scale LID techniques.
- Create a site design that slows surface flows, increases the amount of time stormwater flows over the site and implements/retains pervious surfaces (areas maintained in their natural conditions or materials that permit the infiltration or percolation of water into the ground) where appropriate.
- Increase the reliability of the stormwater system by using multiple, redundant stormwater controls.
- Integrate stormwater controls into the design of the site and use the controls as site amenities.
- Reduce the reliance on traditional collection and conveyance stormwater practices.

Policy 6.1.5.3: The City shall consider updating land development regulations to permit innovative LID techniques in the design of stormwater management facilities for development and redevelopment sites including, but not limited to the following:

- Bioretention cells or swales (also known as rain gardens);
- Cisterns and rooftop rainwater harvesting;
- Permeable concrete pavers or pavement.

VII - POTABLE WATER ELEMENT

Serving the Community

GOAL 7.1: The City shall plan for and assure an adequate supply of potable water to the citizens of Cocoa, municipalities and unincorporated areas within the franchise area granted by the State, Federal installations within the franchise area, and other customers in accordance with City of Cocoa agreements.

Objective 7.1.1: Maintain Level of Service. Based upon the adopted level of service (LOS) standards, the City shall adopt programs and activities as needed to correct existing deficiencies and maintain the public water system.

Policy 7.1.1.1: LOS standards are as follows:

AVERAGE FLOW: 122 gallons per capita per day (gpcpd) per Equivalent Residential Connection (ERC), or 340 gallons per day per ERC
PEAK DAILY FLOW: 510 gallons per day per ERC
PEAK FLOW COEFFICIENT: 1.5
PRESSURE: Normal: 55-65 psi. Peak Hour: 40-50 psi. During Fire: 20 psi.

Policy 7.1.1.2: The City shall update its LOS based on changes to the Regional and State Plans and the St. Johns River Water Management District (SJRWMD) Water Supply Facility Management Plan.

Policy 7.1.1.3: The City shall issue no development orders or permits without first determining whether adequate water supplies to serve the development will be available no later than the anticipated date of issuance by the City of a certificate of occupancy or its functional equivalent. The City will also ensure that adequate water supplies and facilities are available and in place prior to issuing a certificate of occupancy or its functional equivalent.

Objective 7.1.2: Plant Capacity. The City's Water Treatment Plant will continue to maintain sufficient design capacity to meet existing and projected flow rates based on annual summaries of capacity and demand information prepared by the City's Utilities Department.

Policy 7.1.2.1: Projected flow rates will be updated annually based on best available data.

Policy 7.1.2.2: Expansion of the design capacity of the Water Treatment Plants will be consistent with the goals, objectives and policies of the Plan and multi-jurisdictional water planning efforts in central Brevard County.

Objective 7.1.3: Service Area Development. The City will continue to provide potable water to its franchise area.

Policy 7.1.3.1: Potable water contractual agreements will include all necessary legal requirements, rates, service area specifications and relevant information pertinent to the provision of potable water service.

Policy 7.1.3.2: Development within the franchise area will be coordinated with the City specifications and requirements for provision of potable water service.

Policy 7.1.3.3: Expansion of the distribution system will continue to be funded by user fees and connection charges and supplemented with grant funds when appropriate.

Objective 7.1.4: Water Conservation. Water conservation will be ensured through standards established in the City's Consumptive Use Permit issued by the St. John's River Water Management District. All goals, objectives, and policies of the Conservation Element pertaining to use of potable water shall apply.

Policy 7.1.4.1: The City's land development regulations will include water conservation strategies. Conservation strategies may include, but are not limited to:

A. Installation of water conserving plumbing fixtures in new or renovated building construction that is, at a minimum, consistent with the requirements of the State Water Conservation Act and the Brevard County Water Conservation Plan.

B. Water reuse and/or reclamation, for irrigation, industrial use and other appropriate non-potable water use applications.

C. Requesting new development to use natural vegetation and/or drought resistant plants.

D. Continued utilization of escalating block rate water pricing for potable water use.

E. The City shall require all new development and substantial redevelopment to connect to the reclaimed water system, if available. If not available, but availability is planned within five years, require installation of dry lines for future connection to the reclaim system.

F. Continue requiring the installation of meters for reclaim service.

G. Where feasible, the City shall require reuse water or some other non-potable source of water, such as stormwater, for irrigation of all public areas owned by the City.

H. The City shall continue to implement best management practices for water conservation, including any new technology not yet developed.

I. The City shall adopt a water conservation ordinance for the incorporated City requiring use of such water conservation methods as use of "Florida Friendly Landscape Techniques", conduct landscape irrigation audits, conduct irrigation conservation presentations for local schools and organizations, and research and adopt low impact development techniques such as Florida's Water Star program.

J. The City shall evaluate offering incentives for increased water efficiency by giving a corresponding reduction in the standard water, sewer, and reuse water fees for new developments with proven water efficiency.

K. Encourage the use of third party, sustainable building rating and certification systems, such as the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system on all new developments as well as renovation projects including both private and public buildings.

Policy 7.1.4.2: The City will support water conservation through participation in existing county, state and federal programs, and by establishing its own programs, including but not limited to, developing a program to encourage retrofitting existing high volume flush toilets with low flow toilets.

Objective 7.1.5: Water Supply Facilities Work Plan (Work Plan). The City shall maintain a Water Supply Facilities Work Plan that covers a minimum ten-year planning period addressing water supply facilities necessary to serve existing and future development within the City's water service area.

Policy 7.1.5.1: The City hereby adopts into the Comprehensive Plan by reference, its Water Supply Facilities Work Plan. To ensure ongoing consistency and compliance with the SJRWMD Water Supply Management Plan as it may be amended from time-to-time, this plan will be updated through amendments to the Comprehensive Plan.

Policy 7.1.5.2: On an annual basis, the City shall update the Capital Improvements Statement attached to the Water Supply Facilities Work Plan as an appendix to update the listing of projects needed to support the Work Plan.

Policy 7.1.5.3: Within 18 months of the SJRWMD updating its Water Supply Management Plan, the City shall adopt changes to its Water Supply Facilities Work Plan as needed to keep said plan current and

consistent with the SJRWMD's plan, including population and capacity projections.

Policy 7.1.5.4: In conjunction with the SJRWMD, the City shall develop a plan to increase its use of alternative water sources. The City shall continue to participate in the Cocoa / Rockledge Interconnect and the St Johns River / Taylor Creek Reservoir alternative water supply projects.

Policy 7.1.5.5: As required by State Statute and law, the City shall maintain an annually updated Capital Improvements Plan in conjunction with updates to the Capital Improvements Element of the City of Cocoa Comprehensive Plan.

Policy 7.1.5.6: The Water Supply Facilities Work Plan will be consistent with the potable water level of service standards established in Policy 7.1.1.1.

Policy 7.1.5.7: The Water Supply Facilities Work Plan will be updated within 18 months of any District Water Supply Plan SJRWMD updates that affects the City.

Policy 7.1.5.8: When updating the Water Supply Facilities Work Plan the City will seek alternative sources of water in order to meet projected demand increases.

Policy 7.1.5.9: The Water Supply Facilities Work Plan will be used to prioritize and coordinate the expansion and upgrade of facilities used to withdraw, transmit, treat, store and distribute potable water to meet future needs.

Policy 7.1.5.10: The City will establish and maintain at a minimum a current five year schedule of capital improvements for the improvement, extension, and / or increase in capacity of water facilities.

Policy 7.1.5.11: The City will compare the CIP with the CIE of the Comprehensive Plan annually to ensure compatibility and consistency between the two documents.

Policy 7.1.5.12: The City shall develop and maintain a water quality calibrated hydraulic model and accurate GIS maps for the potable water system.

Policy 7.1.5.13: The City shall develop and maintain a 20-year master plan for the potable water system with comprehensive updates conducted not less frequently than once every five years.

Objective 7.1.6: Alternative Water Supply. The City shall identify and use water supply sources that are consistent with the Water Supply Facilities Work Plan and the SJRWMD Water Supply Management Plan.

Policy 7.1.6.1: The City shall develop feasible alternative sources of water, while avoiding adverse impacts on the natural environment.

Policy 7.1.6.2: The City shall maximize the use of alternative water supplies and implement management techniques in order to sustain water resources, and enhance existing supplies.

Objective 7.1.7: Water Supply Sources. The City will identify and utilize sources of water that can be used to meet existing and future needs when maintaining and updating the Water Supply Facilities Work Plan.

Policy 7.1.7.1: In conjunction with the SJRWMD and other local governments the City will seek the development of efficient cost effective and technically feasible water sources that will supplement future demands without causing adverse impacts to water quality wetlands and aquatic systems. These sources may include but are not limited to brackish groundwater, surface water, and seawater.

Policy 7.1.7.2: The City will maximize the use of existing potable water facilities through the implementation of management techniques that can enhance a source of supply, sustain water resources, and related natural systems and/or optimize water supply. These techniques may include but are not limited to aquifer storage recovery; reclaimed water system interconnects, and water conservation.

Policy 7.1.7.3: The City's annual water consumption will be equal to or less than the amount allocated under the District issued consumptive use permit.

Policy 7.1.7.4: The City will participate in updates of the SJRWMD's water supply assessments and updates of the District Water Supply Plan to enable the City to effectively update design and implementation aspects of the City's water supply plan.

Objective 7.1.8: Provision of Potable Water on a Wholesale Basis. When feasible, the City will enter into agreements to provide potable water on a wholesale basis to other potable water suppliers in need of potable water outside of the City's franchise area.

Policy 7.1.8.1: Any wholesale water agreements will include all necessary legal requirements, rates, financing specifications, and relevant information pertinent to the provision of potable water on a wholesale basis.

Policy 7.1.8.2: All wholesale water agreements will be consistent with the standards and requirements established in the City's Consumptive Use Permit(s) issued by the St. Johns River Water Management District.

VIII - NATURAL GROUNDWATER AQUIFER RECHARGE ELEMENT

Serving the Community

GOAL 8.1: The City shall protect and preserve the function of the surficial fresh-water aquifer and recharge areas within the City of Cocoa to ensure an adequate source of quality and quantity of potable water.

Objective 8.1.1: Intergovernmental Coordination. The City shall coordinate with other agencies and continue to enforce measures in the City Code that will ensure preservation of natural recharge to the City's groundwater resource and conservation of its potable water sources.

Policy 8.1.1.1: The City shall coordinate with Brevard County, the SJRWMD and other state and federal agencies in the education of residents and business owners on water conservation and the protection of groundwater.

Policy 8.1.1.2: The City shall continue to coordinate with Brevard County, Orange County, the SJRWMD and state and federal agencies to achieve regional aquifer recharge protection objectives.

Policy 8.1.1.3: In order to reduce the potential for saltwater intrusion and to protect existing groundwater supplies, the City shall continue to require the expansion of the alternative water supply and distribution system.

Objective 8.1.2: Best Management Practices. The City shall recognize best management practices and include these in the land development regulations to protect and preserve the quality and quantity of groundwater occurring in the City of Cocoa.

Policy 8.1.2.1: The City shall continue to enforce land development regulations that establish standards for development to protect recharge areas through the requirement for landscaping and open space.

Policy 8.1.2.2: The City shall continue enforcement of its land development regulations to ensure that land uses requiring the routine application of pesticides or herbicides or requiring underground storage of hazardous materials maintain a groundwater monitoring program designed to detect contamination of the surficial aquifer.

Policy 8.1.2.3: The City shall require that development within high aquifer recharge areas maintain pre-development net recharge in the post-development condition to protect ground and surface water quality.

Policy 8.1.2.4: The City shall identify critical high aquifer recharge areas that are vital to the protection of natural systems and/or current or future sources of potable water and require a higher level of protection for these areas than required elsewhere in the City, including, but not limited to, lower impervious surface ratios, higher open space requirements and enhanced stormwater runoff protection measures.

Policy 8.1.2.5: Pervious surface shall be defined as land that is not built upon with any structure or pavement nor has any feature that prevents surface

water from percolating into the ground and recharging the aquifer. Wet stormwater ponds, wetlands and lakes shall be excluded from meeting the pervious surface requirement.

IX - COASTAL MANAGEMENT ELEMENT

Serving the Community

GOAL 9.1: The natural resources of the City's coastal planning area shall be preserved, protected or enhanced, as physically, fiscally, and practically feasible in light of impacts from sea level rise, to provide the highest possible water quality, habitat for fish and wildlife and use for public recreation while safeguarding human life, property and public expenditures.

Objective 9.1.1: Coastal Planning Area: The Coastal Planning Area (CPA) shall be defined as the hazard area as delineated in Figure CM-1 which includes:

(1) The Coastal High Hazard Area (CHHA);
(2) Areas of the City vulnerable to a Category 3 storm surge as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model;
(3) Areas of the City vulnerable to sea level rise by 2070 based on the 2013 USACE High sea-level-rise curve;
(4) Other areas of the City identified by the City Council as being subject to, or in the immediate vicinity of areas subject to, coastal erosion, flooding or sea level rise.

Policy 9.1.1.1: If 20% or more of a parcel is located within the CPA, then the entire parcel shall be considered within the CPA.

Policy 9.1.1.2: The CPA shall also serve as the Adaptation Action Area in accordance with Sections 163.3164(1) and 163.3177(6)(g)10 Florida Statutes with the purpose of increasing funding opportunities (such as grants) and identifying creative solutions for increasing the resiliency of the Adaption Action Area against natural hazards, flooding and sea level rise, so that the City may:

(1) Protect the health, safety and welfare of residents
(2) Prevent damage to public and private property
(3) Reduce National Flood Insurance Program premiums to property owners
(4) Prioritize policies, projects and funding that implement flood alleviation improvements and mitigation projects

Policy 9.1.1.3: Every 7 years, the City shall use public input, subject matter experts and best available science/data to refine the identification of the Coastal Planning Area.

Objective 9.1.2: Protection of Marine Resources. The City shall protect and restore, where possible, the following natural resources and environmental attributes within its control: endangered species and their habitat, native vegetation and wildlife, fisheries and estuarine habitat, water quality, wetlands, and floodplains.

Policy 9.1.2.1: The City shall continue to coordinate coastal planning area environmental protection and restoration efforts with adjacent local governments, and shall institute procedures to ensure that

development and restoration activities are consistent with existing resource protection plans.

Policy 9.1.2.2: The City shall, with the assistance of the Marine Resources Council of East Florida, identify all resource protection plans for the Indian River and Cocoa coastal planning area which exist or are in development.

Policy 9.1.2.3: The City shall ensure that its plans, procedures, and development criteria conform to the guidelines provided by resource protection plans for the Cocoa coastal planning area.

Policy 9.1.2.4: The City shall minimize the disturbance of natural shorelines to improve and continue the stabilization, protection and habitat benefits natural shorelines provide through the prioritization of the use of living shorelines over new or replacement armoring in the coastal planning area. The City shall review and update related City Ordinance(s), to require evidence as to whether a project is eligible for permitting by the US Army Corps of Engineers under "Nationwide Permit (54) Living Shorelines" and evidence as to whether a living shoreline offers sufficient protection to the property. If "evidence" as described in the updated ordinance demonstrates that a living shoreline is not sufficient to protect property and life, additional structural elements may be added but must be accompanied by living shoreline elements to the extent practical and feasible.

Policy 9.1.2.5: The City shall maintain shoreline protection and erosion control by working with property owners and Brevard County to facilitate the installation and maintenance of native shoreline vegetation, oyster matts and other natural techniques along appropriate areas.

Policy 9.1.2.6: Public expenditures in the coastal planning area, when available, will consider including programming improvements that restore and enhance natural resources.

Objective 9.1.3: Estuarine Environmental Quality. The City shall preserve and protect the environmental quality of estuarine environments by limiting specific impacts and cumulative impacts of development or redevelopment while considering future impacts of sea level rise and flooding.

Policy 9.1.3.1: The City shall actively participate in the Surface Water Improvement and Management (SWIM) Plan administered by the St. Johns River Water Management District (SJRWMD) for the Indian River Lagoon.

Policy 9.1.3.2: The City shall participate in future updates to the Indian River Lagoon Comprehensive Conservation and Management Plan, most

recently updated in 2008, and will continue to support and implement the action plan items applicable to the City.

Policy 9.1.3.3: The City shall coordinate with the SJRWMD, the Florida Department of Environmental Protection (FDEP), the U.S. Army Corps of Engineers, and/or any other relevant regulatory agency, to conserve, enhance, and protect coastal wetlands.

Policy 9.1.3.4: The City shall, through its land development regulations, protect coastal natural resources from the impacts of development.

Policy 9.1.3.5: The City shall continue to work with Brevard County to implement the recommendations of the Brevard County Manatee Protection Plan as well as Save Our Indian River Lagoon Projects.

Policy 9.1.3.6: The City shall continue to implement National Pollution Discharge Elimination System (NPDES) nonpoint source permitting program.

Policy 9.1.3.7: The City shall coordinate estuarine water quality with the Brevard County Natural Resource Management Office. Corrective actions shall be coordinated with the SJRWMD and FDEP.

Policy 9.1.3.8: The City shall continue to use alternative methods of effluent disposal such as re-use and land spreading/spray irrigation to reduce nutrient loadings in the rivers and estuaries.

Policy 9.1.3.9: The City shall work with property owners to encourage and implement minimum buffer, where feasible, of native vegetation between the shoreline and turf.

Objective 9.1.4: Priority of Lagoon Shoreline Land Uses. The City shall continue to promote appropriate land uses along the Lagoon consistent with the public need, while protecting natural resources.

Policy 9.1.4.1: The City shall give priority in coastal development to those land uses that are dependent on or related to water access.

Policy 9.1.4.2: The approval of shoreline development proposals by the City shall be based upon the following shoreline use priorities:

A. Water dependent uses such as recreation, marinas and water dependent industry and utilities and uses approved as part of the City's Redevelopment Plan.

B. Water-related or enhanced uses such as certain utilities, water-related commerce and water enhanced recreation.

Policy 9.1.4.3: Industrial uses along the Indian River Lagoon in the City shall be prohibited.

Policy 9.1.4.4: The City shall require that new marinas, mooring fields and substantial improvements or additions to existing marinas demonstrate compliance with the following criteria:

A. Economic need and feasibility;

B. Land use compatibility with surrounding land uses;

C. Availability of upland support services;

D. Availability for public use;

E. A plan to ensure that water quality will not be degraded below existing FDEP water classification standards. The plan shall address the maintenance and containment of stormwater runoff and wash-down water for dry storage areas and sanitary sewer disposal;

F. Minimize shoreline hardening structures

G. Hurricane contingency planning;

H. Designation by the Clean Marina Program;

I. A plan for mitigation activities in the event that the environment is adversely affected;

J. An educational plan for users regarding impacts on the Lagoon is in place; and

K. A plan for adaptation or mitigation strategies for sea level rise through 2070 and flood impacts to vulnerable infrastructure or facilities on the property in order to minimize damage and impacts to the property and lagoon.

Policy 9.1.4.5: The City shall promote strategies and site development techniques with existing and new marinas to reduce impacts from sea level rise, flooding and storm surge such as, but not limited to, natural shorelines, dry or wet flood proofing, elevation of structures and infrastructure, and floating docks.

Objective 9.1.5: Public Expenditures in the Coastal Planning Area. The use of public funds for infrastructure improvements which subsidizes increased development in the Coastal Planning Area (CPA) will prioritize projects which restore or enhance natural resources, are part of the City's Redevelopment Plan and/or serve to reduce risk of existing development and property hazards such as sea level rise, flooding and storm surge.

Policy 9.1.5.1: Public expenditures for capital improvements that promote public access, hazard mitigation and use of coastal areas shall be reviewed through the annual budget process to minimize loss potential and account for future impacts from sea level rise and flooding.

Policy 9.1.5.2: Local funds used to subsidize new development through new or improved infrastructure shall be limited within the CPA. New or

improved infrastructure in the CPA shall not be used to justify new development in the CPA where the new or improved infrastructure removes previous capacity/safety impediments to additional development.

Objective 9.1.6: Public Access to the Lagoon. The City shall continue to promote public access to the Lagoon consistent with the public need and to promote scenic views, while protecting natural resources and mitigating risk from natural hazards.

Policy 9.1.6.1: The City shall, where appropriate and to the extent physically and financially feasible while considering impacts from sea level rise and flooding, maintain and preserve all public access and water-related recreational facilities and shall inventory existing public access to the lagoon and water-related recreational facilities to identify deficiencies and opportunities.

Policy 9.1.6.2: The City shall encourage the preservation of recreational and commercial working waterfronts as defined in section 342.07, F.S.

Policy 9.1.6.3: The City shall adopt Brevard County's marina siting criteria by 2022.

Policy 9.1.6.4: The City shall continue to consider the purchase of frontage areas along the Indian River Lagoon, as needed, to ensure adequate public access, improve the estuarine area and serve as areas to mitigate impacts from storm surge, sea level rise and flooding.

Policy 9.1.6.5: The City shall continue to seek County, state and federal programs to provide funding for purchase of riverfront property.

Policy 9.1.6.6: The City shall coordinate with the County to ensure bikeway linkages to waterfront parks and public water access.

Policy 9.1.6.7: The City shall continue to coordinate with other coastal cities and Brevard County to investigate and implement equitable measures to promote the provision or funding of public access ways to the Indian River Lagoon by new development.

Policy 9.1.6.8: The City shall encourage, through the development review and approval process, the voluntary dedication of access to public waterways including designated scenic areas, conservation easements and other green space or natural areas with infrastructure strictly limited to that necessary for safe public access.

GOAL 9.2: The City shall, as practically and financially feasible, establish and implement strategies for new development, redevelopment and investment in public facilities, utilities and infrastructure to protect and mitigate losses to human life and property in areas subject to natural disasters, flooding, and sea level rise.

Objective 9.2.1: Coastal High Hazard Area (CHHA). The City shall continue to direct population concentrations away from the CHHA through implementation of the future land use map, land development code and through the development review and approval process.

Policy 9.2.1.1: The Coastal High Hazard Area is delineated as the area below the elevation of the Category 1 storm surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model.

Policy 9.2.1.2: The City shall continue to evaluate non-conforming land uses within the CHHA.

Policy 9.2.1.3: In order to continue to direct population away from the CHHA, any increase of density for properties within the CHHA shall generally be discouraged from the time of this plan's adoption.

Objective 9.2.2: Development, redevelopment, rebuilds, retrofits and additions in the City shall be planned and managed through strategies and design principles that are consistent with sound planning practices that protect life and property from the effects of flooding, storm surge and related impacts of sea level rise and that protect the long-term financial viability of the City.

Policy 9.2.2.1: All new development and redevelopment shall be consistent with, or more stringent than, the flood resistant construction requirements in the Florida Building Code and applicable flood plain management regulations set forth in 44 C.F.R. part 60.

Policy 9.2.2.2: The City shall require site development techniques that encourage more efficient and climate resilient development practices that include, but are not limited to:

- Low impact development techniques on private and public property that provide for site design, engineering and stormwater management to reduce stormwater runoff, encourage greater onsite storage, reuse or absorption and mitigate flood impacts such as pervious pavement, native vegetation, rain gardens or barrels, etc.
- Prioritization of living shoreline installation and maintenance.
- Allowance of specialized fortification techniques as recommended by the Florida Green Building Council.

Additionally, the City shall continue to further explore standards that increase the City's coastal resiliency, such as requiring development to build at least three feet above the area's Base Flood Elevation or reducing the development's total amount of required parking while increasing the facility's potential for water absorption and retention.

Policy 9.2.2.3: The City shall utilize, but not be limited to, the following tools, site development techniques and strategies for use within the coastal planning area and areas within the 100-year floodplain to implement and integrate in order to mitigate flooding and effects of sea level rise and storm surge in order to protect property, to the greatest physical and financial extent possible:

(1) Green street techniques to divert, capture or absorb water in a way to reduce flood impacts on private property, including, but not limited to street trees, landscaped areas and vegetative curb extensions, bioswales, vernacular streetscapes, and roadway re-design.
(2) Hybrid stormwater masterplan to integrate a combination of green and gray infrastructure, including but not limited to bioretention, increasing pipe capacity, stormwater parks, rain gardens/bioswales, pumps, and water flow diversion strategies.
(3) Underground utilities in vulnerable and feasible areas;
(4) Establish new parking standards and parking lot site plan design with greater water capture techniques;
(5) Increase of set-back lines for properties in the CPA
(6) Natural dune restoration
(7) Permeable pavement
(8) Dry and Wet flood proofing of structures
(9) Green/Open space

Policy 9.2.2.4: The City shall not allow nursing homes, assisted living facilities, hospitals, or other group homes to be located in the Coastal Planning Area.

Objective 9.2.3: Plan and Process Consistency. The City will work to institute the practice of adapting and mitigating the built environment to address natural hazards, flooding, and impacts from sea level rise across all plans, policies, procedures and coordination with partner agencies.

Policy 9.2.3.1: The City shall audit and update all plans, policies, processes and other related documents to be consistent with the peril of flood goals, objectives and policies set forth in the comprehensive plan.

Policy 9.2.3.2: The City will work with City staff and the public to integrate and implement the 2019 City of Cocoa Resilience Action Plan.

Policy 9.2.3.3: The City, as per its adoption of the East Central Florida Regional Resilience Action Plan, will continue to collaborate regionally with

other entities and stakeholders to advance resilience across the region.

Policy 9.2.3.4: The City, as per adoption of the East Central Florida Regional Resilience Action Plan will integrate the regional approach to sea level rise planning with its plans, procedures and policies. The City will consider a range of rise based upon the vulnerability, allowable risk, and project service life and the forecast project "in-service" date of a facility or development. The range will include a minimum rise of 5.15 feet by 2100 (2013 USACE High) with an upper range of 8.48 feet by 2100 (2017 NOAA High). Short-term planning should consider impacts out to 2040, 1.22 -1.85 feet (20-year planning horizon), medium-term planning should consider impacts out to 2070 (2.85-4.47 feet) (50-year planning horizon), and long-term planning should extend out to 2100 (80-year planning horizon).

Policy 9.2.3.5: The City shall assess current policies, ordinances and codes to increase mixed-use development in areas outside the 100-year flood plain, sea level rise, and flooding.

Objective 9.2.4: Evacuation Times. The City shall cooperate with Brevard County to ensure evacuation times are maintained or reduced and to ensure efficient evacuation of threatened residents to areas of safety in the event of a natural disaster.

Policy 9.2.4.1: In the event of a hurricane emergency the City will respond to the direction of the Brevard County Office of Emergency Management in the implementation of emergency plans. Coordinated emergency activities will include, but are not limited to warning, public information, communications, evacuation, public shelters and related welfare services.

Policy 9.2.4.2: The City will continue to require that development and redevelopment activities minimize the risks to life and property from natural disasters by evaluating the effects on evacuation times within the hurricane vulnerability zones.

Policy 9.2.4.3: The City shall generally discourage any increase in density within the Coastal High Hazard Area.

Objective 9.2.5: Post-Disaster Redevelopment Plan. The City shall develop a post-disaster redevelopment plan (PDRP) to establish, at minimum, long-term policies regarding redevelopment, infrastructure, densities, nonconforming uses, and future land use patterns.

Policy 9.2.5.1: The City shall develop a City specific post-disaster redevelopment plan by 2024.

Policy 9.2.5.2: Appropriate redevelopment activities in the Coastal Planning Area will be conducted through means which will institute appropriate

resilience planning for private property in coordination with goals, objectives and policies consistent with the comprehensive plan, mitigate conditions hazardous to life and property; identify, preserve, and improve historic resources and significant historic structures, sites, neighborhoods, and districts; preserve and improve natural resources; encourage recreational opportunities; and encourage appropriate commercial uses as physically and financially feasible when considering increasing levels of flooding, storm surge and the effects of sea level rise.

Policy 9.2.5.3: Guidelines for post-disaster redevelopment and hazard mitigation will continue to be developed and included in the City's land development regulations. These guidelines will be designed to reduce or eliminate the exposure of human life and limit repeat damage to public and private property due to hurricane hazards, account for the future impacts of sea level rise, and to promote the long-term economic and fiscal viability of the City. The guidelines will incorporate Brevard County's Local Mitigation Strategies into recommendations on hazard mitigation and other applicable interagency reports, as well as applicable chapters of the City Code or articles thereof.

Policy 9.2.5.4: Post-disaster redevelopment will be coordinated jointly by the Community Development, Public Works, and Code Enforcement departments and, if applicable, with the Federal Emergency Management Agency. Priority will be given to those post-disaster tasks needed to protect the health and safety of the public, restore public services and repair damaged infrastructure.

Policy 9.2.5.5: The City shall prepare inventories of properties for acquisition and removal, including repetitive loss properties and establish clear priorities for the use of acquisition resources.

Policy 9.2.5.6: The City shall continue to participate in the National Flood Insurance Program Community Rating System administered by the Federal Emergency Management Agency to achieve flood insurance premium discounts for their residents.

Policy 9.2.5.7: Procedures for post-disaster action shall include a system for distinguishing between immediate repair and clean-up actions needed to protect the public health and safety, versus long-term repair and redevelopment activities.

Policy 9.2.5.8: The City requires that any structure, including those abandoned, sustaining damage in excess of 50% of the building's assessed value comply with all City ordinances and current standards.

Policy 9.2.5.9: Recommendations provided by local agencies and in interagency hazard mitigation reports will be reviewed as available and will be implemented as feasible.

Policy 9.2.5.10: Temporary-building moratoriums may be declared in the coastal planning area when 50% or more of the structures have been damaged by 50% or greater to assess the impacts and feasibility of redevelopment.

Objective 9.2.6: Disaster Preparedness for Entities Critical to Redevelopment. The City shall develop and implement pre-and-post disaster preparedness measures critical for redevelopment.

Policy 9.2.6.1: The City shall work with local businesses and organizations to aid in disaster planning and recovery through the development of Continuity of Operations Plans and other preparedness strategies including employee coordination.

Policy 9.2.6.2: The City shall work with local merchant associations to provide an information program about hurricane preparedness for local businesses.

Policy 9.2.6.3: As part of outreach, education and other preparedness activities, the City shall assess the development of a program to work with local businesses to certify them as hurricane prepared which will help the community recover more quickly following a storm.

Objective 9.2.7: Historically and Archaeologically Significant Resources. The City shall protect and preserve architecturally, historically and archaeologically significant resources in the City's coastal planning area through the adoption of the land development regulations, zoning code provisions, a program for public and private site acquisition, within the City's funding capabilities and with the owner's consent, and sensitive reuse of historic resources.

Policy 9.2.7.1: The City shall protect historical and archaeological resources in the CPA, as physically and financially feasible, while considering future impacts, long-term strategies, and cost-benefit of the protection or adaptation measures.

Policy 9.2.7.2: The City shall compile a list of all properties which have been designated as historically, architecturally or archaeologically significant on a local, state or national basis within the coastal planning area.

Policy 9.2.7.3: The City shall discourage development activities that have the potential of endangering historic resources located within the coastal planning area.

Policy 9.2.7.4: The City will encourage the retention of all historic properties in the City, with sensitive, adaptive reuse being examined as an alternative to demolition. Rehabilitation, restoration, relocation, mitigation, and reuse plans and designs will be guided by the recommended approaches identified in objective criteria published by governmental agencies, preservation organizations and which the City may adopt from time to time.

Policy 9.2.7.5: The City will encourage individuals, groups and organizations to submit reliable information about the history or architectural historical significance of individual properties in the City as an aid in the documentation of their significance.

Policy 9.2.7.6: The City will prepare an information document containing an identification of historic resources in the City, to include address, map location, brief notation of historical significance, landmark status, ownership (Public/Private), vulnerabilities and other relevant information for public information purposes. The City will seek state funds for the preparation of the document.

Policy 9.2.7.7: The City will participate, within its financial resources, with other governmental agencies, civic organizations, business groups and interested persons to purchase historic resources with the owner's consent and to accept responsibility for restoration in support with the property owner, in an "adopt-a-house" or similar program for the purpose of maintaining historic properties in good repair, form and appearance, and for functional uses.

Objective 9.2.8: Infrastructure in the Coastal Planning Area. Level of service standards and service areas for the City as a whole, as adopted in the Capital Improvements Element, may apply to the infrastructure within the coastal planning area but with the need to consider long-term implications of increased hazards due to sea level rise and flooding and balances design considerations for the current and future impacts of sea level rise and flooding with the benefits and challenges of incorporating the impacts and maintenance during the service-life utility of infrastructure.

Policy 9.2.8.1: Phasing of infrastructure will occur according to the Capital Improvements Element and in accordance with development regulations adopted subsequent to this plan with specific consideration given to protection of coastal resources.

Policy 9.2.8.2: The level of service standards adopted in other elements of this Comprehensive Plan may apply within the coastal planning area depending on evaluation of factors such as cost-benefit analysis that considers, among other factors, number of times infrastructure has been damaged, upgraded, or rebuilt; number of people served by the infrastructure; whether alternatives for the services provided by the infrastructure are present; criticality of the infrastructure for

protection of safety; potential increased hazards to first responders; etc.

Policy 9.2.8.3: Consideration shall be given to alternative locations of infrastructure, hardening, elevating or other strategies if located in the coastal planning area to reduce potential public losses.

Policy 9.2.8.4: Infrastructure and roadway improvements within already developed public rights-of-way will be maintained as determined feasible and reasonable by City policy in good-faith attempts.

Policy 9.2.8.5: When constructing or reconstructing utilities or infrastructure, the City shall assess vulnerabilities and resilience to sea level rise, flooding and storm surge, and identify cost-effective strategies to minimize exposure and reduce impacts.

Policy 9.2.8.6: The City shall prioritize the use of Green Street techniques (reference Policy 9.2.2.2 (1)) within the Stormwater Master Plan, on public rights-of-way, to the extent financially and physically possible, to alleviate flood impacts to streets and buildings and maintain its level of service standards.

CITY OF COCOA
COMPREHENSIVE PLAN

COASTAL MANAGEMENT ELEMENT

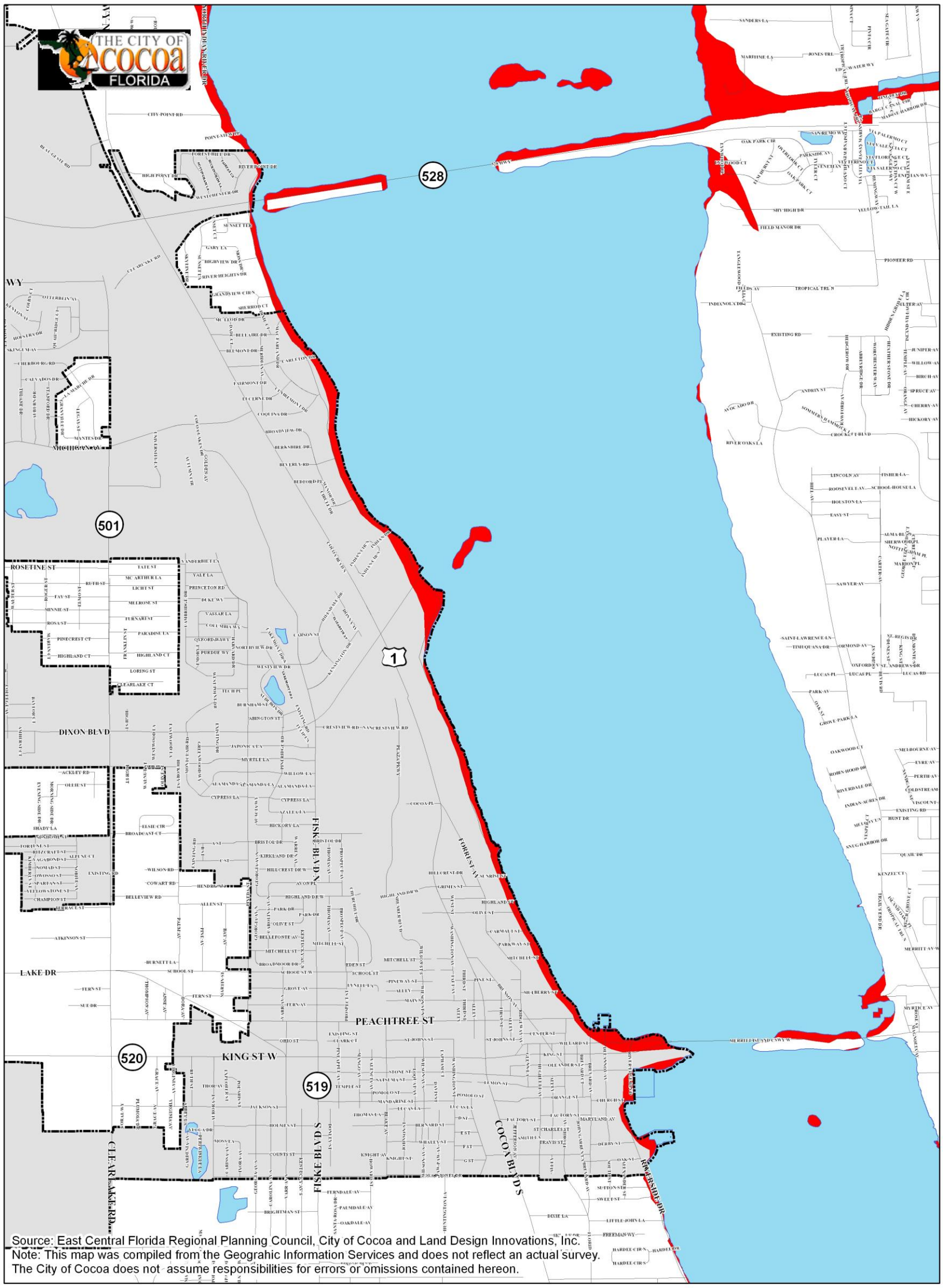
MAPS

February 26, 2020

LIST OF MAPS

Map M-IX-1: (Included in 2010 Data & Analysis only)
Map M-IX-2: Coastal High Hazard Area Map
Map M-IX-3: (Included in 2010 Data & Analysis only)
Map M-IX-4: (Included in 2010 Data & Analysis only)
Map CM-1: Coastal Planning Area (CPA) Map -- NEW MAP
Map CM-2: Existing Land Use within the CPA -- NEW MAP
Map CM-3: Future Land Use within the CPA -- NEW MAP
Map CM-4: FEMA Floodplain within the CPA -- NEW MAP
Map CM-5: Surge Hazard (SLOSH) Map -- NEW MAP
Map CM-6: Sea Level Rise Projections -- NEW MAP

Map M- - oastal igh a ard Area



COASTAL HIGH HAZARD AREAS

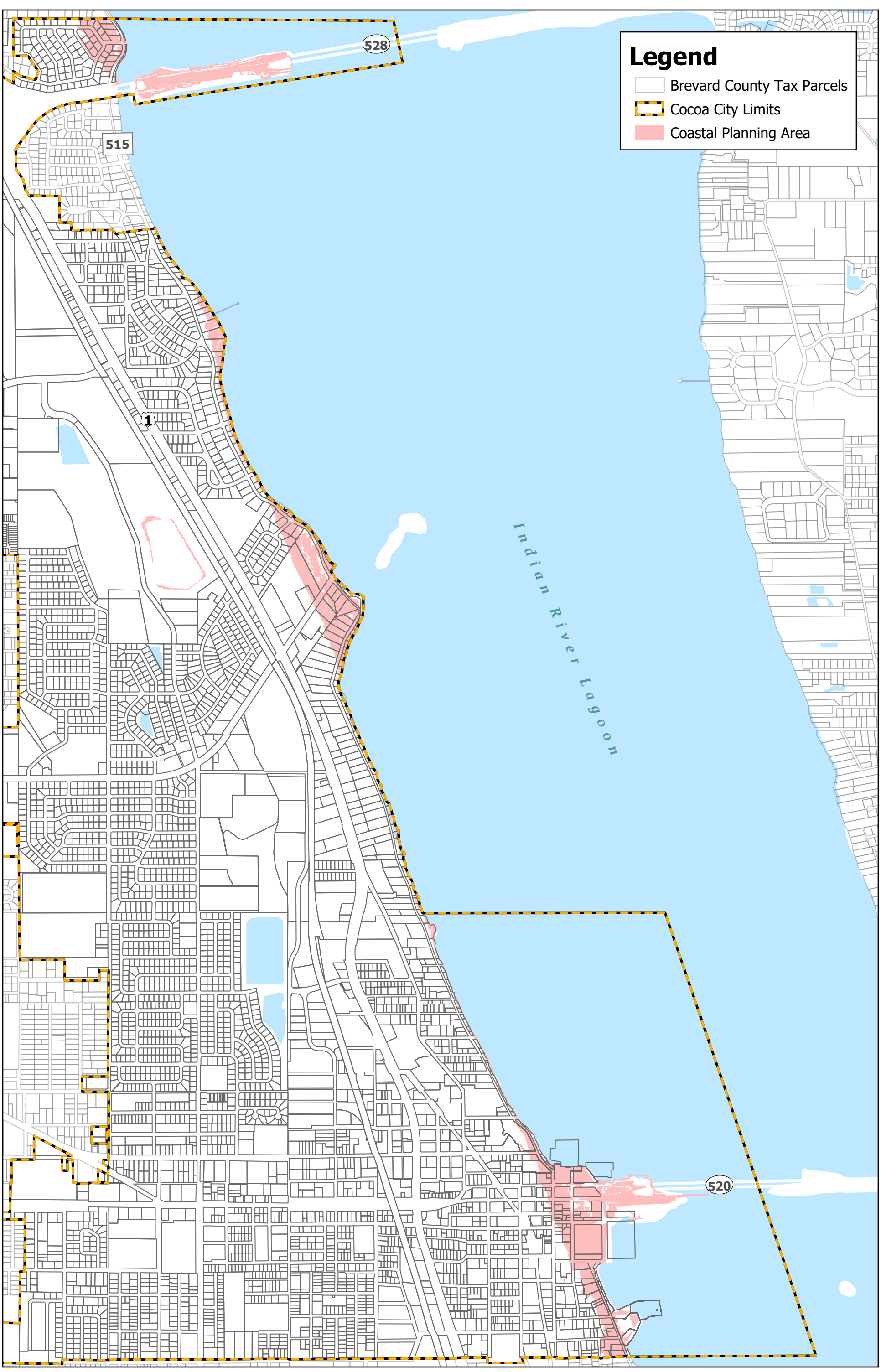
Category 1 Storm Surge

City Boundary

0 0.125 0.25 0.5 Miles

LAND DESIGN INNOVATIONS Incorporated
140 North Orlando Avenue
Suite 295
Winter Park, Florida 32789

March 2010



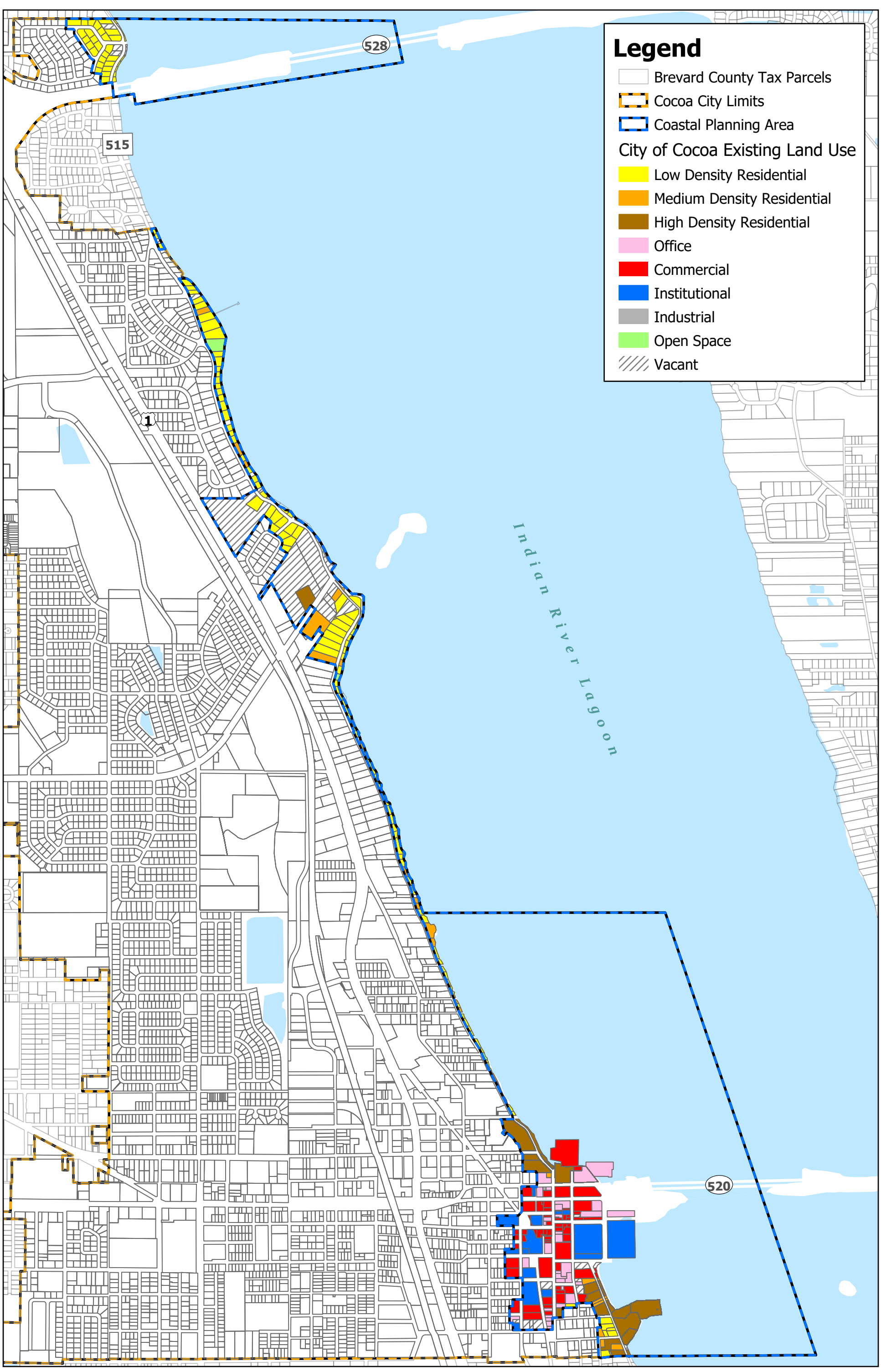
0 650 1,300 Ft.

CM-1: Coastal Planning Area Map

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COCOA FLORIDA



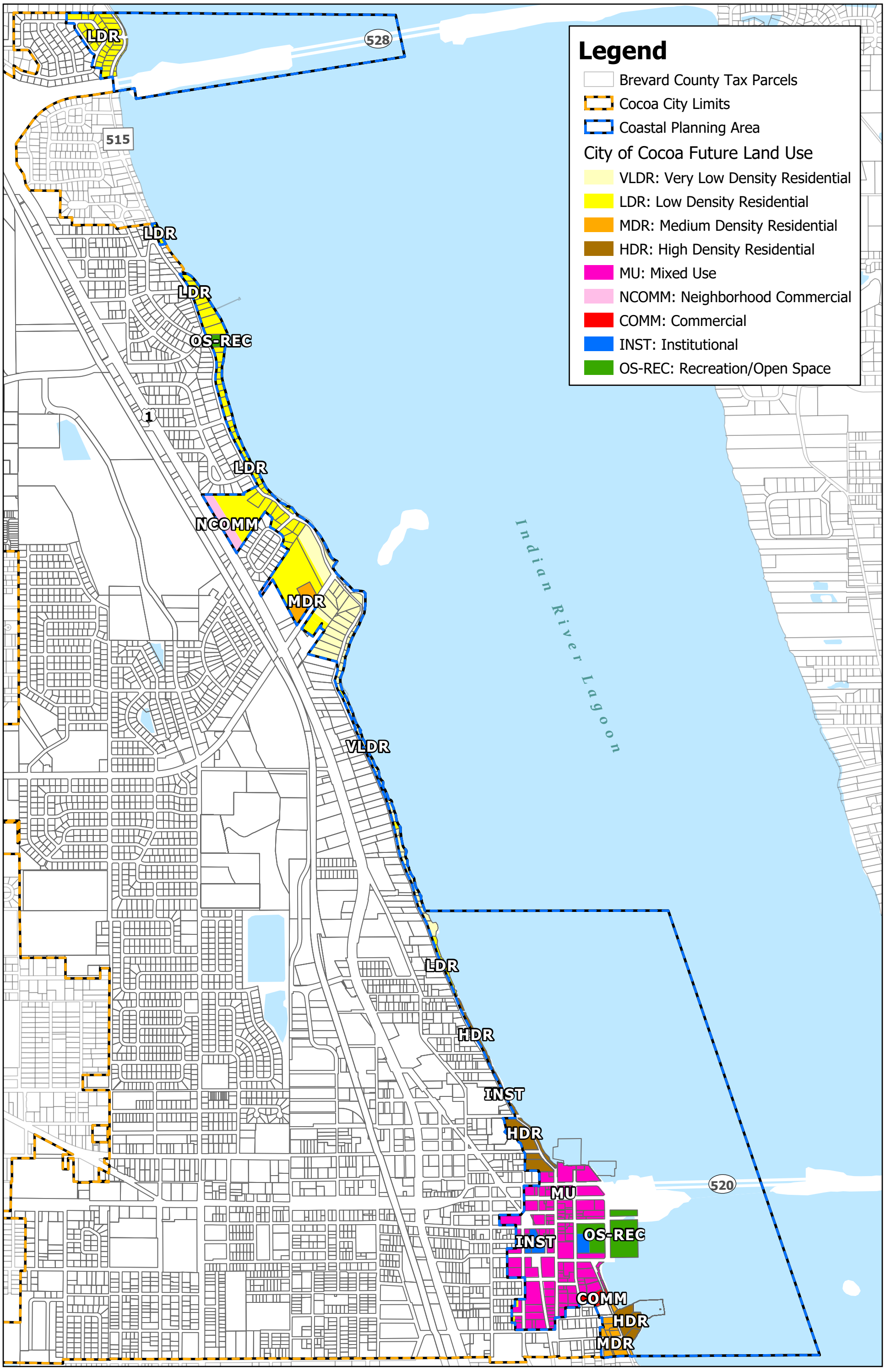
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CM-2: Existing Land Use

Within the Coastal Planning Area



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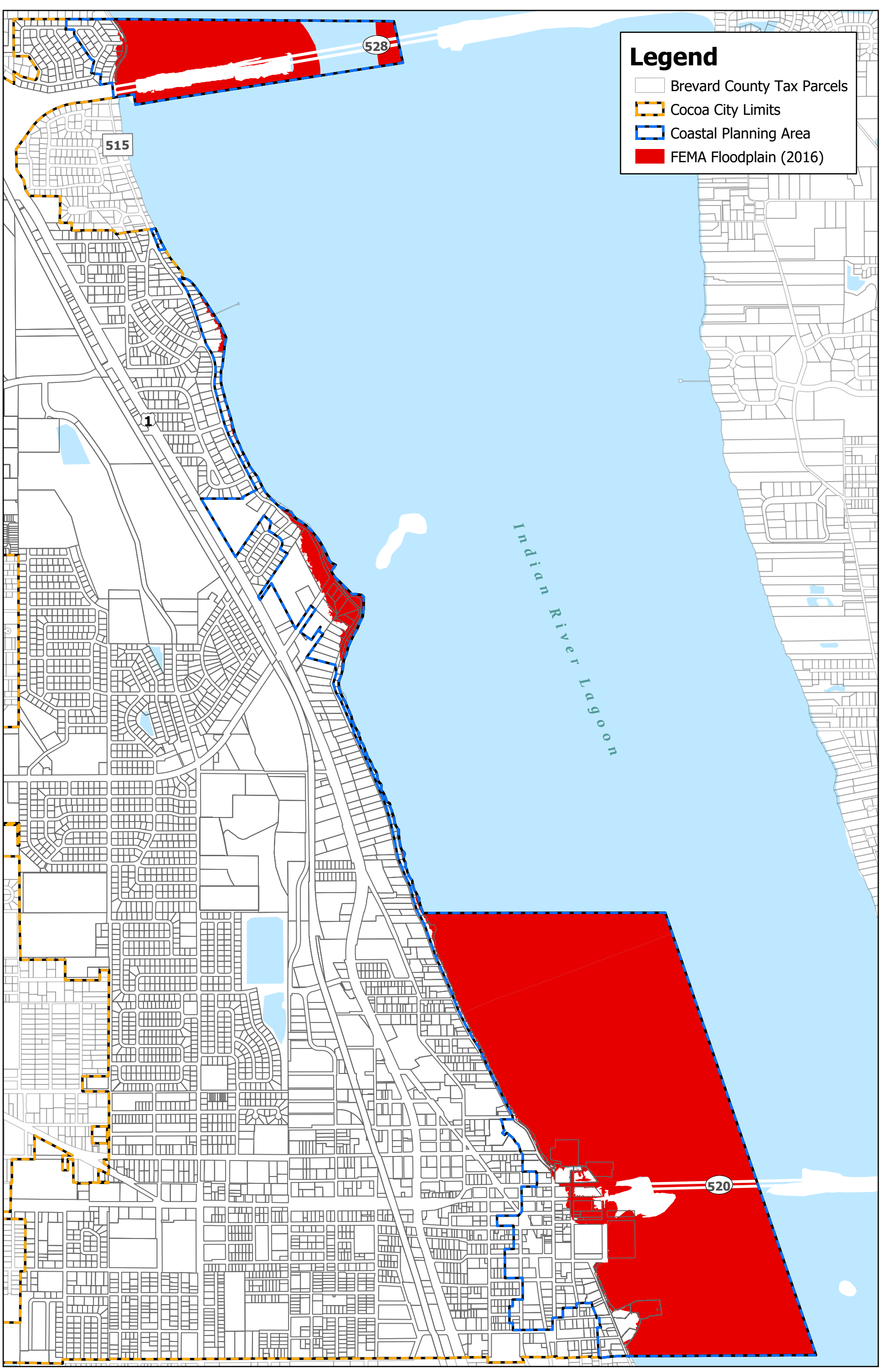
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CM-3: Future Land Use

Within the Coastal Planning Area

COCOA FLORIDA



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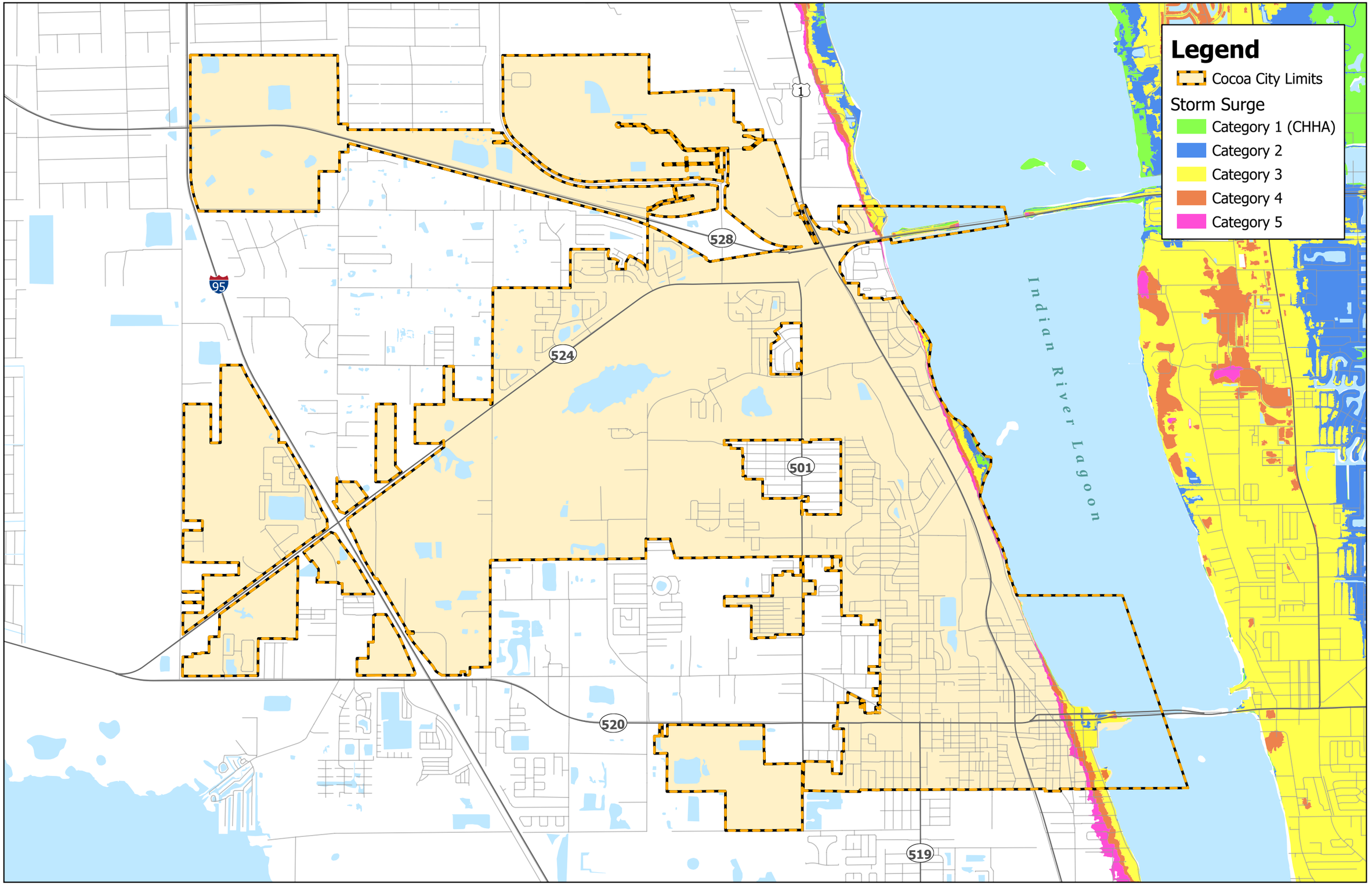
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CM-4: FEMA Floodplain

Within the Coastal Planning Area

COCOA FLORIDA

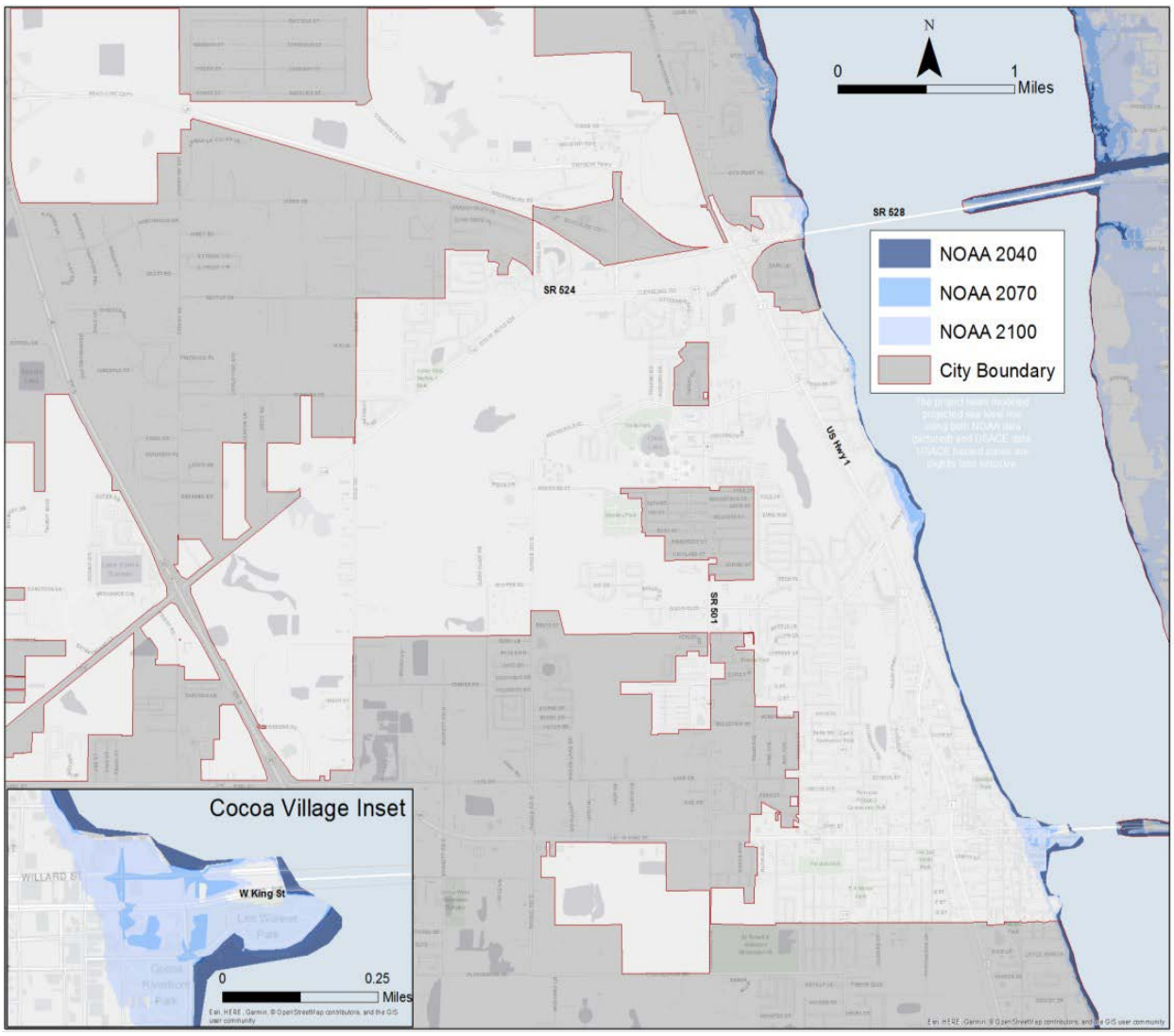


Surge Hazard Map

Within Cocoa City Limits

CM-6: Sea Level Rise Projections

Based on National Oceanographic and Atmospheric Administration (NOAA)



Information provided from the 2019 Resilient Cocoa plan.

X - RECREATION AND OPEN SPACE ELEMENT

Serving the Community

GOAL 10.1: Recreational Provisions. To ensure that Cocoa residents have access to a full range of recreational opportunities.

Objective 10.1.1: The City will coordinate resources with Brevard County Parks and Recreation, the Brevard County School Board, and private resources, to meet the projected demand for parks, recreational facility and open space needs for the residents of Cocoa.

Policy 10.1.1.1: Continue the inter-governmental coordination involved in the established Brevard County Parks and Recreation District 4.

Policy 10.1.1.2: Continue to work with the School Board through the District 4 Parks and Recreation Office to expand the use and availability of School facilities to the citizens of Cocoa.

Policy 10.1.1.3: The City shall adopt the following Level of Service (LOS) for recreation needs:

Neighborhood Parks, Community Parks, and Urban District Parks	1.25 acres per 1000 population

Policy 10.1.1.4: The City shall periodically update its inventory of all recreational facilities in order to compare the level of maintenance and quality of those facilities with surrounding communities.

Policy 10.1.1.5: The City shall ensure the provision of a range of different types of facilities for passive outdoor recreational activities including nature trails or boardwalks, waterway trails, interpretive displays, educational programs, and/or wildlife observation areas.

Policy 10.1.1.6: The City will continue to coordinate with local service organizations annually to encourage participation in landscaping, supporting, and establishing recreational facility development.

Policy 10.1.1.7: The City will continue to work with Brevard County Parks and Recreation District 4 to achieve multiple community benefits during the development of parks and recreational areas.

Policy 10.1.1.8: The City will ensure that all recreational facilities are well maintained and redeveloped as needed.

Policy 10.1.1.9: The City will consider the creation of a Recreation Zoning District in the land development code.

Objective 10.1.2: The City shall provide accessibility to the recreational facilities and natural resources of the City for the enjoyment of all users.

Policy 10.1.2.1: The City will continue to work with the Brevard County Parks and Recreation District 4 to ensure the accessibility of recreational facilities for the handicapped, elderly and economically disadvantaged.

Policy 10.1.2.2: All new development of recreational facilities in the City shall be required to meet the Florida Accessibility Code.

Policy 10.1.2.3: The City will continue to work with the Brevard County Parks and Recreation Department to bring all existing recreation facilities into compliance with the Florida Accessibility Code.

Policy 10.1.2.4: The City will consider the siting of future Neighborhood Parks based on a walkable distance from residential dwellings to ensure an adequate dispersal of parks throughout the City.

Objective 10.1.3: The City shall provide interconnectivity between recreational facilities and the surrounding community.

Policy 10.1.3.1: New residential development providing recreational facilities shall be required to provide bicycle and pedestrian connections (such as sidewalks and bike paths), between all forms of recreation and the surrounding community.

Policy 10.1.3.2: Bicycle parking facilities shall be required at all new parks.

Policy 10.1.3.3: The City will work with the Brevard County Parks and Recreation Department to ensure that bicycle parking facilities are provided at all existing recreation facilities.

Policy 10.1.3.4: The City will follow the adopted WaterFront Master Plan as a supplemental plan which supports the connectivity objectives of the Comprehensive Plan.

Policy 10.1.3.5: The City will work to incorporate connectivity wherever feasible between recreational facilities in the City and the existing Brevard County Greenways and Trails Master Plan system.

Policy 10.1.3.6: The City will consider developing and adopting its own Parks and Recreation Master Plan, as well as a Pedestrian Routes and Bike Trails Master Plan.

GOAL 10.2: Open Space Provisions. Ensure the conservation of open space areas in the city to provide aesthetically pleasing buffer areas and visual open space, to serve as wildlife habitats, to act as groundwater recharge areas, to give definition to the urban area, and to enhance and preserve natural resources.

Objective 10.2.1: The land development regulations will include provisions for addressing the open space needs of the City.

Policy 10.2.1.1: The City will develop an ordinance which will define open space and set standards for open space preservation in local land development regulations.

Policy 10.2.1.2: The City will approve locating environmentally sound public access to conservation areas, nature trails, parks and passive recreational uses within dedicated upland buffers to wetlands in accordance with the policies in the Conservation Element, and only when the City determines that such uses will not adversely affect the buffers' primary functions of wetland buffering, provision of transition zone wildlife habitat, noise buffering, filtration/storage of overland stormwater runoff, visual screening and other applicable benefits. The City will not approve other uses for the buffer zone.

Policy 10.2.1.3: The City will coordinate with pertinent state and wildlife agencies and other agencies necessary to identify natural area greenways and wildlife corridors and to link existing public parks, and provide similar areas for conservation purposes.

Policy 10.2.1.4: The City shall provide efforts to coordinate the resources of other public and private natural resource preservation agencies, and will enhance efforts to fiscally support and encourage a program of public land acquisition in conjunction with current land use planning and development regulations and to create a system of natural area greenways and wildlife corridors.

Policy 10.2.1.5: The City will pursue acquisition of appropriate parcels of land through the Florida Forever Program or other appropriate City/State partnerships for the protection of environmentally sensitive lands, which protect unique, rare and/or endangered habitat, assure survival of listed wildlife species, protect scenic highway and water corridors and their shoreline ecosystems and provide public access and open space.

Policy 10.2.1.6: Uses allowed in open space and conservation areas within the City shall be limited to those compatible with and which preserve the natural character of the area, such as passive recreation, observation areas, hiking/biking and nature trails, canoeing/kayaking, primitive camping and environmental education facilities.

Policy 10.2.1.7: The City of Cocoa shall pursue a program to identify, ensure preservation of, and provide appropriate public access to areas of natural beauty and scenic importance.

Policy 10.2.1.8: The City will consider adopting the Department of Environmental Protection's definitions for "Conservation Open Space" and "Urban Open Space" as separate uses from recreation, which will be used to conserve potentially environmentally sensitive lands as well as wetlands and floodways; and will establish appropriate safeguards to ensure the future preservation of such lands in a natural state with minimal man-made impact.

XI - PUBLIC SCHOOLS FACILITIES ELEMENT

Serving the Community

GOAL 11.1: The City of Cocoa will ensure, through effective planning and coordination with the School District, that adequate school capacity is available to accommodate enrollment demand for City residents.

Objective 11.1.1: The City shall ensure adequate public school facilities are available in the City of Cocoa by adopting and implementing a school concurrency management system to address both short and long term planning needs.

Policy 11.1.1.1: The City adopts and shall utilize the following Level of Service (LOS) standards for public schools adopted by the School District. The permanent capacity of a school shall be that number contained in the Florida Inventory of School Houses (FISH) maintained by the Florida Department of Education (FDOE). Currently, the LOS for the School District is 100%.

Policy 11.1.1.2: When necessary, the School Board shall initiate appropriate program changes, boundary adjustments, and/or additional capacity to prevent the tiered LOS standards from being exceeded.

Policy 11.1.1.3: Concurrency shall be measured and applied using a geographic area known as a Concurrency Service Area (CSA) which shall coincide with the school attendance boundaries adopted by the School District. Either the City or the School District may propose a change to the CSA boundaries. The following procedures shall be used for modifying the CSA map:

A. The School District will transmit proposed CSA map modifications, with supporting data and analysis, to the City, other local governments, and the Capital Outlay Committee (COC). Any proposed change to a CSA shall require a demonstration by the School District that the change complies with the public school LOS standard and that utilization of school capacity is maximized to the greatest extent possible, taking into account transportation costs, court approved desegregation plans and other relevant factors. Adjustment measures to achieve the LOS standard shall include school boundary adjustments, shifts to contiguous CSA's with available capacity, proportionate share mitigation (land donation or payment), or construction of a traditional or charter school or permanent expansions.

B. The City and the COC will review the proposed modification of the CSA and send their comments to the School District within 45 days of receipt of the proposed change.

C. The modification of a CSA shall be effective upon adoption by the School Board.

Policy 11.1.1.4: For purposes of determining a proposed development's impact, the total number of students expected to be generated by the development, the projected number and type of residential units of

the proposed development shall be multiplied by the School District Student Generation Multiplier (SGM). The SGM shall be reviewed annually and amended as necessary to reflect the most recent district-wide generation rates.

Policy 11.1.1.5: The City shall participate with the School District, utilizing the following process, in considering and processing changes in the use of schools:

A. Following a determination by the School District that a school change is appropriate, considering the appropriate use of the school and utilization requirements, the School District shall transmit the proposed school use change and the associated data and analysis in support of the requested change to the Capital Outlay Committee and Staff Working Group.

B. The Capital Outlay Committee and Staff Working Group shall review the proposed changes to the school use, along with the supporting data and analysis, and send their comments to the School District within forty five (45) days of receipt.

C. The change in school use shall become effective upon final approval by the School Board.

Objective 11.1.2: The City shall ensure adequate public school capacity exists to accommodate new students generated by residential development. The City shall forward all applications for a residential development permit to the School District for a school concurrency evaluation and determination.

Policy 11.1.2.1: The City shall adopt necessary and appropriate provisions into its Land Development Regulations (LDR) to implement school concurrency management as contemplated in the Interlocal Agreement with the Brevard County School District and consistent with the objectives and policies of its Public Schools Facilities Element.

Policy 11.1.2.2: The City shall not approve any non-exempt residential development application for a new residential preliminary subdivision, site plan or functional equivalent until the School District School has issued a School Capacity Availability Determination Letter (SCADL) verifying available capacity.

Policy 11.1.2.3: The City shall consider the following criteria to exempt residential uses from the requirements of school concurrency:

A. Single family lots of record existing prior to the commencement date of the School Concurrency Program.

B. Any new residential development that has preliminary subdivision or site plan approval or the functional equivalent

for a site specific development order prior to the commencement date of the School Concurrency Program.

C. Any amendment to any previously approved residential development that does not increase the number of dwelling units or change the type of dwelling units (single-family to multi-family, etc.).

D. Age restricted communities with no permanent residents under the age of 18. Exemption of an age restricted community will be subject to a restrictive covenant limiting the age of permanent residents to 18 years and older.

E. The replacement of an existing residential dwelling unit, including those partially or entirely damaged, destroyed or demolished, with a new unit of the same type and use provided that the existing unit has been occupied at some time during the five-year period immediately preceding the construction of the new unit.

Policy 11.1.2.4: The City, through its land development regulations, and in conjunction with the School District, shall establish a school concurrency review process for all residential projects that are not exempt under Policy 11.1.2.3.

The minimum process requirements shall be as follows:

A. A residential development application including a School Impact Analysis (SIA) is submitted to the City for review.

B. The City determines application is sufficient and complete and transmits the SIA application to the School District for review.

C. The School District reviews the SIA application for available capacity and issues a School Capacity Availability Determination Letter (SCADL) to the City consistent with the following:

1. Where capacity is available within the affected CSA, the School District shall issue a SCADL verifying available capacity.

2. Where capacity is not available within the affected CSA, capacity availability in one or more contiguous CSAs shall be reviewed.

3. If capacity is available in one or more of the contiguous CSAs, the School District shall issue a SCADL verifying available capacity in the adjacent CSAs.

4. If capacity is not available in the contiguous CSAs, the School District shall issue a SCADL indicating the development is not in compliance with the adopted LOS and offers the developer a 90-day timeframe in

which to negotiate with the City and the School District regarding mitigation options or alternatives.

Policy 11.1.2.5: New school capacity within a CSA which is in place or under actual construction within three (3) years after the issuance of final subdivision or site plan approval, or the functional equivalent, shall be counted as available capacity for the residential development under review.

Policy 11.1.2.6: The City, in conjunction with the School District, shall review applications for proportionate share mitigation projects to add school capacity necessary to accommodate the impacts of a proposed residential development. Mitigation options may include, but are not limited to:

A. Contribution of land or payment for land acquisition in conjunction with the provision of additional school capacity; or

B. Mitigation banking based on the construction of a public school facility in exchange for the right to sell capacity credits; or

C. Donation of buildings for use as a primary or alternative learning facility; or

D. Renovation of existing buildings for use as learning facilities; or

E. Construction or expansion of permanent student stations or core capacity; or

F. Construction of a public school facility in advance of the time set forth in the School District's Five-Year District Facilities Work Program.

Policy 11.1.2.7: The estimated cost to construct the mitigating improvement(s), consistent with the mitigation options listed in Policy 11.1.2.4, shall be calculated to reflect, and consider, the estimated future construction costs at the time of the anticipated construction.

A. Improvements contributed by the developer shall receive school impact fee credit.

B. The cost difference between the developer's mitigation costs and the impact fee credit, if greater, shall be the responsibility of the developer.

Policy 11.1.2.8: Consistent with Policy 11.1.2.4.C.4, the City and the School District shall provide a 90-day negotiation period to allow for the review and negotiation of proportionate share mitigation proposals offered by a developer.

A. Where mitigation is approved, the City and the School District shall enter into a binding and enforceable agreement with the developer, the improvement(s) will be included in the School District's annually adopted Five-Year District Facilities Work Program, and the improvement(s) will be reflected in the next update to the Capital Improvements Element.

B. Where mitigation is denied, the City must deny the application for residential based upon insufficient school capacity being available.

C. The City shall not issue any permit(s) for a residential development until receiving confirmation of available school capacity in the form of a SCADL from the School District.

Policy 11.1.2.9: The City shall notify the School District when an approved residential development has paid impact fees and when the development order for the residential development expires.

Policy 11.1.2.10: The City may allow a landowner to proceed with development of a specific parcel of land notwithstanding a failure of the development to satisfy school concurrency, if all the following factors are shown to exist:

A. The proposed development would be consistent with the future land use designation for the specific property and with pertinent portions of the City of Cocoa Comprehensive Plan.

B. The CIE and the Brevard School Board's Work Plan provide for school facilities adequate to serve the proposed development or the project includes a plan that demonstrates that the capital facilities needed as a result of the project can be reasonably provided.

C. The landowner is assessed a proportionate share of the cost of providing the school facilities necessary to serve the proposed development.

Objective 11.1.3: Beginning with an effective date of 2009 and no later than December 1st of each year thereafter, the City will include in its Capital Improvements Element (CIE), the School District's annually updated five-year schedule of capital improvements as adopted by the School Board, which identifies school facility capacity projects necessary to address existing deficiencies and meet future needs based upon achieving and maintaining the adopted level of service standard for schools.

Policy 11.1.3.1: The City of Cocoa hereby adopts by reference the School District's Five-Year District Facilities Work Program for the planning period 2018-2019 through 2022-2023, approved on October 23, 2018.

Policy 11.1.3.2: The City shall annually update the Capital Improvements Element to incorporate the School District's annually adopted Five-Year District

Facilities Work Program's "Summary of Capital Improvements Program" and "Summary of Estimated Revenue" Tables which shall identify school facility capacity projects which are necessary to address existing deficiencies and meet future needs and demonstrate the School District can maintain the adopted LOS standard for the five-year planning period, as supported by data and analysis.

Policy 11.1.3.3: The City shall, in conjunction with the School District, other local governments and through the Capital Outlay Committee, review school enrollment projections and provide an annual update of the process, including the Public School Facilities Element and maintain a public school facilities map series which are coordinated with the City's Future Land Use Map or Map Series, including the planned general location of schools and ancillary facilities for the five-year planning period and the long-range planning period. At a minimum, the Map Series shall include:

A. Concurrency Service Area Map;
B. Existing Public School Facilities Map - type and location of ancillary plants;
C. Five-Year Planning Period Map - generally planned public school facilities and ancillary plants; and
D. Long Range Planning Period Map – generally planned areas of future public school facility needs.

Objective 11.1.4: The City shall participate with the School District, through its membership on the Capital Outlay Committee (COC), to monitor the implementation and administration of school concurrency as well as to further coordinate planning and school concurrency issues.

GOAL 11.2: The City, working cooperatively with the School District, shall ensure new public schools are appropriately located and integrated into the community where they provide the greatest maximum benefit to the residents of the City and are valued as a vital community resource and amenity.

Objective 11.2.1: New public schools built within the City will be coordinated with the School District to ensure consistency and conformity with the City's adopted Comprehensive Plan and its implementing land development regulations except where exempted by statutory authority, such as local landscape ordinance requirements.

Policy 11.2.1.1: The School District shall avoid locating new public schools on the periphery of the City's boundaries or in areas that would encourage urban sprawl.

Policy 11.2.1.2: The City shall review construction and/or site plans in a timely manner and provide comments to the School District as to the consistency with the City's adopted comprehensive plan and implementing land development regulations.

Objective 11.2.2: New public schools built within the City will be coordinated with the School District to ensure that proposed school facilities are located proximate to existing and proposed residentially developing areas, within appropriate existing and future land uses; serve as community focal points; are co-located with other appropriate public facilities; will have needed supporting public facilities and services; and be compatible with surrounding land uses.

Policy 11.2.2.1: The City, in conjunction with the School District, shall jointly determine the need for, and timing of, on-site and off-site improvements necessary to support a new school.

Policy 11.2.2.2: The City shall enter into an agreement with the School Board identifying the timing, location, and the party or parties responsible for the planning, constructing, operating, and maintaining off-site improvements necessary to support a new school or school improvement to ensure that the necessary infrastructure is in place prior to or concurrent with construction.

Policy 11.2.2.3: The City shall encourage the location of schools near residential areas by:

A. Assisting the School District in the identification of funding and/or construction opportunities (including developer participation or City capital budget expenditures) for sidewalks, traffic signalization, access, water, sewer, drainage and other infrastructure improvements.

B. Reviewing and providing comments on all new school sites including the compatibility and integration of new schools with surrounding land uses.

C. Allowing schools within all residential land use categories.

Policy 11.2.2.4: The City, in conjunction with the School District, shall seek opportunities to co-locate schools with public facilities, such as parks, libraries, and community centers, as the need for these facilities is identified.

Policy 11.2.2.5: The City, in conjunction with the School District, shall identify issues relating to public school emergency preparedness, such as:

A. The determination of evacuation zones, evacuation routes, and shelter locations.

B. The design and use of public schools as emergency shelters.

C. The designation of sites other than public schools as long-term shelters, to allow schools to resume normal operations following emergency events.

CITY OF COCOA
COMPREHENSIVE PLAN

PUBLIC SCHOOLS FACILITIES ELEMENT

MAPS

October 2010

LIST OF MAPS

Map M-XI-1: Five-Year and Long Range Planning Period Maps
Map M-XI-2: Elementary School Location and Concurrency Area Map
Map M-XI-3: Middle School Location and Concurrency Area Map
Map M-XI-4: High School Location and Concurrency Area Map
Map M-XI-5: Existing School Facilities and Ancillary Plants Map

Five-Year Planning Period Map:

The Brevard County School Board Five-Year District Facilities Work Plan adopted on September 28, 2010 indicates that no new public schools are expected in the five year planning horizon.

Only two capacity projects are anticipated by the School Board, both of which will add classrooms to elementary schools outside the City of Cocoa service area.

Long Range Planning Period Map:

The Brevard County School Board Five-Year District Facilities Work Plan adopted on September 28, 2010 indicates that no new public schools are expected in the ten year planning horizon.

CITY OF COCOA ELEMENTARY SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

Elementary School

- Cambridge
- Gardendale
- Lewis Carroll
- Golfview
- Endeavour
- Mila
- Fairglen
- Saturn

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

CITY OF COCOA

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

CITY OF COCOA MIDDLE SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

Middle School

- Clearlake
- Jefferson
- Kennedy
- McNair

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

CITY OF cocoa

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

CITY OF COCOA HIGH SCHOOL LOCATION AND CONCURRENCY AREA MAP

School Year 2010-2011

High School

- Cocoa
- Merritt Island
- Rockledge

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

CITY OF COCOA EXISTING SCHOOL FACILITIES AND ANCILLARY PLANTS MAP

School Year 2010-2011

School Types

- Public Schools
- Charter Schools
- Private Schools
- Other Schools
- Support Facilities

Map Symbols

- Railroad
- City Boundary
- Water Bodies

0 0.25 0.5 1 Miles

N

Cocoa Seventh-day Adventist School
Bethel Christian Academy
COCOA
COCOA STADIUM
CAMBRIDGE
CLEARLAKE
Christian Heritage Academy
Brevard Christian Learning
Rfm Christian Academy Cocoa 2
Crosswinds - Rainwater for Girls
SATURN
Educators Inc. Private School
Christian Home School #2
ENDEAVOUR
Creative Learning
Atlantic Inclusive
Einstein Montessori Academy
TRANSPORTATION 520 COMPOUND
WAREHOUSE 520 COMPOUND
Rfm Christian School
St Marks Aca
Friendship Christian Academy
McNAIR
Hatcher Academy
Sharon School of Excellence III
Divine Mercy C
Mud Lake
ClearLake
Indian River
Poinsett Lake
JAMES RD
GRISSOM PKWY
FRIDAY RD
COX RD
INDUSTRY RD S
CLEARLAKE RD
MICHIGAN AV
ROSETINE ST
DIXON BLVD
RANGE RD N
FISKE BLVD N
LAKE DR
KING ST W
KING ST
POINSETT
LAKE POINSETT RD
528 HWY
524 HWY
I-95 HWY
528
524
501
520
519
1
95

Source: Brevard County Public Schools

City of Cocoa GIS - 2010

XII - CONSERVATION ELEMENT

Serving the Community

GOAL 12.1: Conserve, protect and appropriately manage the natural resources and environmentally sensitive areas of the City of Cocoa to ensure the highest environmental quality possible.

Objective 12.1.1: Environmentally Sensitive Areas. At a minimum, Environmentally Sensitive Areas shall contain one or more of the following natural resources:

A. Rare, threatened or endangered wildlife and/or vegetation, e.g., wildlife (scrub jay, osprey, manatee); vegetation (American chaffseed). A complete list is defined by the U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission and the East Central Florida Regional Planning Council;

B. Rare and unique upland habitat or Florida Natural Areas Inventory (FNAI) "imperiled" or "critically imperiled" communities, e.g., sand pine scrub;

C. Wetlands or deepwater habitats;

D. Special geologic formations;

E. Artifacts of archaeological or historic significance;

F. Within floodways and areas subject to flooding.

Policy 12.1.1.1: The City shall coordinate with appropriate governmental entities to protect environmentally sensitive lands which extend into adjacent municipalities. This coordination shall include the Florida Natural Areas Inventory, East Central Florida Regional Planning Council (ECFRPC), the Florida Fish and Wildlife Conservation Commission, St. John's River Water Management District (SJRWMD) and based on the information generated from the data.

Objective 12.1.2: Air Quality. Air quality in the City of Cocoa shall meet or exceed the minimum criteria set by the Florida Department of Environmental Protection (FDEP).

Policy 12.1.2.1: Roadway segments and intersections under the city's jurisdiction which are predicted to approach or exceed FDEP allowable maximum concentrations for air pollutants shall be given priority in the planning of transportation improvements.

Policy 12.1.2.2: The City shall coordinate with the County, adjacent municipalities and the Florida Department of Transportation in the monitoring of transportation related air quality impacts, and the planning of improvements needed on regionally significant roadways to rectify observed or predicted air quality problems on those roads.

Policy 12.1.2.3: New development, whether public or private, shall be designed to accommodate and encourage alternative modes of transportation to

the maximum extent practical. Appropriate measures may include, but are not limited to construction of bicycle facilities along new roadways; construction of pedestrian sidewalks along roads and within developments; provision of passenger shelters for users of mass transit.

Policy 12.1.2.4: The City shall encourage the establishment and use of mass transit transportation alternatives wherever such alternatives cannot be shown to be infeasible or impractical.

Policy 12.1.2.5: In order to reduce peak traffic loads on roadways that contribute to air quality degradation, the City shall encourage government and private sector businesses to adopt alternative work schedules where they are practical.

Policy 12.1.2.6: The City shall ensure, through the development approval and monitoring process, that new facilities which are subject to permitting as major air pollution sources by the FDEP are designed to use and maintain the best available emission control technology in order to reduce adverse impacts from such facilities on the environment.

Policy 12.1.2.7: The City shall promote planned unit development and mixed-use development to reduce the potential for mobile source emissions.

Objective 12.1.3: Groundwater. The City shall continue to reduce per capita consumption of fresh groundwater by its residents through conservation and reuse of existing water supplies, and through the establishment and use of non-potable supplies.

Policy 12.1.3.1: The City shall regulate the design, installation and operation of air/water heat pumps in a manner consistent with County policy, in order to reduce the wasteful use of groundwater by such systems.

Policy 12.1.3.2: The City shall require the use of reclaimed wastewater for irrigation or other non-potable uses wherever such water is reasonably available to water users.

Policy 12.1.3.3: In order to reduce the amount of water used in the irrigation of landscaping, the City shall encourage the use of native or drought resistant plants in the landscaping of new development or redevelopment.

Policy 12.1.3.4: The City shall continue to encourage conservation of water by supporting the retrofit of low-volume plumbing fixtures in existing development, and by requiring the use of such fixtures in new development and re-development.

Policy 12.1.3.5: New development shall not be approved unless a demonstrably secure source of potable and/or non-potable water is available to meet the projected water use demands of the development.

Policy 12.1.3.6: The City shall assist the St. Johns River Water Management District (SJRWMD) in the enforcement of the provisions of emergency water shortage plans at those times when an official emergency water shortage declaration is made by the SJRWMD Governing Board.

Policy 12.1.3.7: The City shall encourage, and to the extent possible, require use of *Florida friendly yard or landscape* (as provided for in Section 373.185, F.S.) that incorporates the Best Management Practices and philosophies described in "A Guide to Florida-Friendly Landscaping", Third Edition, 2006, as may subsequently be amended.

Policy 12.1.3.8: The City Code will require all new development and substantial redevelopment to connect to the reclaimed water system, if available. If not available, but availability is planned within five years, require installation of dry lines for future connection to the reclaim system.

Policy 12.1.3.9: The City shall disseminate water conservation information to the public consistent with the adopted City of Cocoa Water Supply Facilities Work Plan.

Policy 12.1.3.10: The City shall implement water conservation practices consistent with the adopted City of Cocoa Water Supply Facilities Work Plan.

Policy 12.1.3.11: The City shall continue to coordinate with water supply recipients concerning the sharing of information to meet the on-going water supply needs.

Objective 12.1.4: Water Quality Protection. Surface and groundwater quality in the City of Cocoa shall meet or exceed the minimum criteria set by the Florida Department of Environmental Protection.

Policy 12.1.4.1: The City shall establish site design standards and regulations for the control of stormwater runoff to ensure the adequate treatment of stormwater from all new development or re-development prior to its discharge to surface waters, consistent with the policies contained in the Stormwater Management Element and the Surface Water Management Plan.

Policy 12.1.4.2: The City shall identify means for reducing the volume of untreated stormwater discharged to surface waters, as part of the Surface Water Management Plan, with emphasis also being placed on the treatment of stormwater being discharged from lands and storm sewer systems in the City. The Surface Water Management Plan will identify priorities among drainage areas for providing treatment for stormwater.

Policy 12.1.4.3: The City shall ensure that land uses which require the routine application of pesticides or herbicides (e.g., agriculture, golf courses)

maintain a groundwater monitoring program designed to detect and eliminate contamination of the surficial aquifer by those substances. Upon detection of contamination, the City shall require the contaminator to discontinue the contamination and to take corrective action where feasible.

Policy 12.1.4.4: In order to protect the groundwater from contamination by hazardous wastes or materials, the City shall require that industrial parks which include tenants who use hazardous materials or generate hazardous wastes: (a) prepare hazardous materials spill containment and clean-up plans; (b) design drainage and sewer facilities to prevent contamination of soils, groundwater or surface waters from hazardous materials spills; and (c) provide interim storage facilities for hazardous materials generated on-site.

Policy 12.1.4.5: In order to reduce the potential for salt-water intrusion, the City shall require the use of native or drought-resistant plants, as appropriate, in the landscaping of new development or re-development.

Policy 12.1.4.6: The City shall monitor and restrict, if necessary, activities and land uses known to adversely affect the quality of identified water resources.

Objective 12.1.5: Endangered & Threatened Species. The distribution and abundance of endangered and threatened species within the City will be identified, and the habitat of viable populations of any such species shall be protected and managed, or the impacts to such habitat shall be adequately mitigated, so as to ensure their continued existence.

Policy 12.1.5.1: The City shall sponsor a biological survey of natural habitats within municipal limits to identify areas of suitable habitat for listed species, and to estimate population size and viability for those species which do occur.

Policy 12.1.5.2: Areas known to support a viable population of a listed species, or which provide habitat of a size and character that is suitable for long term protection of a listed species, shall be given priority in the acquisition of public parks or preserves. Any such park shall be managed in a manner consistent with preservation of the listed species and its habitat.

Policy 12.1.5.3: The City shall seek the cooperation of government and private conservation agencies in the preservation of lands which harbor a viable population of one or more listed species and their habitat.

Policy 12.1.5.4: Development approval in areas which have been identified as providing habitat of a size and character that is suitable for long term protection of a viable population of one or more listed species shall

be contingent upon the formulation of a management plan which would to the greatest extent possible eliminate adverse effects to any listed species which occur or are discovered on the development site.

Policy 12.1.5.5: The City shall consult with the FGFWFC and/or the FDEP in the review of listed species management plans prepared by private developers, and shall implement the recommendations of those agencies in the issuance of development orders.

Policy 12.1.5.6: The City shall discourage development within a habitat area dedicated to the public through a conservation easement.

Policy 12.1.5.7: With the exception of areas designated as handicap parking, any area identified for parking shall be stabilized using some type of pervious stabilizer, such as grass pavers, and the area shall be finished to look natural.

Policy 12.1.5.8: The City shall protect listed animal species and/or native habitat listed species in accordance with the Florida Fish and Wildlife Conservation Commission.

Objective 12.1.6: Hydrology, Vegetation, and Wildlife. Protect and conserve soils and native vegetation communities, and maintain the natural functions of the City's ecological zones in a manner consistent with the Goals, Objectives and Policies of the Future Land Use Element.

Policy 12.1.6.1: The City shall sponsor a biological survey of native vegetative communities within municipal limits to inventory the listed wildlife species that occur as permanent residents.

Policy 12.1.6.2: The City shall preserve natural communities in the siting, design, development and maintenance of public parks. Wherever possible, existing natural plant communities should be maintained undisturbed as a part of new parks developments except for relatively minor alterations, such as nature trails or boardwalks, which do not alter the wildlife habitat values of the system.

Policy 12.1.6.3: Areas of natural habitat within the 100-year floodplain shall be given priority consideration in the identification of lands that address passive recreational demand and open space objectives, except in those instances where a proposed development is determined by the City to be consistent with the Goals, Objectives and Policies of the Future Land Use Element.

Policy 12.1.6.4: In order to reduce the adverse consequences of floodplain development and simultaneously encourage the conservation of natural habitat, the City's Flood Damage Prevention ordinance shall be amended to discourage construction in the floodplain, unless the

proposed construction is expressly authorized by this Comprehensive Plan. Development plans shall preserve the natural functions of floodplains when practical. Compensatory storage for fill placed within the floodplain shall be allowed only when the applicant demonstrated the absence of adverse consequences of compensatory storage and demonstrates compliance with other applicable provisions of this Comprehensive Plan.

Policy 12.1.6.5: The City shall encourage the protection of critical natural vegetative communities and wildlife habitat by public purchase programs and by private property owners through donations, transfers of development rights, purchase of development rights, conservation easements or other appropriate mechanisms.

Policy 12.1.6.6: The City shall protect species which are listed as Endangered, Threatened or a Species of Special Concern by the Florida Fish and Wildlife Conservation Commission, the U.S. Fish and Wildlife Service or the Florida Committee on Rare and Endangered Plants and Animals (FCREPA) and shall not approve any development which proposes to destroy natural vegetative communities known to provide habitat to listed species except where the developer has submitted a management plan which minimizes adverse affects on the species to the greatest extent possible. The management plan shall be approved by St. John's River Water Management District.

Policy 12.1.6.7: The City shall not approve any development except as provided in the Goals, Objectives and Policies of the Future Land Use Element that would adversely alter the ecological functions of freshwater wetlands or deepwater habitat. Ecological functions include: (a) provision of wildlife and fisheries habitat; (b) maintenance of in-stream flows and lake levels during periods of high and/or low rainfall; (c) erosion control; (d) water quality enhancement; and (e) natural vegetative communities.

Policy 12.1.6.8: The City shall require that the following non-native plant species be removed from the limits of construction and required buffer areas from all sites which are developed or re-developed: Causarina cunninghamiana (beefwood), Causarina qlauca (scaly-bark beefwood), Causarina equisetifolia (Australian pine), Dioscorea blulbifera (air potato), Malateuca quinquenervia (punk tree), Rincinus communis (castor bean), Sansevieria hyacinthoides (African bowstring), Schinus terebinthifolius (Brazilian pepper)~~,~~ Broussonetia papyrifera (male mulberry), Enterolobium contortisiliquum (ear tree), Eucalyptus spp. (eucalyptus tree), Melaleuca quinquenervia (punk tree), Melia azedarach (chinaberry), Prunus caroliniana (cherry laurel), Auracaria wrightii (monkey puzzle), Grevillea robusta (silk oak tree), Albizia spp. (mimosa, woman's tongue), Prunus serotina (wild cherry), Sapium sebiferum (Chinese tallow), Leucaena leucocephala (lead

tree), Dalbergia sissoo (rosewood), Acacia auriculiformis (earleaf acacia), Eugenia uniflora (Surinam cherry), Cupaniopsis anacardiodes (carrotwood), and Koelreuteria paniculata (golden rain tree). No listed exotic species shall be used for planting purposes adjacent to protected lands.

Policy 12.1.6.9: The City shall not approve any development that is inconsistent with the requirements of applicable natural resource Goals, Objectives and Policies contained elsewhere in this Plan.

Policy 12.1.6.10: The City shall promote the use of native vegetation as specified in its ordinance for all development.

Policy 12.1.6.11: The City shall protect rare, unique, or significant-natural habitats within the City.

Policy 12.1.6.12: The City shall protect the habitat of gopher tortoises, gopher frogs, eastern indigo snakes, eagles, ospreys, alligators, pileated woodpeckers, manatees and river otters.

Policy 12.1.6.13: The City shall consider the abundance, status, and distribution of endangered ecosystems and other environmentally sensitive lands when reviewing land use proposals and acquisitions such as:

A. Management plans which protect endangered wildlife which utilize critical habitats;

B. Mitigation plans for critical habitat which is unavoidably altered; and,

C. Restrictions of the use of critical habitats to those which are found to be compatible with the requirements of wildlife species which are threatened, endangered, or of special concern.

Policy 12.1.6.14: The City shall participate with the St. John's River Water Management District, the county, and other appropriate agencies to re-establish the historic hydrologic connections at the Cocoa Conservation Area and borrow pits within the county.

Policy 12.1.6.15: Wetlands and wetland functions shall be protected and conserved by restricting direct and indirect development impacts.

A. *General.*

1. The City shall avoid, or when unavoidable, minimize development impacts on wetlands; direct incompatible land uses away from wetlands; require wetland buffers; allow wetland losses only where all reasonable measures have been applied to avoid such losses; and allow for effective mitigation.

2. Land use planning and site design shall support development patterns that minimize the impact of development on wetlands.
3. The City shall maintain a Generalized Wetlands Map as part of the Comprehensive Plan. This map shall be based on the U.S. Fish and Wildlife Service, National Wetlands Inventory.

B. *Existing development.* Existing uses in wetlands may continue, but shall not expand unless they are allowed, permitted, or exempted by the SJRWMD and this policy.

C. *New development and redevelopment with no significant impact.* New development and redevelopment having no significant impact on the net wetland functions shall be permitted. They include only the following:

1. *Water dependent uses.* An activity which can only be conducted on, in, over, or adjacent to water areas because the activity requires direct access to the water body or sovereign submerged lands for transportation, recreation, energy production or transmission, or source of water, and where the use of the water or sovereign submerged lands is an integral part of the activity.
2. *Passive recreation.* Walking nature trails or elevated wooden boardwalks designed to minimize wetland system disturbance and to provide limited access for passive recreation or access to other portions of the site or adjacent waters, which are otherwise inaccessible.
3. *Insect control structures.*
4. *Utilities installation.* Temporary impacts associated with the installation of cables, conduits, and pipelines that transmit electricity, communication signals, potable water, raw water, reclaimed water, domestic wastewater, propane gas, natural gas, or similar infrastructure.
5. *Rights-of-way and easements.* Minor activities by FDOT, the City, and Brevard County within existing rights-of-way or easements.
6. *F.A.C. exemptions.* Exemptions listed in the rules of the SJRWMD.
7. *Environmental restoration, enhancement, and research uses.*
8. *Dredging and filling.* Uses that require the dredging and filling of less than one-hundred (100) square feet of wetlands.

D. *New development and redevelopment with impact.* New development and redevelopment having impact on the net wetland functions shall be permitted only if the activity conforms to City's mitigation requirements listed in this policy and meets at least one of the following criteria:

1. *Road crossings.* Road crossings which impact wetlands shall be allowed if shown to be in the public interest (e.g. the construction of local, collector or arterial road linkages). When allowed, road crossings shall occur at the narrowest practical point constrained by safe roadway design and shall provide for hydrologic connectivity and aquatic species movement.

2. *Access to uplands across wetlands.* Access to uplands property may cross wetland areas, provided that:

   (a) No other access to such property is practical.

   (b) Such limited access will not adversely affect any of the primary functions of the wetlands to be preserved on-site.

   (c) The location of and construction methods employed for such access would result in minimal environmental impact of the wetlands to be preserved on-site.

3. *Low quality wetlands.* If the SJRWMD determines a wetland (or portion thereof) is low quality and has minimal restoration potential, and beneficial restoration or enhancement mitigation of another wetland would be achieved as a result of mitigation permitting development in this low quality wetland (or portion thereof), then the future land use category shall apply.

4. *Isolated wetlands for stormwater management systems.* As determined by the City, development may incorporate isolated wetlands into storm water management systems, provided the storm water runoff is pre-treated before entering the wetland, so that the wetland is used for nutrient and volume attenuation. The City shall encourage designs, which maintain existing natural wetlands community, except where permitting agencies impose conditions favoring a different plant community as more desirable for the purpose of providing habitat, improving water quality, or enhancing other wetland values.

5. *Isolated wetlands less than 5 acres with no significant and sustainable wildlife values.* The City shall request the

comment and opinion of the SJRWMD or a professional biologist as to whether the wetland of less than 5 acres has significant wildlife values, based on the following factors:

(a) The extent the isolated wetland acts in concert with the broader regional landscape to provide both food support and habitat for wildlife;

(b) The potential cumulative impacts to isolated wetland wildlife functions at a regional level;

(c) Individual wetland features that are important to wildlife;

(d) Whether the isolated wetland is used by endangered or threatened species or species of special concern; and

(e) The degree to which adjacent existing or planned development will affect the use of the wetland by wildlife.

If the biological evaluation determines the isolated wetland of less than 5 acres has significant and sustainable wildlife values, the wetland shall be afforded the same level of protection as all other similar wetlands. However, if the evaluation determines no significant and sustainable wildlife values, then the future land use category of the adjacent uplands of the site shall apply. This does not preclude the application of any regulatory requirements of federal, state, or regional agencies.

6. *Non-residential uses.* Non-residential uses shall be permitted within wetlands, subject to the following minimum requirements:

(a) Clearing or removal of native vegetation shall not exceed ten (10) percent of the wetlands on the site. Exotic vegetation may be removed without regard to this limitation provided, however if the area cleared of exotic vegetation exceeds the applicable ten (10) percent maximum, it is replanted with native wetland vegetation.

(b) A restrictive or conservation easement to preserve open space shall be required.

(c) Allowable non-residential land uses within the Conservation future land use category shall be

limited to those uses allowed in the future land use category of the adjacent uplands of the site.

(d) If areas annexed into the City from Brevard County have been designated with a Brevard County commercial or industrial future land use category prior to February 23, 1996, then those properties shall be subject to the wetlands protection policies of the Brevard County Comprehensive Plan Conservation Element as of the effective date of the annexation, and only if all other requirements of Policy 12.1.6.15.D.6 cannot be satisfied.

E. *Upland buffers.*

1. *General.* Upland buffers are considered an integral component of a functioning wetland and shall be afforded the same types and levels of protection as the wetland itself. Upland buffers shall not be developed, cleared, or landscaped that would decrease their effectiveness in supporting wetland functions, and shall not include turfed, landscaped, or impervious surfaces.

2. *Minimum width.* Where wetlands exist, upland buffers shall be provided at a minimum width of fifteen (15) feet and an average width of twenty-five (25) feet beyond the perimeter of the wetland.

3. *Encroachment.* Encroachment into upland buffers for the purpose of hydrologic connection of drainage systems and creation of mitigation areas shall be permitted and shall not require additional buffering compensation.

4. *Additional requirement.* The City may require the extension of upland buffers beyond twenty-five (25) feet if necessary to connect isolated wetlands with other protected wetlands existing within one-hundred (100) feet depending on the existence of listed species and habitat valuation.

5. *Average width exception.* Uplands buffer widths may be adjusted downward below the required minimum average on a case-by-case basis if the developable portion of existing lots of record as of December 1, 2003 does not have sufficient size or dimensions to allow for a reasonable use of the property based on the designated future land use category. In this

instance, the remaining upland buffers shall be enhanced with native species to minimize development impacts and enhance the functioning value of the wetlands buffer area.

6. *Passive recreation.* The City may approve, as appropriate, minimal use in clearing for nature trails and other passive recreational uses compatible with the purpose of the buffer zone.

F. Implementation and mitigation.

1. *Future land use category assignment.* The Conservation Future Land Use category shall be assigned to all wetland areas subject to a Future Land Use Map amendment adopted after December 1, 2003. For the purposes of initially determining appropriate wetland areas the City shall utilize the National Wetlands Inventory.

2. *Delineation.* In order to properly identify and delineate wetlands prior to development, the City shall rely on the delineation of wetlands and surface waters certified by the SJRWMD. The delineation shall be reproduced on development plans which are submitted for review by the City. For other review purposes which do not specifically permit development (e.g. plan amendments, rezonings, etc.), the extent of on-site wetlands shall be estimated and no delineation is required unless otherwise required by the City.

3. *Site and development review.* Wetlands existing on a proposed development parcel shall be shown as a part of the development plans submitted to the City for review. Additionally, the development plans shall show the delineation of the upland buffer for portion of a development parcel which does not require a SJRWMD permit. For projects requiring a SJRWMD permit, the City shall require as a condition of development approval that wetland buffers shall be protected and encumbered by a perpetual conservation easement.

4. *Onsite transfer of density.* Development densities/intensities may be transferred out of the undeveloped wetland areas on a one-for-one (1:1) basis to upland portions of a development site. Offsite transfer of density is prohibited.

5. *Creation of new lots.* New lots shall not be created and/or platted that do not contain sufficient buildable upland areas in order to provide a reasonable use for the lot under the requirements of the Comprehensive Plan.

6. *Mitigation.*

   (a) *General.* The purpose of mitigation is to offset environmental impacts. Mitigation activities approved by a federal, state, or regional agency are supported by the City. However, the issuance of a permit by any other agency, with or without mitigation, shall conform to the requirements the Comprehensive Plan.

   (b) *Location.* Mitigation shall be permitted by both City Council and the SJRWMD within the appropriate SJRWMD watershed basin, as determined by SJRWMD and in the following manner:

      (1) First priority - On-site.

      (2) Second priority - Within the City limits.

      (3) Third priority - Within five (5) miles of the City limits.

      (4) Fourth priority - Within ten (10) miles of the City limits.

      (5) Fifth priority - Within Brevard County.

      (6) Sixth priority – Outside of Brevard County.

Policy 12.1.6.16: The City shall protect existing natural reservations identified in the Recreation and Open Space Element.

Objective 12.1.7: Fisheries and Estuarine Habitat. The city shall cooperate with and assist St. John's River Water Management District (SJRWMD) and the Department of Environmental Protection (DEP) to continue to protect or restore the aquatic vegetation including, but not limited to, aquatic weed control, restoration or creation of aquatic grass beds or shoreline restoration. In addition, the City will protect the diversity of submerged and emergent aquatic vegetation and fish species as well as the quality of fresh water (estuarine), found in the City's lakes and tributaries associated with St. John's River, and in the Indian River within the zone between the Cocoa shoreline and the Intracoastal Waterway. The protection shall be as great, or greater, than they were in 1988, as determined by SJRWMD and the DEP, using DEP established standards.

Policy 12.1.7.1: The City shall continue to implement alternative means of wastewater effluent discharge (such as effluent reuse) which will reduce the volume of wastewater discharged to the Indian River Lagoon.

Policy 12.1.7.2: The City shall establish site design standards and regulations for the control of stormwater runoff to ensure the reduction of, and the adequate treatment of stormwater runoff from all new development or re-development prior to its discharge to surface waters.

Policy 12.1.7.3: The City through the Surface Water Management Plan shall reduce the volume of untreated stormwater discharged to surface waters, and shall develop a program to take corrective action.

Policy 12.1.7.4: The City shall not permit shoreline development activities that would destroy or degrade the function of estuarine shoreline or deepwater habitat. The applicant shall demonstrate how any potential adverse impact shall be reduced or avoided.

Policy 12.1.7.5: Areas within the Indian River Lagoon and the tributaries to St. John's River basin, lands acquired by City for passive recreation with littoral zones shall be designated as conservation.

Policy 12.1.7.6: The City supports the objectives of the Indian River Lagoon Comprehensive Conservation and Management Plan 2008 update.

Objective 12.1.8: Hazardous Waste and Materials. The City shall coordinate with Brevard County to establish procedures and regulations which support State and County hazardous material management objectives, and which will reduce the number of sites at which improper use, storage or disposal of hazardous materials occurs.

Policy 12.1.8.1: The City shall coordinate with the FDEP and Brevard County in the establishment of Amnesty Days for the collection of hazardous domestic wastes.

Policy 12.1.8.2: The City shall ensure that businesses which store, generate, or transport hazardous wastes or materials do so in accordance with Federal and State guidelines and regulations.

Policy 12.1.8.3: Industrial parks which include tenants who use hazardous materials or generate hazardous wastes shall be required to: (a) prepare hazardous materials spill containment and clean-up plans; (b) design drainage and sewer facilities to prevent the contamination of soils, groundwater or surface waters from hazardous materials spills; and (c) provide interim storage facilities for hazardous wastes generated on-site.

Policy 12.1.8.4: The City shall provide the greatest support practical to Federal, State and County hazardous waste and materials management programs.

Objective 12.1.9: Floodplain Management. The City shall protect the flood storage and conveyance functions of the 100-year floodplain.

Policy 12.1.9.1: In order to reduce the adverse consequences of floodplain development and simultaneously encourage the conservation of natural habitat, the City's Flood Damage Prevention ordinance shall be updated as needed to maintain compliance with the National Flood Insurance Program and to discourage construction in the floodplain, unless the proposed construction is expressly authorized by this Comprehensive Plan. Developmental plans shall preserve the natural functions of floodplains when practical. The provision of compensatory storage for fill placed within the floodplain shall be allowed only when the applicant demonstrates the absence of adverse consequences of compensatory storage and demonstrates compliance with other applicable provisions of this Comprehensive Plan.

Policy 12.1.9.2: Developers shall be encouraged to incorporate those portions of sites that are within the 100-year floodplain as open space preservation.

Policy 12.1.9.3: The City shall promote wetlands preservation and non-structural floodplain management by encouraging the use of isolated wetlands as detention areas, where such use is consistent with good engineering practice and does not significantly degrade the ecological value of wetlands. Pre-treatment of stormwater run off by diversion of the "first flush" shall be required prior to discharge to wetland detention areas.

Policy 12.1.9.4: The City shall encourage public and private agencies, including but not limited to the Florida Department of Environmental Protection, the Florida Game and Freshwater Fish Commission, the St. Johns River Water Management District, The Nature Conservancy, The Trust for Public Lands and Brevard County, in acquiring wetlands and floodplains.

Objective 12.1.10: Soil Conservation and Mineral Resources. Land development and mineral extraction activities shall be regulated so as to conserve mineral resources and limit the adverse effects of soil erosion and sediment transport on air and water quality.

Policy 12.1.10.1: The City shall continue to regulate resource extraction activities so as to both protect and conserve mineral resources and protect the environment.

Policy 12.1.10.2: The City shall require that all land clearing for agriculture, excavation or development activities be conducted in compliance with soil erosion Best Management Practices published by the SCS, FDOT, FDEP, FDACS or IFAS. Land clearing for resource extraction or development shall be limited to the minimum amount necessary.

Policy 12.1.10.3: Land developers and excavators shall prepare and implement reclamation plans that establish a biologically productive landscape comprised of native plants. The City shall require land developers and excavators to demonstrate financial responsibility for future reclamation activities prior to approval of development.

Policy 12.1.10.4: The City shall employ Best Management Practices for control of erosion and sedimentation for road and other City projects.

Objective 12.1.11: Energy Reduction and Conservation. The City will take steps to reduce the consumption of energy through promoting more efficient land use development patterns and uses which provide alternatives to commuting to and from employment.

Policy 12.1.11.1: The City will promote the use of infill development along its existing commercial corridors to increase the diversity of uses located in close proximity to one another to reduce the need for multiple trips or to travel cross town.

Policy 12.1.11.2: Where feasible and compatible with adjacent land uses, the City will support requests for higher densities and intensities.

Policy 12.1.11.3: The City will promote mixed-use development patterns in new projects to provide greater diversity of use in close proximity of one another to promote reduced dependence on automobiles, and increased use of pedestrian and bicycle travel.

Policy 12.1.11.4: To the greatest extent possible, the City should work with providers of multimodal transportation systems, such as SCAT, to encourage them to expand, or establish service in and around the City to reduce resident's dependence on use of automobiles.

Policy 12.1.11.5: The City will develop a bicycle/pedestrian master plan to provide a blueprint for the development of a City-wide trail plan to provide interconnectivity of residential and commercial areas to promote bicycle and pedestrian travel as an alternative to the automobile.

Policy 12.1.11.6: The City will continue to promote itself as a desirable place for new clean business and industry to move to with the intention of increasing employment opportunities for Cocoa residents to reduce or eliminate the need to commute to and from work.

Policy 12.1.11.7: Continue working to improve citizens awareness of the need to conserve energy through continued participation of Florida Power and Lights Household Energy Makeover Initiative (HEMI) to educate residents, especially those with older less energy efficient homes, of the savings in not only the natural resources used to create energy, but also the expenses associated with inefficient heat and air conditioning units and appliances.

Policy 12.1.11.8: The City supports Federal and State incentives to promote use of energy efficient technology, including but not limited to solar heating, photovoltaic cells, more efficient insulation systems, and other clean energy sources.

Policy 12.1.11.9: The City shall review, and where feasible, adopt conservation oriented building methods and materials, such as those promoted through the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system.

Policy 12.1.11.10: To the greatest extent possible, any new structures constructed by the City shall meet, at a minimum, the Silver rating of the LEED rating system.

CITY OF COCOA
COMPREHENSIVE PLAN

CONSERVATION ELEMENT

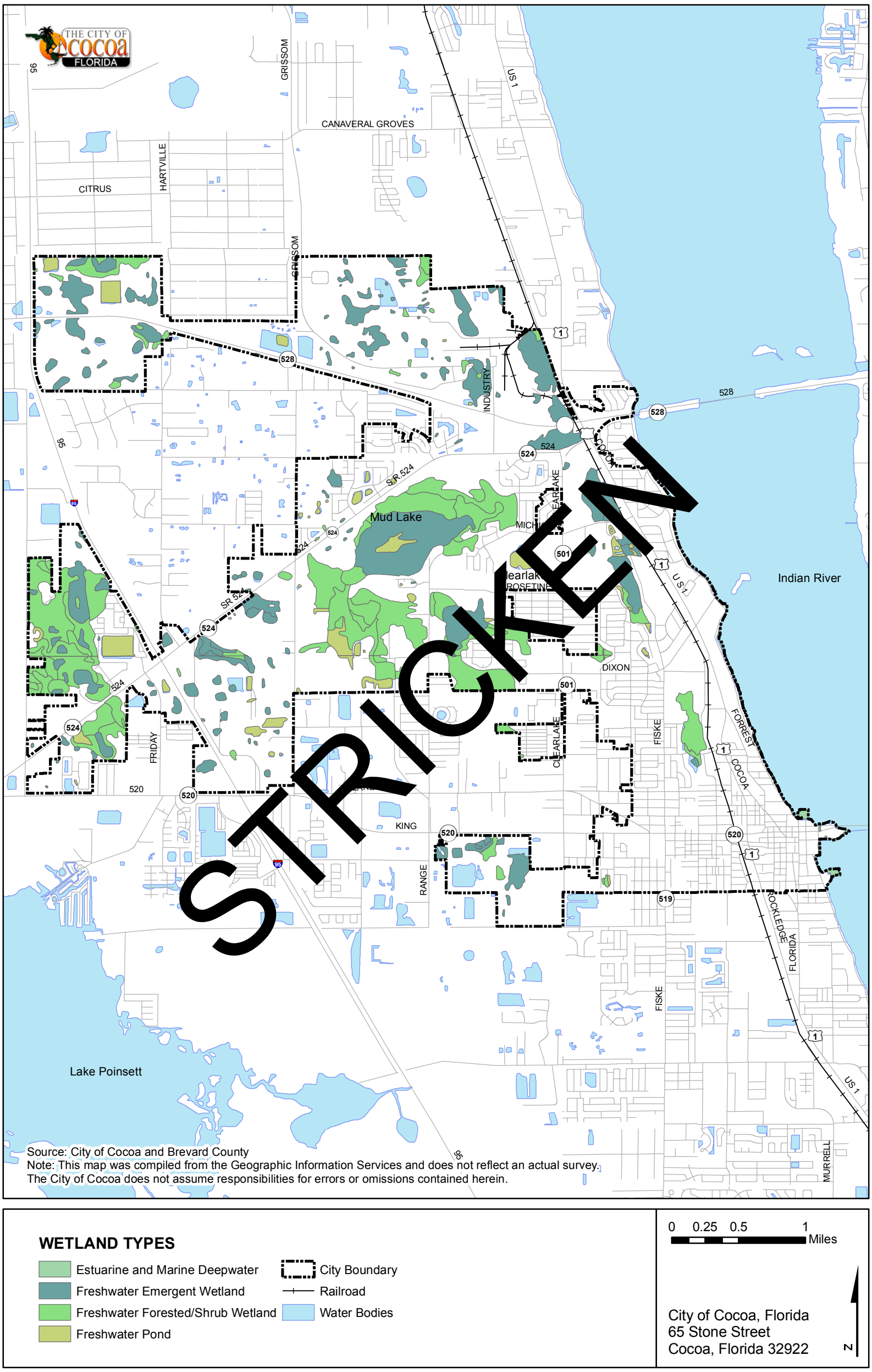
MAPS

February 26, 2020

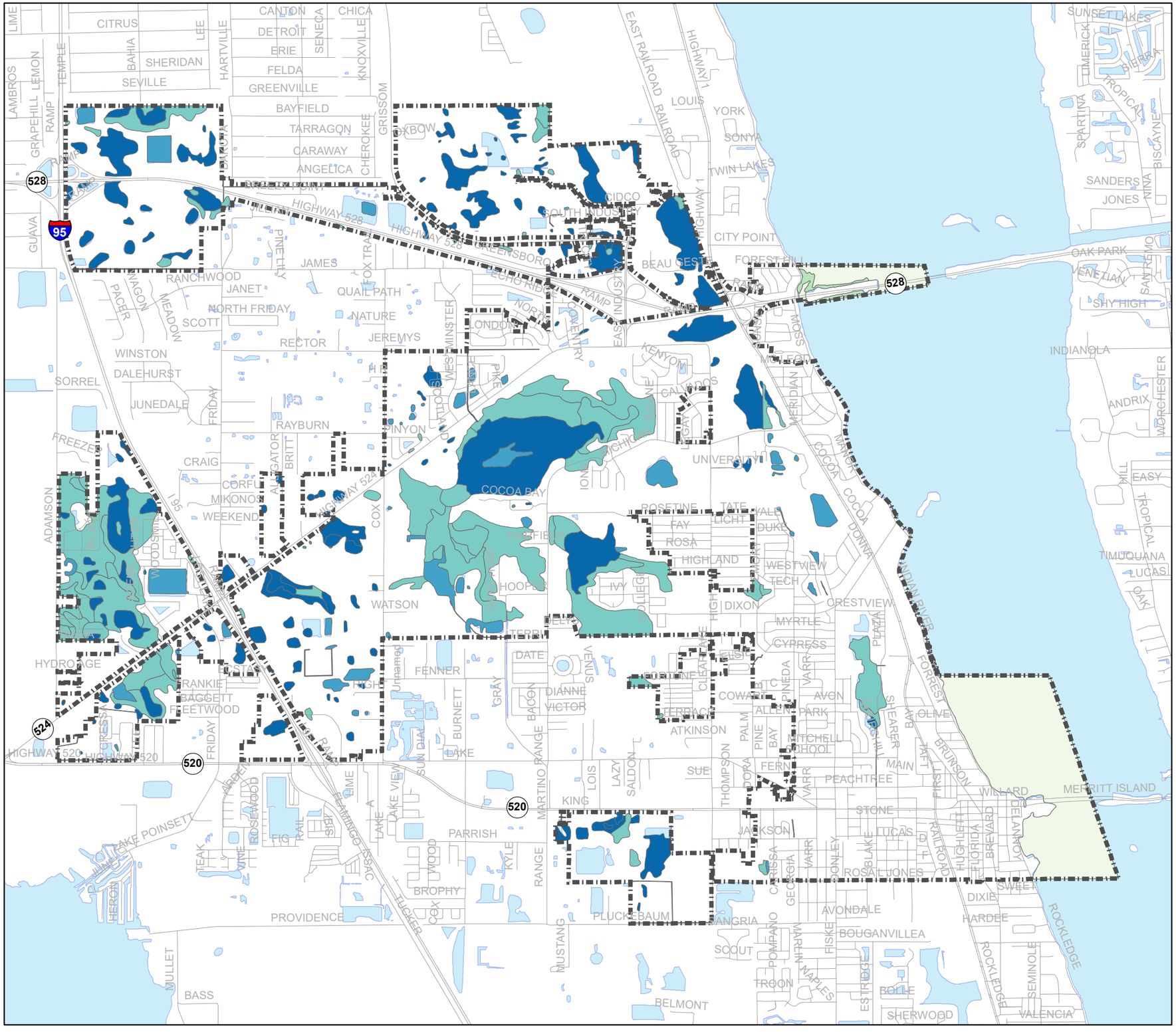
LIST OF MAPS

Map M-XII-1: Wetlands -- NEW MAP
Map M-XII-2: Flood Zones
Map M-XII-3: General Soils

Map M-XII-1: Wetlands



Wetland Map



Wetlands

WETLAND TYPE

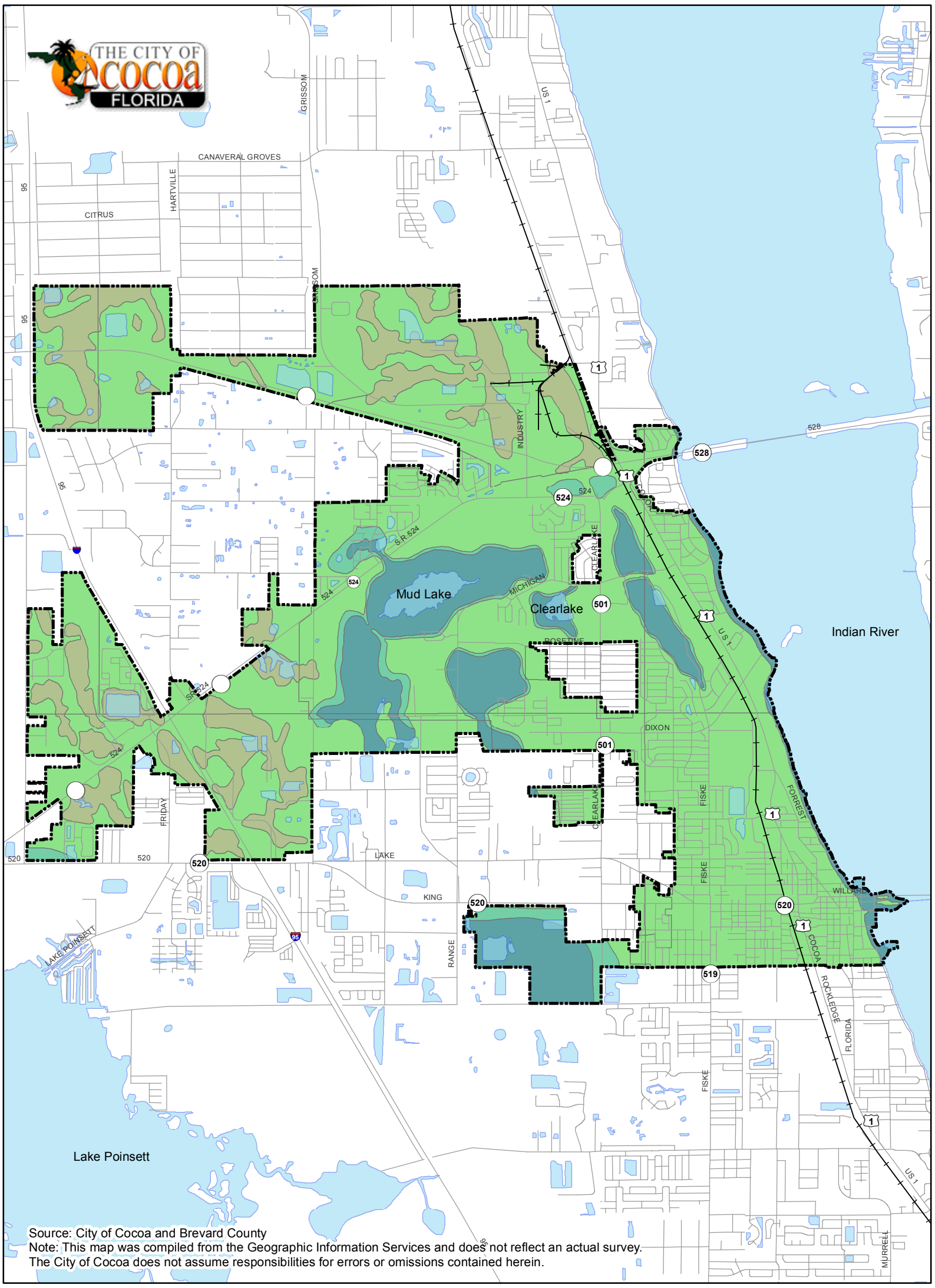
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine
- Waterbodies
- Cocoa City Limits

0 1 2
Miles

This map was compiled from Geographic Information Services and does not reflect an actual survey. It is intended for reference purposes only. © 2019

Map M-XII-1

Map M-XII-2: Flood Zones



FLOOD ZONE MAP

- Railroad
- Water Bodies
- City Boundary

FLOOD ZONE DESIGNATIONS

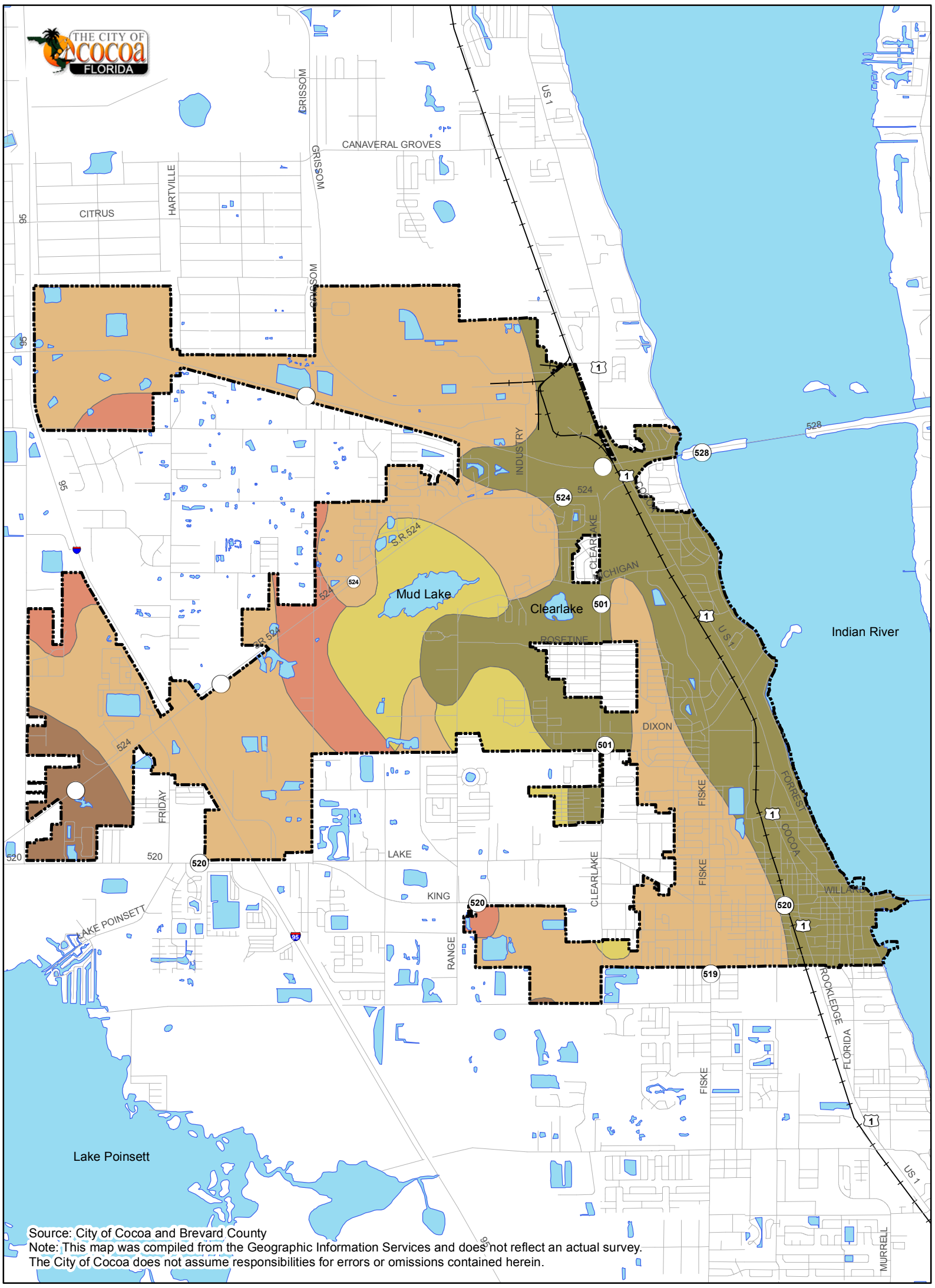
- A - Areas with a 1% annual chance of flooding and a 26% chance of flooding over a 30-year period.
- AE - Areas considered to be the base flood plain where the base flood elevations are provided.
- X - Areas of minimal flood risk, above the 500-year flood level.
- X500 - Areas designated as a 500-year risk.

0 0.25 0.5 1 Miles

City of Cocoa, Florida
65 Stone Street
Cocoa, Florida 32922

N

Map M-XII-3: General Soils



XIII - INTERGOVERNMENTAL COORDINATION ELEMENT



Serving the Community

GOAL 13.1: The City shall maintain an ongoing commitment to Intergovernmental Coordination to ensure that the growth management goals of the comprehensive plan will be effectively implemented.

Objective 13.1.1: Coordinate Comprehensive Plan. The City shall continue to coordinate comprehensive planning and intergovernmental issues with Brevard County, adjacent municipalities and the East Central Florida Regional Planning Council (ECFRPC).

Policy 13.1.1.1: The City shall exchange intergovernmental information and services with appropriate local governments through scheduled meetings and as requested.

Policy 13.1.1.2: The City shall engage in mutual discussion with Brevard County and adjacent municipalities to establish an annexation policy to direct an orderly and timely process of annexing unincorporated lands adjacent to Cocoa's municipal boundaries.

Policy 13.1.1.3: In the event of a conflict with the comprehensive plan of another local government that cannot be successfully resolved within a reasonable period of time, the City will appeal to the ECFRPC's informal mediation process. Wherever possible, the appeal will be submitted as a joint request by the local governments. The City shall work with Brevard County to adopt a Joint Planning Agreement (JPA) to address long-term planning and decision making for the region, including the issue of future annexations.

Policy 13.1.1.4: The City shall review and update all interlocal agreements to ensure consistency with the requirements of Florida Statutes.

Objective 13.1.2: Impacts of Development. The City of Cocoa shall ensure that the impacts resulting from the implementation of the comprehensive plan upon development in adjacent municipalities, unincorporated areas, regions and the State are evaluated and addressed with such jurisdictions.

Policy 13.1.2.1: The City staff will evaluate development projects in Cocoa to include an assessment of impacts on the comprehensive plans of adjacent jurisdictions.

Policy 13.1.2.2: The City staff will assess future amendments to its comprehensive plan, including the Future Land Use and Capital Improvements elements, for impact on the comprehensive plans of adjacent jurisdictions.

Policy 13.1.2.3: The City shall coordinate with the City of Rockledge to institute joint planning activities in areas of joint concern and influence. The activities shall include land use, landscaping, urban design and urban form of new development in the area.

Policy 13.1.2.4: The City shall coordinate transportation planning activities with the Florida Department of Transportation (FDOT), ECFRPC, the Space Coast TPO, Brevard County and the adjacent municipalities to protect and preserve necessary future rights-of-way and to adopt corridor roadway systems in and around the City of Cocoa.

Objective 13.1.3: Coordinate Level of Service Standards. The City shall continue to coordinate with responsible local, regional, and State authorities, as appropriate, to ensure consistency of adopted level of service (LOS) standards across jurisdictions.

Policy 13.1.3.1: The City shall continue to contract with a private service provider for solid waste collection service and disposal at the Brevard County landfill and will coordinate adopted LOS standards with the County.

Policy 13.1.3.2: The City shall continue to function as the primary provider for potable water service within its franchise area in central Brevard County and will coordinate with adjacent jurisdictions using potable water services regarding LOS standards and the extension of water and wastewater services to the new users of the Cocoa water system.

Policy 13.1.3.3: The City shall continue to coordinate with FDOT, the Space Coast TPO and Brevard County to establish concurrency management mechanisms that will provide consistent LOS standards to be maintained on major roadways in and around the City of Cocoa.

Objective 13.1.4: Housing and Recreational Facilities. The City shall provide appropriate mechanisms to coordinate information and programs for the provision of housing and recreational facilities.

Policy 13.1.4.1: The City shall solicit recommendations and assistance from various public agencies and quasi-public organizations such as the Florida Department of State, Division of Historic Resources, the state land planning agency, Florida Department of Children & Families, Brevard County Housing Authority and local Chambers of Commerce to assist in program funding, identification of structures and areas to be preserved for historical purposes.

Policy 13.1.4.2: The City shall continue both formal and informal communication with appropriate State and regional agencies, such as the state land planning agency and the ECFRPC, to ensure availability of information on specific programs, projects, and legislation pertinent to affordable housing and to provide technical assistance for potential grants.

Policy 13.1.4.3: The City shall engage in efforts with Brevard County and the Brevard County School Board for procurement, operation and maintenance of parks and recreation facilities.

Policy 13.1.4.4: The City shall continue to cooperate with state agencies as well as non-profit environmental organizations in identifying programs and funding sources to promote further development of community parks, open space and recreation facilities and to coordinate with them in effectively managing existing natural areas and open space.

Objective 13.1.5: Natural Resources. The City will continue to strengthen existing, and establish new, intergovernmental relationships to ensure natural resource management and protection.

Policy 13.1.5.1: The City shall coordinate with existing resource protection plans of other government agencies and entities including the FDEP, SJRWMD, as well as with nonprofit environmental organizations to appropriately conserve and manage natural areas, water supply sources and open space.

Policy 13.1.5.2: The City shall coordinate with Brevard County and adjoining municipalities to ensure that natural resources occurring in, or affecting more than one governmental jurisdiction, are effectively managed to preserve, protect and enhance natural systems, wildlife, fisheries and habitat. This includes ensuring the City's stormwater management, aquifer recharge and reuse water policies and projects are consistent with the goals of the SJRWMD's water supply plan and the Upper St. Johns River Surface Water Improvement and Management (SWIM) Plan to protect or enhance water quality and natural systems.

Objective 13.1.6: Coordinate with Brevard County School Board. The City shall continue to coordinate with the Brevard County School Board with regard to school site selection and the implementation of school concurrency consistent with the adopted Interlocal Agreement.

Policy 13.1.6.1: The City and the Brevard County School Board shall discuss and coordinate development plans for expansion of existing schools or development of new education facilities within the City to assure such activities are consistent with growth management directives established within the City's comprehensive plan. Issues shall include the impacts of facilities on adopted LOS standards established for public school facilities, transportation, potable water, wastewater, drainage and solid waste services.

Policy 13.1.6.2: The City shall provide the Brevard County School Board with information regarding proposed new developments to assist its efforts in planning new schools and to solicit its review comments.

Policy 13.1.6.3: In cooperation with the Brevard County School Board, Brevard County, and other local jurisdictions the City will implement the Interlocal Agreement which includes procedures for the coordination

of land use and school capacity, and the sharing of information, including population and student enrollment projections.

Objective 13.1.7: St. Johns River Water Management District. The City shall continuously monitor the St. Johns River Water Management District (SJRWMD) Water Supply Plan for revisions and amendments on an annual basis to determine whether revisions to the City's Water Supply Management Plan are needed.

Policy 13.1.7.1: The City shall maintain a Water Supply Facilities Work Plan consistent with the SJRWMD's Water Supply Plan.

Policy 13.1.7.2: Within 18 months of any changes to the above referenced plan by SJRWMD, the City shall evaluate its adopted Water Supply Facilities Work Plan for updates necessary to keep it consistent with the SJRWMD's plan.

Policy 13.1.7.3: Supply and demand projections will be consistent with the above-mentioned plans, assessments and processes.

Policy 13.1.7.4: The City will continue to actively participate in water supply planning work groups and meetings on an as-needed basis.

Policy 13.1.7.5: The City shall participate in the updates to the SJRWMD's water supply assessment and District Water Supply Plan and other water supply development-related initiatives facilitated by the SJRWMD that affect the City.

XIV - CAPITAL IMPROVEMENTS ELEMENT

Serving the Community

GOAL 14.1: Through the use of sound fiscal policies, the City of Cocoa shall provide adequate public facilities to all residents within its jurisdiction in a timely and efficient manner that promotes orderly compact urban growth and discourages urban sprawl.

Objective 14.1.1: Level of Service Standards. The City shall adopt levels of service (LOS) standards for public facilities and capital improvement projects within its jurisdictional responsibility.

Policy 14.1.1.1: The following LOS standards are hereby adopted and shall be used as the basis for determining the availability of public facilities for new development and redevelopment in the City.

PUBLIC FACILITIES		
WASTEWATER Source: Chapter 64E 6.008, Florida Administrative Code; Standard for Onsite Sewage Treatment and Disposal Systems, Revisions Effective July 16, 2013	DEVELOPMENT TYPE	
	Industrial	0.02 gallons per sq. ft. per day
	Office Space	15 gallons per capita per day
	Hotel/Motel	100 gallons per day per room
	Residential	319 gallons per day per household
	Restaurant	50 gallons per capita per day
	Bar/Lounge	20 gallons per day per seat
STORMWATER MANAGEMENT	DESIGN STORM EVENT 25-year frequency/24-hour duration event	
	ON-SITE STORMWATER MANAGEMENT Retention of the first one inch of rainfall runoff for areas of one acre or more; or retention of first one-half inch of rainfall runoff for drainage areas of less than one acre.	
	STORMWATER QUANTITY Post development stormwater runoff flow rates, quantities, peaks, and velocities shall be equal to or less than levels that existed prior to development.	
	STORMWATER QUALITY No significant degradation of water quality in receiving water bodies	
POTABLE WATER	AVERAGE FLOW 122 gallons per capita per day (gpcd) per household, or 340 gallons per day per equivalent residential connection (ERC)	
	PEAK FLOW - 510 gallons per day per ERC	
	PEAK FLOW COEFFICIENT - 1.5	
	PRESSURE Normal: 55-65 psi Peak Hour: 40-50 psi During Fire: 20 psi	
SOLID WASTE	DISPOSAL (BREVARD COUNTY LANDFILL) Cocoa Contribution Rate – 1.2 tons per capita per year	

	COLLECTION Residential: 2 times per week, each household Non-residential: 2 to 6 times per week As needed, each location Green Waste and Recyclables: Once per week	
ROADWAYS		
CITY OF COCOA JURISDICTION		MINIMUM LOS
Forrest Avenue		E
Cox Road (within city limits)		E
Fiske Boulevard (from SR 520 to Dixon Boulevard)		E
Indian River Drive (CR 515)		E
Peachtree Street (from Clearlake Road to US 1/SR 5)		E
Florida Avenue (within city limits)		E
OTHER OR MULTI-JURISDICTIONAL	JURISDICTION	MINIMUM LOS
Pineda Street (from Lake Drive to SR 501)	City/County	E
Michigan Boulevard	County	E
Dixon Boulevard	County	E
Range Road	County	E
Rosetine Street	County	E
Adamson Road (SR 524 to Pine)	County	D
Friday Road (SR 524 to SR 520)	County	E
Grissom Parkway (Industry to Canaveral Groves)	County	E
Industry Road (SR 524 to Grissom Pkwy)	County	E
SR 528 (Beachline Expressway)	State	D
SR 520 (from Clearlake Road to US 1/SR 5)	State	D
SR 520 (from SR 524 to Burnett Rd)	State	D
SR 519 (Fiske Boulevard south of SR 520)	State	D
US 1/SR 5 (from SR 528 to south of SR 520)	State	D
SR 524 (from SR 520 to SR 528)	State	D
SR 501 (Clearlake Road)	State	D
Interstate Highway 95 (I-95) (SR 519/Fiske Blvd to SR 520)	State	E
Interstate Highway 95 (I-95) (SR 520 to SR 524)	State	E
Interstate Highway 95 (I-95) (SR 524 to SR 528)	State	E
RECREATION		
1.25 acres of developed recreational area per 1000 population		

The uniform LOS standards for public schools shall be those established in the Public Schools Facilities Element. Currently, the LOS for the School District is 100%.

Policy 14.1.1.2: By December 1st of each year the City shall adopt as part of its Capital Improvements Element the Brevard County School District Five Year Work Program approved by the School as part of the School District budget. The City of Cocoa hereby adopts by reference the Five-Year District Facilities Work Program (2018-2019 through 2022-2023) as approved by the School Board on October 23, 2018. Included therein shall be planned facilities and funding sources to ensure the level of service standards will be achieved by the end of the five-year period.

Objective 14.1.2: Concurrency Management System. The City shall implement the Concurrency Management System (CMS) adopted in the City Code, which is consistent with sections 163.3177 and 163.3180, F.S. to manage the land development process so that public facility needs created by previously issued development orders or future development do not exceed the City's ability to fund and provide needed capital improvements.

Policy 14.1.2.1: The concurrency evaluation system shall measure the potential impact of any development proposal on the established minimum acceptable LOS standards for sanitary sewer, solid waste, stormwater, potable water, parks and recreation and transportation facilities, unless the development is exempt from the review requirements of the CMS.

Policy 14.1.2.2: No development permit or order shall be issued unless adequate public facilities are available to serve the proposed development as determined by the concurrency evaluation in the adopted CMS.

Policy 14.1.2.3: The City shall require all public and private capital facilities to provide service at the LOS standards adopted in this comprehensive plan for previously vested, existing and future permitted development. These capital facilities shall be provided concurrently with the impacts of development based on the minimum requirements in the City's adopted CMS.

Objective 14.1.3: Evaluation of Capital Projects. The City's capital projects shall be evaluated to determine if they meet prioritization criteria and consistency with adopted LOS standards and/or public need.

Policy 14.1.3.1: Requests for capital projects shall generally be evaluated on their impact to the City budget based on the following factors:

- Meet existing deficiencies;
- Provide repair or replacement of existing facilities;

- Accommodate desired future growth; and
- Consistency with the City's Budget Prioritization list.

Policy 14.1.3.2: The Finance Director shall determine if the capital project can be funded from existing cash, future revenues or through borrowing. In addition, the finance director shall assign revenue sources to fund the project.

Policy 14.1.3.3: The Finance Director shall prepare a report evaluating the funding options, the effect of the improvement on future revenues and the effect of the improvement on operation and maintenance costs.

Policy 14.1.3.4: The City shall adopt the following policy statements as guides for capital programming:

A. The City shall make all capital improvements in accordance with an adopted Capital Improvements Program (CIP).

B. The City shall develop a multi-year plan for capital improvements and update it annually.

C. The City shall enact an annual capital budget based on the multi-year CIP. Future capital expenditures necessitated by changes in population, changes in real estate development or changes in economic base will be calculated and included in capital budget projections.

D. The City shall coordinate development of the capital improvement budget with development of the operating budget. Future operating costs associated with new capital improvement will be projected and included in operating budget forecasts.

E. The City shall use intergovernmental assistance to finance only those capital improvements that are consistent with the CIP and city priorities, and whose operating and maintenance costs have been included in operating budget forecast.

F. The City shall maintain all its assets at a level adequate to protect its capital investment and to minimize future maintenance and replacement costs.

G. The City shall project its equipment replacement and maintenance needs for the next several years and will update this projection each year. From this projection, a maintenance and replacement schedule will be developed and followed.

H. The City shall identify the estimated costs and potential funding sources for each capital project proposal before it is submitted to Council for approval.

I. The City shall determine the least costly financing method for all new projects.

Policy 14.1.3.5: Capital improvements planning will include evaluations of the costs and benefits of upgrading, expanding or modifying regionally significant public facilities versus the cost of constructing new facilities.

Policy 14.1.3.6: Projects of the five-year Capital Improvements Schedule shall be prioritized based on the following:

CRITERIA FOR PRIORITY RANKING OF CAPITAL IMPROVEMENT PROJECTS:

PRIORITY ONE

1) The project addresses a condition dangerous to public health, safety and welfare.
2) The project achieves compliance with a mandate or other legal obligation (contract/development order).
3) The project alleviates an emergency service disruption or deficiency.
4) The project prevents irreparable damage to a critical public facility.

PRIORITY TWO

1) The project is identified in the 2016-2021 Strategic Plan and will stimulate economic growth and induces opportunity to attract private capital investment.
2) The project's deferment would result in severe degradation of public facilities and/or reduction in level of service.
3) The project leverages available federal, state or county funding or public-private partnerships (grant awarded or public-private partnership, matching requirement considerations).
4) The project reduces demand on natural resources and/or promotes sustainability.
5) The project increases efficient use of existing facilities.
6) The project reduces future operating and maintenance costs and advances fiscal sustainability.
7) The project provides service to developed areas lacking full service.
8) The project promotes in-fill development.

PRIORITY THREE

1) The project rehabilitates or replaces an obsolescent public facility.
2) The project provides a new or expanded level of service to City of Cocoa residents and/or business owners.

3) The project leverages available federal, state or county funding (grant opportunities/joint funding).
4) The project enhances natural or cultural resources.
5) The project represents a logical extension of facilities.

PRIORITY FOUR

1) The project promotes and enhances the City of Cocoa's image, physically or emotionally.
2) The project enhances and expands recreational or community amenities.
3) The project presents an opportunity to enhance and strengthen community identification within the Space Coast region.

Objective 14.1.4: Public Facility Improvements for New Growth. Public facility improvements that are needed to support new growth will maintain adopted levels of service. Improvements to public facilities that result from the impact of new development will require equitable cost participation by the developer.

Policy 14.1.4.1: All development order applications shall be evaluated as to the impact of the development on capital facilities and the operation and maintenance of those facilities. The evaluation shall include, but not be limited to, the following:

A. Expected capital costs, including the installation of required new facilities that are related to the development.
B. Expected operation and maintenance costs associated with the new facilities required by the development.
C. Anticipated revenues from the development, including impact fees, user fees and future taxes.

Policy 14.1.4.2: New development shall be responsible for installing all internal water and sewer systems, traffic circulation systems and internal recreation/open space facilities within the development. In addition, connections of internal systems to the City's designated water and sewer systems and traffic circulation network shall be the financial responsibility of the developer. Nothing herein shall preclude the City from adopting a development agreement for the purposes of entering into a public-private partnership to participate in funding improvements.

Policy 14.1.4.3: The City will not approve development that requires public facility improvements that exceed the City's ability to provide these in accordance with the adopted LOS standards.

Policy 14.1.4.4: Service areas designated for public facilities, as defined in the comprehensive plan, will be utilized to guide the availability of public facilities for future development.

Policy 14.1.4.5: The City, through adoption and implementation of land development regulations, comprehensive plan goals, objectives and policies, impact fees, other impact exactions, implementation of the annual budget and five-year capital improvements schedule, shall ensure the availability of public facilities and services concurrent with the impacts of development. Development shall not be approved unless the necessary infrastructure items and services are available subsequent to plan adoption.

Policy 14.1.4.6: Public expenditures which fund infrastructure improvements within the Coastal Planning Area shall abide by the limitations expressed in the Coastal Management Element (Objective 9.1.5. and Policies 9.1.5.1-2).

Objective 14.1.5: Coastal High Hazard Expenditures. Public expenditures for capital improvements in the coastal high hazard area (as hurricane vulnerability area) will be limited to repair and replacement of existing facilities, correcting existing deficiencies and hazards, and improvements to the potable water system unless the improvements are included in the plans of the City's community redevelopment areas.

Policy 14.1.5.1: The City will comply with appropriate regulatory requirements regarding development in the coastal high hazard area.

Objective 14.1.6: Multi-Jurisdictional Coordination. The City will continue coordination that provides for multi-jurisdictional approaches to the provision of needed public facilities.

Policy 14.1.6.1: The City will appoint representatives to participate in intergovernmental activities pertaining to public facility issues and comprehensive plan implementation in Brevard County.

Policy 14.1.6.2: The City Manager and the Planning and Zoning Board will work closely to address multi-jurisdictional issues concerning the funding of public services.

Policy 14.1.6.3: Additional City services to the two county enclaves will be predicated on annexation.

Policy 14.1.6.4: All capital projects shall be reviewed as to their compatibility and timing in relation to capital projects being implemented or planned by Brevard County, the Florida Department of Transportation, the St. Johns River Water Management District, the Brevard County School Board, the Florida Department of Environmental Protection, and/or any other applicable government agency.

Policy 14.1.6.5: Consistent with other applicable elements of this Plan, the City will provide for the provision of potable water, wastewater, surface water management, solid waste services, and other public services where the City has a legal commitment to provide such services.

Objective 14.1.7: Schedule of Capital Improvements. An annual review of the Capital Improvements Element (CIE) will be included in the City's budget process.

Policy 14.1.7.1: As part of the annual review of the CIE, the Finance Department shall be responsible for addressing the fiscal impact of capital improvement projects on revenue and expenditures and updating the fiscal assessment section of the CIE.

Policy 14.1.7.2: The fiscal assessment review and update will be carried out by the Finance Office and will include, at minimum, the following:

A. Forecasted summary of revenues and expenditures

B. Projected debt service capacity including:

1. Projected revenue bond debt service as a percentage of total debt;
2. Ratio of total debt to total revenue;
3. Projected ad valorem tax base, assessment ratio and millage rate;
4. Projection of operating cost considerations.

C. Verify financial feasibility of the CIE

Policy 14.1.7.3: The City shall adopt a Capital Improvement Program (CIP) as part of the annual budgeting process. The CIP will be derived from and coordinated with the annual review of the Capital Improvements Element.

Policy 14.1.7.4: The City hereby adopts the Five-Year Schedule of Capital Improvements included in this element and shall update the projects annually via resolution to reflect any changes to the CIE and CIP.

Policy 14.1.7.5: The City shall, on an annual basis, amend its CIE to reflect any changes to its water treatment and distribution system needed to maintain the adopted level of service for all residents and customers.

Policy 14.1.7.6: The Water and Sewer Enterprise Fund will provide capital improvement revenue and bonding capacity for the expansion of the water and sewer system as identified in the Public Facilities Element and the Capital Improvements Element. The City shall seek supplemental grant funds whenever possible.

Policy 14.1.7.7: The City shall continue to utilize "user pays" financing strategies in land development regulations including, but not limited to, impact

fees, user charges, special assessments and contribution in lieu of payment.

Policy 14.1.7.8: In providing capital improvements, the City shall limit the maximum ratio of outstanding indebtedness to no greater than 15% of the property tax base.

CAPITAL IMPROVEMENTS ELEMENT IMPLEMENTATION

- Five Year Schedule of Capital Improvements
- Location of Projects
- Programs to Ensure the Implementation of the Capital Improvements Element, Goals, Objectives and Policies.
- Monitoring and Evaluation

PROGRAMS TO ENSURE THE IMPLEMENTATION OF THE CAPITAL IMPROVEMENTS ELEMENT, GOALS, OBJECTIVES AND POLICIES

1) The Capital Improvements Element will be updated annually as part of the City's budget cycle.
2) The Department of Community Development will monitor land use decisions for consistency with the Capital Improvements Element and Future Land Use Element.
3) Maintaining the adopted LOS will function as primary criteria for assessing the impact of new development on public facilities.
4) The Public Works and Engineering Departments will continue to tract facility demand and capacity information as site plans and subdivision plats are approved.
5) Financial operations of the City will include maintaining enterprise and special funds, connection fees, and general fund balance as revenue sources for capital improvement projects.

MONITORING AND EVALUATION

The role of monitoring and evaluation is vital to the effectiveness of any planning program and particularly for the Capital Improvements Element. This is largely because the City's revenue and expenditure streams are subject to fluctuations in the market and economy. It is the behavior of these streams that will be used to predict fiscal trends in order to maintain the City's adopted level of service standards for public facilities. Therefore, the Capital Improvements Element requires a continuous program for monitoring and evaluation, and pursuant to Chapter 163, F.S., this element will be reviewed on an annual basis to ensure that required fiscal resources are available to provide public facilities needed to support adopted LOS standards. The annual review will be the responsibility of the City Council, City Manager, Department(s) of Community Services, Finance, Public Works, and Utilities, and the Planning and Zoning Board. The review may include the following considerations as appropriate:

1) Any corrections, updates, and modifications concerning costs; revenue sources; acceptance of facilities pursuant to dedications which are consistent with the element; or the date of construction of any facility enumerated in the element;

2) The Capital Improvement Element's consistency with the other elements and is support of the Future Land Use Element;

3) The City's ability to provide public facilities and services within the urban service area in order to determine any need for boundary modification or adjustment;

4) The priority assignment of existing public facility deficiencies;

5) The City's progress in meeting those needs determined to be existing deficiencies;

6) The criteria used to evaluate capital improvement projects in order to ensure that projects are being ranked in their appropriate order of priority;

7) The City's effectiveness in maintaining the adopted LOS standards;

8) The City's effectiveness in reviewing the impacts of plans and programs of state agencies and water management districts that provide public facilities within the county's jurisdiction;

9) The effectiveness of potential impact fees, and mandatory dedications or fees in lieu of, for assessing new development a pro rata share of the improvement costs which they generate;

10) The impacts of special districts and any regional facility and service provision upon the City's ability to maintain its adopted LOS standards;

11) The ratio of outstanding indebtedness to city revenue;

12) Efforts made to secure grants or private funds, whenever available, to finance the provision of capital improvements;

13) The transfer of any unexpended account balances;

14) The criteria used to evaluate proposed plan amendments and requests for new development or redevelopment; and

15) Capital improvements needed for the latter part of the planning period, for inclusion in the 5-Year Schedule of Improvements.

Policy 1.2.1.4: The City shall adopt a pedestrian routes and bike trails master plan. The plan may identify primary and secondary pedestrian routes and bike routes that will connect neighborhoods to parks, downtown and other major destinations in the City.

Policy 1.2.1.5: The City shall increase coordination with SCAT to integrate bike routes and public transit in the City, to increase the transit safety and to expand the transit service routes.

Policy 1.2.1.6: New development, as well as infill development shall provide interconnected street grid networks, where feasible, to disperse traffic and encourage walkability. Developments may include a hierarchy of narrow streets, boulevards and alleys; high-quality pedestrian networks; designs that encourage a greater use of bicycles, rollerblades, scooters and walking as daily transportation; connectivity to public transit; and a land use mix that demonstrates reduced external trips by encouraging internal trips.

Policy 1.2.1.7: Developments that require site plan review and approval shall be evaluated on the use of site and building design that emphasizes beauty, aesthetics, human comfort, creating a sense of place, special placement of civic uses and sites and human-scale architecture and amenities, especially at street level.

Policy 1.2.1.8: Building height and intensification should follow a transect approach, with maximum intensities and heights (>80') allowed in the central business disitirct, medium intensities and heights (40' to 80') allowed within the mixed-use district, and the lowest intensities and heights (<40') allowed when transitioning into established low-density neighborhoods.

Objective 1.2.2: Image and Identity. The City shall maintain and update its vision for the City's urban form as needed.

Policy 1.2.2.1: The City shall examine the feasibility of establishing form-based design guidelines for City-wide as well as for specific areas in the City including CRAs, major corridors and waterfront. The standards could include streetscape standards, building signage, architectural styles and gateway designs to highlight the entrances to the City.

Policy 1.2.2.2: The City shall develop residential and commercial design standards to ensure attractive, compatible, safe, high-quality development and to encourage Crime Prevention Through Environmental Design (CPTED) principles in order to increase the safety of commercial and residential development.

Policy 1.2.2.3: The City shall evaluate the need to amend the Land Development Code to incorporate CPTED principles for residential and commercial developments.

GOAL 1.3: The City of Cocoa shall enhance the quality of life and prosperity of its citizens through the retention and creation of a wide range of profitable business opportunities and jobs.

Objective 1.3.1: Economic Base Enhancement. The City of Cocoa shall seek to establish and maintain a stable and growing economic base through strategic incentive programs and diversification of the economy.

Policy 1.3.1.1: The City will establish a list of the types of businesses it should target to diversify the economy, which shall be known as "target businesses." Efforts to assist the retention and expansion of local business and attract new enterprises shall be concentrated on industry clusters which will make the greatest contribution to job growth and wealth creation.

Policy 1.3.1.2: The City shall recruit targeted business sectors to diversify the economy through an aggressive strategic marketing program, including utilization of publications and a website, providing information and matching sites and services to prospective businesses, impact fee subsidies and other incentives.

Policy 1.3.1.3: The City shall continue to assist developers of new and renovated commercial development by providing technical and administrative support regarding permitting and regulations to maintain a production capacity level sufficient to meet the demand. Technical assistance may include, but not be limited to the following:

- Continue to foster partnerships with private and non-profit sector business groups that can help a business relocate,
- Provide assistance in how to meet the development review requirements of the City and other regulatory agencies; and
- A shortened review process for qualified businesses.

Policy 1.3.1.4: The City shall work to improve the efficiency and convenience of its development review services to its business customers.

Policy 1.3.1.5: The City shall provide referral services to appropriate agencies for information and assistance to prospective and growing businesses in meeting zoning and infrastructure standards as well as requirements imposed by various government agencies.

Policy 1.3.1.6: The City will target businesses with incentive packages and programs including, Federal Opportunity Zones, Small Business Assistance programs, Community Façade Programs, HUB Zones, Tax

Abatement programs, Brownfield Redevelopment program and Foreign Trade Zone.

Policy 1.3.1.7: The City shall consider adding to the stock of available commercially, recreational and industrially zoned lands as when supply and demand begin to dictate need for more land.

Policy 1.3.1.8: The City shall maintain an office of Economic Development to coordinate between agencies, to develop economic development programs, to retain existing businesses and to actively recruit "target businesses" to the City.

Policy 1.3.1.9: To involve community stakeholder, the City should consider creating an Economic Development Advisory Board consisting of local community and leaders.

Policy 1.3.1.10: The City shall continue efforts to promote business/convention tourism, ecotourism, and sports related tourism in cooperation with the Brevard County Tourist Development Council**.**

Policy 1.3.1.11: The City of Cocoa shall coordinate its economic development programs with other agencies, such as the Economic Development Commission of Florida's Space Coast to expand opportunities.

Objective 1.3.2: Maintain Infrastructure. The City shall maintain adequate infrastructure for encouraging economic activities in the industrial and commercial sectors.

Policy 1.3.2.1: To the extent financially feasible, the City shall continue providing adequate supporting infrastructure (i.e. paved streets, sanitary sewer, drainage, potable water, etc.) in strategic locations throughout the City to appropriately entice economic development.

Objective 1.3.3: Workforce/Wage Enhancement: The City shall improve the quality of life and employability of its citizens by promoting and attracting high technology industries, and higher education opportunities.

Policy 1.3.3.1: To improve the training and education of its work force, the City of Cocoa shall coordinate with the Brevard County Public Schools, Brevard Community College, Webster University and the University of Central Florida.

Policy 1.3.3.2: The City shall work with other government agencies and businesses to match education opportunities to educational and employment needs.

City of Cocoa Five-Year Schedule of Capital Improvements
FY 2018-2019 through FY 2022-2023



Capital Improvement Program
FY 2018 through FY 2022

Adopted



Capital Improvement Program
FY 2018 – 2022

Capital Improvement Program

FY 2018 through FY 2022

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FY 2018 through FY 2022

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CIP Summary List Period FY 2018 - FY 2022

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	1103								
CP-IT-17-AE		52-00	Operating	$95,600	$0	$0	$0	$0	$95,600
Aegis 11 Enterprise Upgrade									
CP-IT-18-FR		63-00	Infrastructure	$0	$89,956	$0	$0	$0	$89,956
Complete City Fiber Ring									
1103 Division TOTAL				$95,600	$89,956	$0	$0	$0	$185,556

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2100								
CP-PD-18-L1	PD16IT	64-15	IT Machinery & Equipmen	$52,000	$52,000	$52,000	$52,000	$52,000	$260,000
Laptops for Officers/Patrol Vehicles									
CP-PD-13-VA		64-00	Machinery & Equipment	$0	$100,000	$0	$0	$0	$100,000
Refabricate SWAT Vehicle									
CP-PD-14-V0		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-14-V9		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V3		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V4		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V5		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-16-V5		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-13-VT		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2100								
CP-PD-13-VB		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-16-V7		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-13-V8		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-13-V2		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-13-V0		64-00	Machinery & Equipment	$0	$0	$33,818	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-CP		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-8V		64-00	Machinery & Equipment	$0	$32,818	$0	$0	$0	$32,818
Replacement Patrol Vehicle									
CP-PD-13-4V		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-2V		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-V9		64-00	Machinery & Equipment	$0	$0	$32,818	$0	$0	$32,818
Replacement Patrol Vehicle									
2100 Division TOTAL				$52,000	$286,272	$222,136	$192,800	$192,800	$946,008

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2101								
CP-PD-18-R1	RC2014	64-00	Machinery & Equipment	$0	$0	$0	$52,771	$52,771	$105,542
P25 Radio Replacement									
2101 Division TOTAL				$0	$0	$0	$52,771	$52,771	$105,542

Fund	Dept/Div	2018	2019	2020	2021	2022	Total Capital Costs
001	2201						

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2201								
CP-FD-18-LP		64-00	Machinery & Equipment	$43,019	$0	$0	$0	$0	$43,019
LifePak 15 V4 Monitor/Defibrillator									
CP-FD-17-BA		64-00	Machinery & Equipment	$0	$0	$236,816	$0	$0	$236,816
Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders									
CP-FD-17-EP		64-00	Machinery & Equipment	$0	$0	$0	$526,179	$0	$526,179
Replace E30 a 2006 Pierce Enforcer pumper									
CP-FD-17-PE		64-00	Machinery & Equipment	$0	$497,277	$0	$0	$0	$497,277
Replace E31 a 2002 Pierce Enforcer Pumper									
2201 Division TOTAL				$43,019	$497,277	$236,816	$526,179	$0	$1,303,291

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3200								
CP-CS-17-ES		68-10	Software	$0	$0	$52,720	$0	$0	$52,720
Electronic Plan Review - Software									
3200 Division TOTAL				$0	$0	$52,720	$0	$0	$52,720

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3510								
CP-PW-18-SM		63-00	Infrastructure	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Annual Sidewalk Maintenance/Replacement Program									
CP-PW-11-PP	PW08SP	63-00	Infrastructure	$300,000	$300,000	$300,000	$300,000	$300,000	$1,500,000
Annual Street Paving Program									
CP-PW-15-BM		63-00	Infrastructure	$0	$120,000	$0	$0	$0	$120,000
Broadview Manor Street Lighting									
CP-PW-17-FS	PW17SI	63-00	Infrastructure	$1,750,000	$0	$0	$0	$0	$1,750,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-PS		63-00	Infrastructure	$0	$675,000	$0	$0	$0	$675,000
Pineda Street Roadway and Sidwalk Reconstruction									
CP-PW-18-SI		63-00	Infrastructure	$100,000	$0	$0	$0	$0	$100,000
SR 520 Interim Safety Improvements									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3510								
CP-PW-18-SB		64-00	Machinery & Equipment	$0	$48,000	$48,000	$48,000	$48,000	$192,000
Steel bench replacement program									
CP-CD-11-SS	CD1205	63-00	Infrastructure	$580,552	$60,552	$0	$0	$0	$641,104
Stone Street Corridor Streetscaping (General Funds portion)									
			3510 Division TOTAL	$2,780,552	$1,253,552	$398,000	$398,000	$398,000	$5,228,104
Fund	**Dept/Div**			2018	2019	2020	2021	2022	Total Capital Costs
001	3540								
CP-PW-18-FW	3540-001	52-00	Operating	$0	$26,725	$0	$0	$0	$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
CP-PW-18-FB	3540-001	68-10	Software	$0	$20,000	$0	$0	$0	$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
			3540 Division TOTAL	$0	$46,725	$0	$0	$0	$46,725
Fund	**Dept/Div**			2018	2019	2020	2021	2022	Total Capital Costs
001	3560								
CP-PW-18-HV		64-00	Machinery & Equipment	$0	$40,000	$50,000	$0	$0	$90,000
City Hall HVAC replacement									
CP-PW-13-CR		62-00	Building	$0	$35,000	$830,000	$0	$0	$865,000
Cocoa Civic Center Rehabilitation									
CP-PW-18-WR		46-00	Repair & Maintenance	$0	$0	$63,000	$0	$0	$63,000
Cocoa PD Wall Rehab									
CP-PW-18-F2		46-02	R&M Building	$36,000	$0	$0	$0	$0	$36,000
Fire #2 Rehab									
CP-PW-18-PB		46-02	R&M Building	$0	$76,000	$0	$0	$0	$76,000
Public Works Pole Barn Rehab									
CP-PW-17-S3		46-02	R&M Building	$0	$75,000	$0	$0	$0	$75,000
Roof replacement Fire station #3									
CP-PW-18-SP		46-02	R&M Building	$32,000	$0	$0	$0	$0	$32,000
Seal/Paint Police department									

Fund	Dept/Div									
001	3560			2018	2019	2020	2021	2022	Total Capital Costs
		3560 Division TOTAL		$68,000	$226,000	$943,000	$0	$0	$1,237,000
Fund	**Dept/Div**								
001	3580			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-17-DM		64-00	Machinery & Equipment	$50,000	$50,000	$0	$0	$0	$100,000
2 Digital message boards									
CP-PW-17-JS	CP1504	62-00	Building	$175,000	$4,385,000	$0	$0	$0	$4,560,000
New Joe L. Smith Center for Justice									
CP-PW-16-FS		63-00	Infrastructure	$0	$95,000	$0	$0	$0	$95,000
Total Fitness system									
CP-PW-18-TC		64-00	Machinery & Equipment	$0	$25,025	$25,025	$0	$0	$50,050
Trash Can replacement									
		3580 Division TOTAL		$225,000	$4,555,025	$25,025	$0	$0	$4,805,050
		001 Fund Total		$3,264,171	$6,954,807	$1,877,697	$1,169,750	$643,571	$13,909,996
Fund	**Dept/Div**								
110	3230			2018	2019	2020	2021	2022	Total Capital Costs
CP-CD-18-FA	CP1502	63-00	Infrastructure	$260,000	$0	$0	$0	$0	$260,000
6 Forrest Avenue Gateway Entry Feature									
CP-PW-18-BA		63-00	Infrastructure	$0	$0	$500,000	$3,500,000	$0	$4,000,000
Brevard Ave Streetscape Project									
CP-CD-14-TD	CS14LW	63-00	Infrastructure	$414,000	$0	$0	$0	$0	$414,000
Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction)									
CP-CD-13-SP	CD1401	63-00	Infrastructure	$0	$0	$0	$0	$433,000	$433,000
Cocoa Village Wayfinding and Signage Program									
CP-CS-16-DG		62-00	Building	$0	$5,500,000	$0	$0	$0	$5,500,000
Downtown Parking Garage									
CP-CS-16-HS	CS15HS	63-00	Infrastructure	$0	$396,994	$0	$0	$0	$396,994
Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion)									

Fund	Dept/Div									
110	3230			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-17-PP		63-00	Infrastructure	$0	$0	$125,000	$0	$0	$125,000
Lee Wenner Park Paving and Striping									
CP-CS-16-RP	PW16RP	63-00	Infrastructure	$45,000	$0	$0	$0	$0	$45,000
Riverfront Park Day Slips									
CP-CS-15-MF	CD1501	63-00	Infrastructure	$0	$0	$245,354	$0	$0	$245,354
Riverfront Park Mooring Field									
CP-CS-17-TC		63-00	Infrastructure	$0	$0	$0	$0	$1,685,721	$1,685,721
Southern Gateway Traffic Circle									
		3230 Division TOTAL		$719,000	$5,896,994	$870,354	$3,500,000	$2,118,721	$13,105,069
		110 Fund Total		$719,000	$5,896,994	$870,354	$3,500,000	$2,118,721	$13,105,069
Fund	**Dept/Div**								
301	3580			2018	2019	2020	2021	2022	Total Capital Costs
CP-FD-11-NS		62-00	Building	$4,851,699	$1,648,301	$0	$0	$0	$6,500,000
***New Fire Stations Construction - Subject to funding availability									
CP-CP-15-01	CP1501	62-00	Building	$160,000	$0	$0	$0	$0	$160,000
HEART OF COCOA MEETING ROOM									
		3580 Division TOTAL		$5,011,699	$1,648,301	$0	$0	$0	$6,660,000
		301 Fund Total		$5,011,699	$1,648,301	$0	$0	$0	$6,660,000
Fund	**Dept/Div**								
421	1515			2018	2019	2020	2021	2022	Total Capital Costs
CP-FN-17-MR		64-15	IT Machinery & Equipmen	$91,090	$10,396	$0	$0	$0	$101,486
Meter reading Hand Held Utility Usage Reading Capture Devices									
		1515 Division TOTAL		$91,090	$10,396	$0	$0	$0	$101,486
Fund	**Dept/Div**								
421	4010			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-FE	3540-001	52-00	Operating	$0	$26,725	$0	$0	$0	$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									

Fund	Dept/Div									
421	4010			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-FA	3540-001	68-10	Software	$0	$20,000	$0	$0	$0	$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
CP-WS-18-AF	WS16UP	31-00	Professional Services	$1,398,790	$0	$0	$0	$0	$1,398,790
Utility Privatization Services									
4010 Division TOTAL				$1,398,790	$46,725	$0	$0	$0	$1,445,515

Fund	Dept/Div									
421	4020			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-AT	WS18AS	63-00	Infrastructure	$200,000	$0	$0	$0	$0	$200,000
Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station									
CP-WS-18-CI	WS1117	63-00	Infrastructure	$200,000	$0	$0	$0	$0	$200,000
Computerized Maintenance Management System (CMMS) Implementation									
CP-WS-18-AI	WS18DW	63-00	Infrastructure	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
Drinking Water System E&IC Reliability and Automation Improvements									
CP-WS-18-GC	WS18DG	63-00	Infrastructure	$170,000	$0	$0	$0	$0	$170,000
Dyal Groundwater Clearwell Transfer Pump Control System Upgrade									
CP-WS-18-RC	WS18DP	63-00	Infrastructure	$330,000	$0	$0	$0	$0	$330,000
Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction									
CP-WS-17-DG	WS17LC	63-00	Infrastructure	$90,000	$0	$0	$0	$0	$90,000
Dyal WTP Package System PLC Upgrade - Cal Flow									
CP-WS-17-OZ	WS17FC	63-00	Infrastructure	$160,000	$0	$0	$0	$0	$160,000
Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press									
CP-WS-18-SU	WS18SC	63-00	Infrastructure	$170,000	$0	$0	$0	$170,000	$340,000
Dyal WTP SCADA server, OS and Server Software Upgrade									
CP-WS-17-WC		68-10	Software	$0	$0	$120,000	$0	$0	$120,000
FY2020 SCADA Design Programming (Water Capital Project)									
CP-WS-17-CA		63-00	Infrastructure	$0	$0	$0	$60,000	$0	$60,000
FY2021 SCADA Design Programming (Water Capital Project)									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
421	4020								
CP-WS-18-SD		68-10	Software	$0	$0	$0	$0	$120,000	$120,000
FY2022 SCADA Design Programming (Water Capital Project)									
CP-WS-17-V6		64-00	Machinery & Equipment	$32,900	$0	$0	$0	$0	$32,900
Replacement of vehicle #03 (2008 Ford F250)									
CP-WS-17-V7		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #121 (2007 Ford F250 UTILITY)									
CP-WS-17-V11		64-00	Machinery & Equipment	$0	$34,975	$0	$0	$0	$34,975
Replacement of vehicle #130 (2010 Ford F250 UTILITY)									
CP-WS-17-V10		64-00	Machinery & Equipment	$0	$34,975	$0	$0	$0	$34,975
Replacement of vehicle #23 (2009 Ford F250 UTILITY)									
CP-WS-15-LN		64-00	Machinery & Equipment	$0	$0	$250,000	$0	$0	$250,000
Replacement of vehicle #47 (1996 Ford LNT8000)									
CP-WS-17-V8		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #78 (2004 Ford F250 UTILITY)									
CP-WS-17-V9		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #94 (2005 Ford F250 UTILITY)									
CP-WS-16-WR	WS1106	63-00	Infrastructure	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
WS-19 Raw Water Well Rehabilitation									
CP-WS-16-FC	WS18SW	63-00	Infrastructure	$418,000	$32,000	$0	$0	$0	$450,000
WT-56 Dyal Surface Water Filters Canopy and Enclosure									
CP-WS-16-DE	WS18DE	63-00	Infrastructure	$98,000	$872,000	$0	$0	$0	$970,000
WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement									
CP-WS-18-DL		63-00	Infrastructure	$0	$290,000	$0	$0	$0	$290,000
WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction									
CP-WS-18-LS	WS18CB	63-00	Infrastructure	$0	$0	$0	$0	$420,000	$420,000
WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction									
CP-WS-18-DB		64-00	Machinery & Equipment	$0	$0	$0	$0	$160,000	$160,000
WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction									

Fund	Dept/Div									
421	4020			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-DF	WS18CP	63-00	Infrastructure	$300,000	$0	$0	$0	$0	$300,000
WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const.									
CP-WS-18-PS	WS18UP	63-00	Infrastructure	$50,000	$0	$0	$0	$0	$50,000
WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade									
CP-WS-18-PC		63-00	Infrastructure	$0	$0	$0	$0	$140,000	$140,000
WT73 Dyal High Service Pump Control System Upgrade									
4020 Division TOTAL				$2,822,400	$1,763,950	$870,000	$560,000	$1,510,000	$7,526,350

Fund	Dept/Div									
421	4025			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-V17		64-00	Machinery & Equipment	$0	$0	$38,100	$0	$0	$38,100
Replacement of vehicle #15 (2009 Ford F250 UTILITY)									
CP-WS-15-71		64-00	Machinery & Equipment	$49,241	$0	$0	$0	$0	$49,241
Replacement of vehicle #171 (2001 Ford F450 Dump)									
CP-WS-16-V6		64-00	Machinery & Equipment	$0	$0	$38,100	$0	$0	$38,100
Replacement of vehicle #174 (2009 Ford F250 Utility)									
CP-WS-15-29		64-00	Machinery & Equipment	$0	$0	$70,900	$0	$0	$70,900
Replacement of vehicle #29 (2002 Ford F450 Dump)									
CP-WS-15-32		64-00	Machinery & Equipment	$0	$0	$71,900	$0	$0	$71,900
Replacement of vehicle #32 (2002 Ford F450 Dump)									
CP-WS-18-V1		64-00	Machinery & Equipment	$53,939	$0	$0	$0	$0	$53,939
Replacement of vehicle #79 (2002 Ford F450 Utility)									
CP-WS-15-92		64-00	Machinery & Equipment	$0	$76,900	$0	$0	$0	$76,900
Replacement of vehicle #92 (2008 Ford F350 Utility)									
4025 Division TOTAL				$103,180	$76,900	$219,000	$0	$0	$399,080

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-WP	WS0501	63-00	Infrastructure	$2,420,000	$0	$0	$0	$0	$2,420,000
14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-CP	WS1210	68-10	Infrastructure	$500,000	$0	$0	$0	$0	$500,000
Capital Plan Update									
CP-WS-14-39	WS18MI	63-00	Infrastructure	$150,000	$1,290,000	$0	$0	$0	$1,440,000
DS-39 Merritt Island In-line Booster Pump Station									
CP-WS-18-FL		63-00	Infrastructure	$0	$0	$0	$0	$610,000	$610,000
DS40 Ivy Dr. and Fenner Rd. Looping									
CP-WS-18-PB		63-00	Infrastructure	$0	$0	$0	$0	$880,000	$880,000
DS43 Pluckebaum Rd and A Ln Looping									
CP-WS-18-BR		63-00	Infrastructure	$0	$0	$0	$0	$200,000	$200,000
DS55 Banana River Drive Canal Crossing									
CP-WS-17-BR	WS18BR	63-00	Infrastructure	$370,000	$1,169,634	$2,792,502	$0	$0	$4,332,136
DS-56 Banana River Tank Improvements									
CP-WS-16-PS	DSCO	63-00	Infrastructure	$0	$0	$87,616	$1,092,384	$0	$1,180,000
DS-60 Banana River and Viera Pump Station Chloramination Improvements									
CP-WS-18-PL		63-00	Infrastructure	$0	$0	$0	$0	$310,000	$310,000
DS62 Imperial to Central Pipe Loop/Brown Circle									
CP-WS-16-MM	WS16MM	63-00	Infrastructure	$2,100,000	$0	$0	$0	$0	$2,100,000
DS-63 Marlin Manor Pipeline Improvements - Construction									
CP-WS-12-DP	WS1404	63-00	Infrastructure	$4,456,476	$13,902,001	$3,297,999	$0	$0	$21,656,476
Dyal Chemical Conversion & Reliability Improvement Project - Construction									
CP-WS-17-WE	WS18WF	63-00	Infrastructure	$1,150,000	$0	$0	$0	$0	$1,150,000
Fiber Optic Cable from Dyal WTP to Wewa WTP									
CP-WS-17-FO	WS17FO	63-00	Infrastructure	$690,000	$0	$0	$0	$0	$690,000
Fiber Optic Cable from Police Department to Dyal WTP									
CP-WS-18-FB	WS18FB	63-00	Infrastructure	$1,000,000	$0	$0	$0	$0	$1,000,000
Fiske Boulevard Pipeline Improvements - Peachtree to Highland									
CP-UT-18-HS	WS18HS	63-00	Infrastructure	$0	$98,720	$0	$0	$0	$98,720
Harrison Street Streetscape (Utility portion)									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-MA	WS17MI	63-00	Infrastructure	$740,000	$0	$0	$0	$0	$740,000
Michigan Avenue Force Main (Carry Forward)									
CP-WS-18-SS	WS18SS	63-00	Infrastructure	$659,356	$0	$0	$0	$0	$659,356
Stone Street Corridor Streetscaping (Utility portion)									
CP-WS-13-PM	WS1221	63-00	Infrastructure	$1,500,000	$1,400,000	$1,200,000	$1,100,000	$1,000,000	$6,200,000
Utilities Program Management									
CP-WS-18-TS	WS1210	68-10	Software	$30,000	$300,000	$30,000	$30,000	$30,000	$420,000
Wastewater Capital Plan									
CP-WS-14-03	WS0501	63-00	Infrastructure	$0	$0	$0	$0	$240,000	$240,000
WS-03 Pigging and Flushing Improvements for Raw Water Pipelines									
CP-WS-14-05	WS-05	63-00	Infrastructure	$0	$0	$0	$1,100,955	$2,319,045	$3,420,000
WS-05 54 inch Redundant Pipe to Dyal									
CP-WS-05-01	WS0501	63-00	Infrastructure	$0	$0	$99,892	$5,428,703	$2,767,574	$8,296,169
WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa									
CP-WS-18-RP		63-00	Infrastructure	$0	$0	$0	$0	$390,000	$390,000
WS11 Redundant Pipeline Well 20 to 23 - Design									
CP-WS-12-PL	WS1201	63-00	Infrastructure	$2,770,786	$2,142,744	$3,000,000	$3,424,610	$5,000,000	$16,338,140
WS1201 Pipe Infrastructure Assessment and Replacement									
CP-WS-18-NW		63-00	Infrastructure	$0	$820,000	$0	$0	$0	$820,000
WS20 Install New Well No. 17									
CP-WS-18-SI		63-00	Infrastructure	$0	$0	$0	$0	$2,300,000	$2,300,000
WS22 Wellfield Security Improvements									
CP-WS-14-02	WS1402	63-00	Infrastructure	$3,995,629	$0	$0	$0	$0	$3,995,629
WT-02 Separation of Groundwater and Surface Water Clear Well									
CP-WS-18-LF		63-00	Infrastructure	$0	$0	$0	$0	$840,000	$840,000
WT37 Lime Feed and Storage System Improvements									
CP-WS-18-BE		63-00	Infrastructure	$0	$0	$0	$0	$1,540,000	$1,540,000
WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-15-SU	WS1508	63-00	Infrastructure	$0	$310,000	$3,250,000	$0	$0	$3,560,000
WT-51 Sulfuraetor									
CP-WS-16-GI	WT-54	63-00	Infrastructure	$0	$0	$430,000	$3,860,000	$0	$4,290,000
WT-54 Tier 4 Generator Improvements									
CP-WS-18-SB		62-00	Building	$0	$0	$0	$0	$220,000	$220,000
WT58 Dyal WTP Storage Building									
CP-WS-18-BP		63-00	Infrastructure	$0	$90,000	$950,000	$0	$0	$1,040,000
WT61 Dyal CO2 Bulk Package System									
CP-WS-17-TT	WS18DT	64-00	Machinery & Equipment	$110,000	$0	$0	$0	$0	$110,000
WT-62 Dyal TTHM Prevention and/or Reduction									
CP-WS-17-DF	WS18RD	63-00	Infrastructure	$0	$640,000	$6,840,000	$0	$0	$7,480,000
WT-63 Replacement of Dyal Finished Water Steel GST									
CP-WS-15-OI	WT-CO	64-00	Machinery & Equipment	$0	$0	$1,513,504	$3,036,496	$0	$4,550,000
WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements)									
4055 Division TOTAL				$22,642,247	$22,163,099	$23,491,513	$19,073,148	$18,646,619	$106,016,626

Fund	Dept/Div									
421	4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-BS		63-00	Infrastructure	$0	$0	$200,000	$200,000	$1,800,000	$2,200,000
Biosolids Improvements Project									
CP-WS-17-PA	WW-32	63-00	Infrastructure	$0	$115,000	$0	$0	$0	$115,000
Bracco Pond Aeration									
CP-WS-18-BI	WW-32	63-00	Infrastructure	$0	$90,000	$0	$0	$0	$90,000
Bracco Pond Interconnect									
CP-WS-18-CS		63-00	Infrastructure	$0	$100,000	$600,000	$0	$0	$700,000
Chemical Storage Relocation									
CP-WS-18-UP	WS17CM	63-00	Infrastructure	$50,000	$0	$0	$0	$0	$50,000
CMMS Update Phase II									

Fund	Dept/Div									
421	4120				2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-GR		63-00	Infrastructure		$0	$0	$0	$0	$200,000	$200,000
Generator Replacement										
CP-WS-18-IP		63-00	Infrastructure		$0	$0	$0	$0	$205,000	$205,000
Internal Recycle Pump Replacement										
CP-WS-18-FI	WS16SF	63-00	Infrastructure		$2,115,000	$2,115,000	$0	$0	$0	$4,230,000
Jerry Sellers Flow Improvements										
CP-WS-18-LE	WS18SE	62-00	Building		$65,000	$0	$0	$0	$0	$65,000
Jerry Sellers WRF Laboratory Expansion										
CP-WS-18-OP	WS18PR	31-00	Professional Services		$65,000	$0	$0	$0	$0	$65,000
Jerry Sellers WRF Operating Permit Renewal										
CP-WS-18-LP		63-00	Infrastructure		$0	$0	$0	$200,000	$0	$200,000
LCP No. 1 Rehabilitation										
CP-WS-18-CR	WS1222	63-00	Infrastructure		$780,000	$0	$0	$0	$0	$780,000
MCC and Conduit Replacement Project (Carry Forward)										
CP-WS-18-MP		63-00	Infrastructure		$0	$65,000	$650,000	$0	$0	$715,000
Michigan Pond Supplemental Reuse										
CP-WS-17-ML	WS1510	63-00	Infrastructure		$40,000	$400,000	$750,000	$0	$0	$1,190,000
Mud Lake Wetlands										
CP-WS-18-FR		64-00	Machinery & Equipment		$21,200	$0	$0	$0	$0	$21,200
New F150 Ref Cab										
CP-WS-18-WP		63-00	Infrastructure		$0	$0	$0	$600,000	$0	$600,000
Reclaimed Water Pump Replacement										
CP-WS-18-RM		64-00	Machinery & Equipment		$0	$0	$0	$550,000	$0	$550,000
Replacement of MCCs 7 and 8										
CP-WS-17-V16		64-00	Machinery & Equipment		$0	$30,237	$0	$0	$0	$30,237
Replacement of vehicle #42 (2006 Ford E250 VAN)										
CP-WS-17-RT	WS17RT	63-00	Infrastructure		$150,000	$150,000	$150,000	$150,000	$150,000	$750,000
RTU Replacement										

Fund	Dept/Div									
421	4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-TR		63-00	Infrastructure	$0	$0	$0	$0	$250,000	$250,000
Tank recoating project									
CP-WS-18-TP		63-00	Infrastructure	$0	$0	$0	$430,000	$0	$430,000
Transfer pump replacement									
CP-WS-18-DC		63-00	Infrastructure	$0	$0	$0	$0	$2,530,000	$2,530,000
UV Disinfection Conversion									
CP-WS-17-VI	WS17VA	63-00	Infrastructure	$60,000	$0	$0	$0	$0	$60,000
Valve Identification Project									
CP-WS-17-V2		64-00	Machinery & Equipment	$56,000	$0	$0	$0	$0	$56,000
Water Reclamation E250 Van									
			4120 Division TOTAL	$3,402,200	$3,065,237	$2,350,000	$2,130,000	$5,135,000	$16,082,437
Fund	**Dept/Div**								
421	4125			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-R3	WS0904	63-00	Infrastructure	$400,000	$400,000	$400,000	$400,000	$0	$1,600,000
CIPP Rehabilitation Phases 3 - 6									
CP-WS-18-SR		63-00	Infrastructure	$0	$0	$0	$700,000	$0	$700,000
Lift Station No. 1 Replacement									
CP-WS-17-V18		63-00	Infrastructure	$0	$0	$0	$38,100	$0	$38,100
Replacement of vehicle #53 (2009 Ford F250 UTILITY)									
CP-WS-17-V1	WW-33	64-00	Machinery & Equipment	$0	$0	$30,237	$0	$0	$30,237
Water Reclamation Fleet E250 Van									
CP-WS-17-V3	WW-36	64-00	Machinery & Equipment	$0	$0	$0	$38,100	$0	$38,100
WFO Sewer F250 Utility Ford									
CP-WS-17-V4	WW-37	64-00	Machinery & Equipment	$0	$0	$0	$75,900	$0	$75,900
WFO Sewer F450 Dump Ford									
			4125 Division TOTAL	$400,000	$400,000	$430,237	$1,252,100	$0	$2,482,337
			421 Fund Total	$30,859,907	$27,526,307	$27,360,750	$23,015,248	$25,291,619	$134,053,831

Fund	Dept/Div									
423	3570			2018	2019	2020	2021	2022	Total Capital Costs
CP-SW-11-Cra	PW08CG	63-00	Infrastructure	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Annual Curb & Gutter R&M Program									
CP-SW-11-CR	SW08PL	63-00	Infrastructure	$200,000	$200,000	$200,000	$200,000	$200,000	$1,000,000
Annual Cured in Place Pipe Lining									
CP-PW-17-FY	PW17SI	63-00	Infrastructure	$140,000	$0	$0	$0	$0	$140,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-HS	SW17HS	63-00	Infrastructure	$0	$95,867	$0	$0	$0	$95,867
Harrison Street Streetscape (Stormwater portion)									
CP-SW-12-IR	SW1503	63-00	Infrastructure	$0	$80,000	$80,000	$80,000	$80,000	$320,000
Indian River Drive Baffle Box									
CP-SW-17-MB		64-00	Machinery & Equipment	$0	$310,000	$0	$0	$0	$310,000
Mechanical Broom Sweeper									
CP-SW-12-RR	SW1301	63-00	Infrastructure	$0	$0	$250,000	$0	$0	$250,000
Pipe Range Road Drainage Ditch									
CP-PW-18-SS		63-00	Infrastructure	$120,414	$0	$0	$0	$0	$120,414
Stone street Corridor Streetscaping (Stormwater portion)									
CP-SW-18-AM		31-00	Professional Services	$80,000	$50,000	$0	$0	$0	$130,000
Stormwater GIS Asset Mapping									
CP-SW-17-FA		63-00	Infrastructure	$250,000	$135,000	$0	$0	$0	$385,000
US1 and Forrest Ave Stormwater Facility									
CP-PW-18-YI		64-00	Machinery & Equipment	$32,000	$0	$0	$0	$0	$32,000
Yale Industrial Forklift									
		3570 Division TOTAL		$872,414	$920,867	$580,000	$330,000	$330,000	$3,033,281
		423 Fund Total		$872,414	$920,867	$580,000	$330,000	$330,000	$3,033,281
			Total Requests	**$40,727,191**	**$42,947,276**	**$30,688,801**	**$28,014,998**	**$28,383,911**	**$170,762,177**

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

General Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Aegis 11 Enterprise Upgrade FY Start 2018 Quarter Q2

Project Location: City FY End 2018 Quarter Q1

Project Description

Updrade from Aegis 10.3 MSP to Aegis 11.0 Enterprise. This project includes implementation services and travel related expenses required by Tyler to upgrade the existing public safety sofeware.

Project Justification

Aegis Enterprise includes several next generation features such as enhanced 911, advanced GIS integration and data sharing with several other agencies throughout Brevard County.

Strategic Connection: Operational

The Aegis Public Safety software suite is an essential tool used by Cocoa Police and Fire Departments.

Total Cost of Project	Total Cost to Date
$95,600	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$95,600

Recurring Annual Costs	
Operating	$0
Maintenance	$1,360
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,360

Capital Costs and Proposed Financing by Fiscal Year		
2018	$95,600	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,600	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Complete City Fiber Ring FY Start 2018 Quarter Q2

Project Location: Police Department to City Hall FY End 2018 Quarter Q1

Project Description

Construction of the last section of City fiber from the Police Department to City Hall, completing the fiber ring.

Project Justification

The existing fiber infrastructure consists of a collapsed ring that loops back on itself to provide redundancy. Construction of additional fiber would complete the ring, making the system more redundant. The proposed fiber would cross three major roads (520, Fiske, & US1), railroad tracks, and ten minor roads. Completion of the fiber ring would provide for high availablity of network services and reduced downtime in the event of a fiber cut.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$89,956	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	Revenue
2019	$89,956	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$89,956	

Financing Comments

CIE_Designation ☐

Robert Beach

From: Jason McCuen
Sent: Friday, March 31, 2017 4:03 PM
To: Robert Beach
Subject: 2016 FEC Permits (Voided)

IT16FR - PD to City Hall Return Fiber FEC Permit - Application ($5k) & ROE ($1.5k)		6,500.00
VOIDED - 09/20/2016		
IT16FR - PD to City Hall Return Fiber FEC Permit - Engineering Review		1,500.00
VOIDED - 09/20/2016		

Serving our Community with PRIDE!

Jason McCuen
Help Desk Technician
Information Technology
City of Cocoa
65 Stone St
Cocoa, FL 32922-7982

To initiate a tech support request, view or add notes of an existing ticket, or to provide feedback, please utilize the Help Desk Web Portal located at: http://mainv-app02.cocoafl.org/helpdesk/Forms/LoginPage.aspx

Access email on any internet platform:
Office Exchange Email: https://webmail.cocoafl.org
Office 365 Email: https://outlook.office365.com

Danella Construction Corporation of Florida Quote for:

City of Cocoa- Return path PD to City Hall

3/31/2017

Item #	Police Department to City Hall return Path - Construction	Qty	Unit	Amount	Ext.
1	Design new reroute	2150	Ft	$0.75	$1,612.50
2	permit new reroute	2150	Ft	$0.25	$537.50
3	adder- railroad crossing design - minimum charge	1500	Ft	$0.75	$1,125.00
4	adder- railroad crossing permit - minimum charge (not including permit fee)	1500	Ft	$0.25	$375.00
5	PE Stamp (if required)	1	Ea	$500.00	$500.00
6	Furnish & Directional Bore (1) 2" Duct	3160	Ft	$12.00	$37,920.00
7	Furnish & Install 24"x36"x18" handholes with 20k lids	5	Ea	$600.00	$3,000.00
8	Core bores	4	Ea	$100.00	$400.00
9	saw cut	200	sqft	$1.00	$200.00
10	Conc remo	150	Sqft	$3.50	$525.00
11	Conc replace	150	Sqft	$7.00	$1,050.00
12	Material - Conc	150	Sqft	$5.00	$750.00
13	asphalt remo	50	sqft	$2.50	$125.00
14	asphalt replace	50	sqft	$5.25	$262.50
15	material - asphalt	50	sqft	$5.00	$250.00
16	Install muletape - New	3160	Ft	$0.25	$790.00
17	Furnish & Install #12 tracer wire	3160	Ft	$0.35	$1,106.00
18	Furnish Install 144 Fiber optic cable to existing vaults in front of city hall & police - (collapsed into bldgs)	9075	Ft	$2.50	$22,687.50
19	Furnish & install 24 foc	715	Ft	$1.44	$1,029.60
20	Install splice case	2	Ea	$250.00	$500.00
21	Splice case 8.5x22	2	Ea	$706.20	$1,412.40
22	Install Splice trays	2	Ea	$55.00	$110.00
23	Fusion Splice fibers (24 per location)	96	Ea	$30.00	$2,880.00
24	Marker posts	10	Ea	$65.00	$650.00
25	Marker posts with test stations	2	Ea	$85.00	$170.00
26	Material - loaded 24 count fiber panel (existing rack)	1	Ea	$1,029.00	$1,029.00
27	12 port bulkhead for existing panel	2	Ea	$110.00	$220.00
28	24 pigtails for existing panel	24	Ea	$21.00	$504.00
29	splice tray for existing panel	1	Ea	$55.00	$55.00
30	Material - ground rods	5	Ea	$36.00	$180.00
		Construction Total			**$81,956.00**

NOTE:

Pricing is only vaild if direct awarded as a whole under palm coast contract piggyback

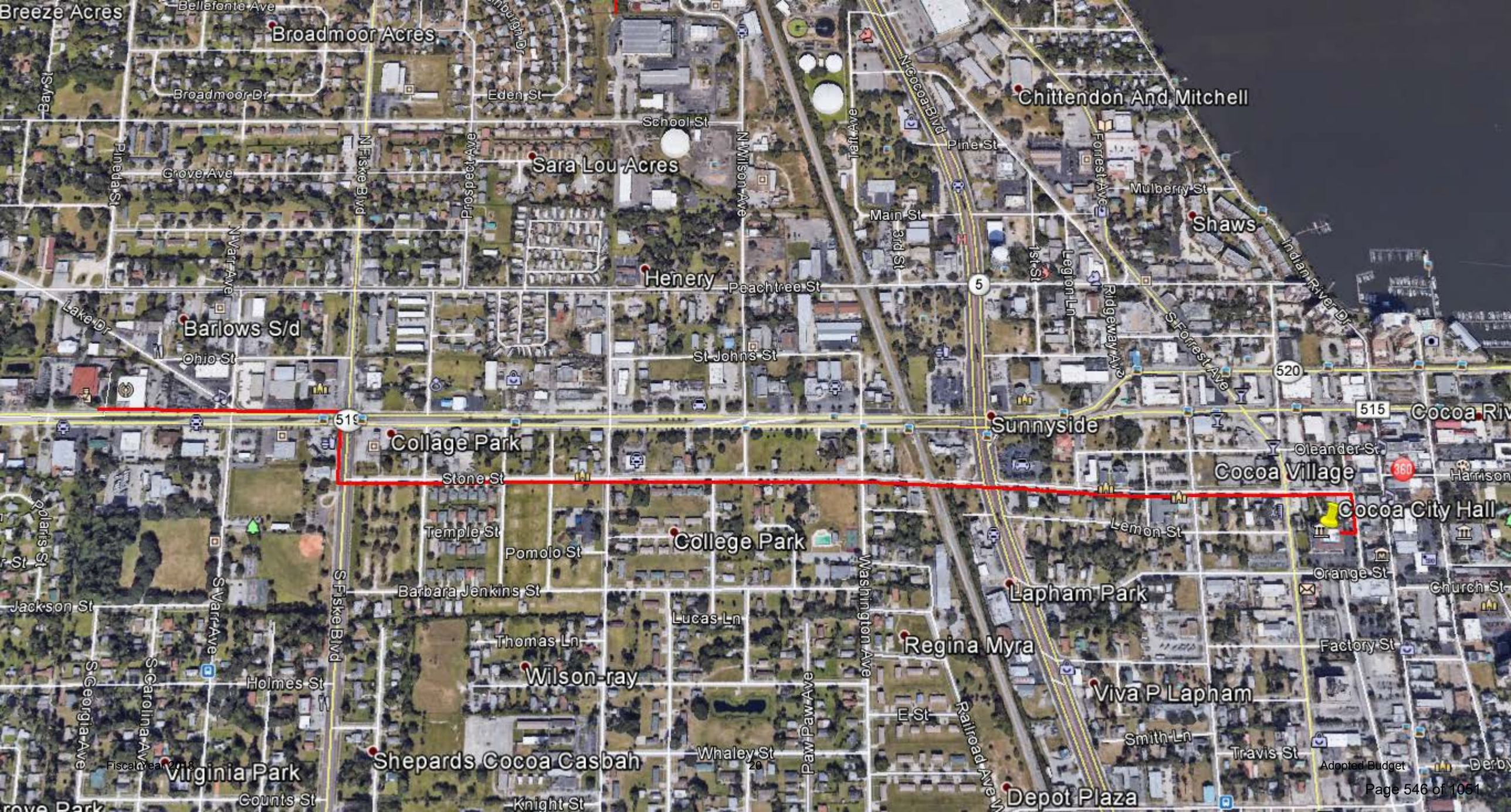
If project is bid out this propsal becomes null & void. A new proposal will be supplied with pricing specific to project and not palm coast contract rates.

Does not include city county or railroad permit fees. All permit fees to be paid by city directly.
includes terminating & splicing 24 of 144 fiber

Assumes existing conduit is usable & not damaged - starting at Fl & Orange st into city hall

Price does not include any rock adders in the event that rock is encountered in the process of boring.
Rates based on City of Palm Coast Contract

Dan Howick
Manager
Danella Construction Corporation of Florida, Inc
581 Washburn Road Melbourne, Fl. 32934
321-259-6124
dhowick@danella.com


Breeze Acres
Bellefonte Ave
Broadmoor Acres
Broadmoor Dr
Eden St
School St
Sara Lou Acres
Grove Ave
Pineda St
N Fiske Blvd
Prospect Ave
N Wilson Ave
Taft Ave
N Cocoa Blvd
Pine St
Chittendon And Mitchell
Forest Ave
Mulberry St
Shaws
Indian River Dr
Main St
3rd St
1st St
Legion Ln
Ridgeway Ave
S Forest Ave
Henery
Peachtree St
5
N Varr Ave
Lake Dr
Barlows S/d
Ohio St
St Johns St
520
515
519
Collage Park
Sunnyside
Cocoa Riv
Oleander St
Cocoa Village
360
Harrison
Stone St
Cocoa City Hall
Lemon St
Temple St
College Park
Pomolo St
Orange St
Church St
Polaris St
Barbara Jenkins St
Lapham Park
Jackson St
S Varr Ave
S Fiske Blvd
Lucas Ln
Washington Ave
Thomas Ln
Regina Myra
Factory St
Holmes St
Wilson-ray
Viva P Lapham
S Georgia Ave
S Carolina Ave
E St
Railroad Ave
Smith Ln
Travis St
Whaley St
Shepards Cocoa Casbah
Pawpaw Ave
Virginia Park
Counts St
Knight St
Depot Plaza

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Laptops for Officers/Patrol Vehicles FY Start 2018 Quarter Q4

Project Location: Police Department FY End 2018 Quarter Q1

Project Description

Ten new laptops will be purchased each year for patrol officers to replace laptops that are worn and have fulfilled their life span. Additionally, this would equip the vehicles with the proper laptop mounts for the new vehicles and laptops.

Project Justification

This is necessary to keep up with the technology of the times and to update old worn out equipment. Additionally, this project will assist the police department in having the proper mounting systems for the laptops in the vehicles. The total recurring operating costs, ($12,300) we are currently already paying.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$260,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$52,000

Recurring Annual Costs

Operating	$12,300
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$12,300

Capital Costs and Proposed Financing by Fiscal Year

2018	$52,000	Revenue
2019	$52,000	Revenue
2020	$52,000	Revenue
2021	$52,000	Revenue
2022	$52,000	Revenue
Total Capital Costs	$260,000	

Financing Comments

Once the project is approved, a specific vehicle type is necessary in order to properly quote the kit (make, model, year, etc.). DV grant applied for and is anticipated to cover a portion of the acquisition.

CIE_Designation ☐

QUOTE CONFIRMATION

CDW•G PEOPLE WHO GET IT

DEAR CITY OF COCOA,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX898	3/8/2017	PANASONIC CF54	5938989	$35,264.25

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	4379459	$3,800.00	$26,600.00
Havis PKG-PSM-203 - mounting kit Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	2144721	$412.75	$2,889.25
Havis CF-H-PAN-422-2-P - port replicator Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	3723657	$825.00	$5,775.00

PURCHASER BILLING INFO		
Billing Address: CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 **Phone:** (321) 433-8558 **Payment Terms:** Request Terms	**SUBTOTAL**	$35,264.25
	SHIPPING	$0.00
	GRAND TOTAL	**$35,264.25**
DELIVER TO	**Please remit payments to:**	
Shipping Address: CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

John Vrablik | (877) 466-6333 | johnvra@cdwg.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at http://www.cdwg.com/content/terms-conditions/product-sales.aspx
For more information, contact a CDW account manager

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QUOTE CONFIRMATION

DEAR CITY OF COCOA,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX869	3/8/2017	PANASONIC CF54	5938989	$125,943.75

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	4379459	$3,800.00	$95,000.00
Havis PKG-PSM-203 - mounting kit Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	2144721	$412.75	$10,318.75
Havis CF-H-PAN-422-2-P - port replicator Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	3723657	$825.00	$20,625.00

PURCHASER BILLING INFO		
Billing Address: CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 **Phone:** (321) 433-8558 **Payment Terms:** Request Terms	**SUBTOTAL**	$125,943.75
	SHIPPING	$0.00
	GRAND TOTAL	**$125,943.75**
DELIVER TO	**Please remit payments to:**	
Shipping Address: CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

John Vrablik | (877) 466-6333 | johnvra@cdwg.com

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Refabricate SWAT Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Refabricate the gray SWAT Van

Project Justification

Enables the Police Department to sustain services to citizens. This vehicle will refabricate current vehicle #267 which is the SWAT van. It is in need of refabrication due to the fact that it is a 1990 Ford P30 Van and has over 100,000 miles on it.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$100,000	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

We were unable to obtain a quote with the vendor - this is an estimate only.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #245, patrol vehicle

Project Justification

Enables the Police Department to sustain services to Citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

COMPANY: 001 - City of Cocoa Active Fleet FY-2017 CIP

DEPARTMENT: 2100 - Cocoa Police

VEH#	YR	MAKE	MODEL	VIN		TYPE	AGE	MTR	MNT	COND	TOTAL	REPLACE	REP-COST	ANY CAPITALIZATIONS
225	2005	CHEVY	IMPALA	2G1WF52KX59378627	A	SUPPORT SER	5.0	5.0	8.4	0.0	18.4	02/21/2017	$22,900	
213	2006	CHEVY	IMPALA	2G1WS551169377253	A	CIV - ADMIN	5.0	3.0	5.6	0.0	13.6	02/21/2018	$23,500	
269	2007	CHEVY	IMPALA	2G1WS55R179197648	A	CPD DET	5.0	3.6	4.7	0.0	13.3	03/21/2018	$23,900	
245	2008	CHEVY	IMPALA	2G1WS553989247774	A	SGT MARKED	4.5	2.9	5.7	0.0	13.1	05/21/2018	$33,818	
238	2008	CHEVY	IMPALA	2G1WS553X89247962	A	SGT MARKED	4.5	2.8	5.2	0.0	12.5	09/21/2018	$33,818	
265	2007	CHEVY	IMPALA	2G1WS55R379192998	A	CPD DET	5.0	3.1	4.5	0.0	12.6	09/21/2018	$27,324	
286	2010	CHEVY	IMPALA	2G1WD5EM9A1146452	A	CPD PATROL	3.2	3.4	7.4	-1.0	13.0	10/21/2018	$32,818	TRANSMISSION
203	2007	CHEVY	IMPALA	2G1WS55R779196150	A	CPD ADMIN	4.1	2.8	5.9	0.0	12.8	11/21/2018	$27,460	
287	2008	CHEVY	IMPALA	2G1WS553781198122	A	SGT MARKED	4.5	2.6	5.2	0.0	12.3	11/21/2018	$33,818	REPAINTED - BLACK
219	2008	FORD	TAURUS	1FAHP24W58G161851	A	LT - ADMIN	4.2	3.9	4.2	0.0	12.3	01/21/2019	$25,900	
236	2008	CHEVY	IMPALA	2G1WS553789250902	A	CPD PATROL	4.5	3.2	4.0	0.0	11.7	02/21/2019	$33,818	REPAINTED - BLACK
299	2010	CHEVY	IMPALA	2G1WD5EM4A1147542	A	CPD PATROL	3.5	4.0	4.5	0.0	12.0	02/21/2019	$34,500	
212	2004	CHEVY	IMPALA	2G1WF52K949332706	A	CIV - ADMIN	5.0	2.8	4.0	0.0	11.8	03/21/2019	$23,900	
298	2010	CHEVY	IMPALA	2G1WD5EM2A1146034	A	CPD PATROL	3.5	3.2	5.1	0.0	11.8	03/21/2019	$34,500	
288	2009	CHEVY	IMPALA	2G1WS57M191295856	A	CPD PATROL	3.9	3.1	4.7	0.0	11.7	04/21/2019	$34,500	
228	2007	CHEVY	IMPALA	2G1WS55R879192589	A	SGT MARKED	4.7	3.5	6.4	-2.0	12.6	05/21/2019	$32,818	REPAINTED - BLACK
297	2010	CHEVY	IMPALA	2G1WD5EM7A1147664	A	CPD PATROL	3.5	2.8	5.0	0.0	11.3	07/21/2019	$34,500	
229	2008	CHEVY	IMPALA	2G1WS553581269592	A	CIV - ADMIN	4.1	3.6	3.3	0.0	11.0	12/21/2019	$25,900	
262	2009	CHEVY	IMPALA	2G1WB57K091250762	A	CPD DET	4.1	3.0	3.5	0.0	10.6	01/21/2020	$25,900	
206	2010	CHEVY	IMPALA	2G1WD5EMXA1252974	A	SGT MARKED	2.9	2.3	5.4	0.0	10.6	04/21/2020	$35,200	REPAINTED - BLACK
257	2010	CHEVY	IMPALA	2G1WD5EM0A1146551	A	CPD PATROL	2.8	3.3	4.9	0.0	11.0	05/21/2020	$35,200	
276	2009	CHEVY	IMPALA	2G1WB57K491248030	A	CPD DET	4.1	3.1	2.9	0.0	10.1	05/21/2020	$25,900	
294	2010	CHEVY	IMPALA	2G1WD5EM3A1146575	A	CPD PATROL	3.5	2.4	3.6	0.0	9.5	09/21/2020	$35,200	
230	2009	CHEVY	IMPALA	2G1WS57M191261156	A	CPD PATROL	3.7	2.4	3.6	0.0	9.7	11/21/2020	$35,200	
252	2011	CHEVY	IMPALA	2G1WD5EM1B1184047	A	CPD PATROL	3.1	3.0	3.1	0.0	9.2	12/21/2020	$35,200	
274	2010	CHEVY	IMPALA	2G1WD5EM4A1181240	A	SGT MARKED	3.3	2.1	3.2	0.0	8.6	05/21/2021	$35,200	REPAINTED - BLACK
256	2013	FORD	POLICE INTERCEP	1FAHP2L82DG201851	A	CPD PATROL	2.0	2.5	3.4	0.0	7.9	10/21/2021	$35,200	
244	2013	FORD	POLICE INTERCEP	1FAHP2L84DG201849	A	CPD PATROL	2.0	2.5	2.7	0.0	7.2	04/21/2022	$35,200	
VEHICLE COUNT: 28													$873,092	

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace Vehicle #238, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #286, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$32,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #287, patrol vehicle

Project Justification

Enables the Police Department to sustain services to Citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #236, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$33,818	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #299, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #288, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #228, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$32,818	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #297, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle #206, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle # 257, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to purchasing so many vehicles in FY16 we are reqesting that the purchase of this vehicle be moved back a year.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle # 294, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to a large acquisition of vehicles in FY16 we are requesting that the purchase of this vehicle be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle #230, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #252, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #274, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #256, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisiton of vehicles in FY 16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #244, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: P25 Radio Replacement FY Start 2020 Quarter Q4

Project Location: City of Cocoa Police Department FY End 2020 Quarter Q1

Project Description

Project 25 Radio replacement

Project Justification

This CIP is for radio replacement for the original 2014 portable radios that were purchased. The State of Florida recommends replacement of a portable radio every 6 years. We purchased 26 portables in 2014 and the quote is for 15 replacement radios.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$105,542	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$1,800
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,800

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$52,771	Revenue
2022	$52,771	Revenue
Total Capital Costs	$105,542	

Financing Comments

CIE_Designation ☐

COMMUNICATIONS INTERNATIONAL

4045 Pines Industrial Avenue
Rockledge, FL 32955
Voice: 321.636.9885 Fax: 321.636.7720

QUOTATION

Page	1/2
Date	2/17/2017
Quote Number	QTE1700296

Bill To	Cocoa Police Department Susan Austin 65 Stone St Cocoa, FL, 32922 USA
Site	Cocoa Police Department 65 Stone Street Cocoa, FL, 32922 USA
Contact	Voice: Fax:

Site Number	Description	Salesperson	Reference
COC130MAIN	XG75P Portable	Grayson, Garin L.	Budgetary FY 2020

Description	Qty	Unit	Sale Price	Total
XG75P Scan Portable Package				
EVXGPB78B - Portable XG-75, 764-870 MHz, Scan, Black - The below zero dollar items are included in the package purchase.	15	Each	3,330.41	49,956.15
MAEVNPL3R - Feature, Maximum (1024+) Systems/Groups	15	Each	0.00	0.00
EVP25ED - FEATURE PACKAGE,P25 TRUNKING & EDACS	15	Each	0.00	0.00
EVPRO - Feature, Provoice	15	Each	0.00	0.00
EVXGNPL4F - Feature Package, P25 PHASE 2 TDMA	15	Each	0.00	0.00
MAEVNPL7G - Feature,ESK/P25 Personality Lock	15	Each	0.00	0.00
MAEVPKG8F - Feature, Encryption (includes 256-B AES Encryption for P25 T	15	Each	0.00	0.00
MAEVNPL5K - Feature, Profile OTAP Over the Air Programming	15	Each	0.00	0.00
EVPA3R - Battery,Li-Ion,2400mAH	15	Each	0.00	0.00
MAEVNNC5X - Antenna, 764-870 MHz, 1/4 Wave Whip (KRE10115062)	15	Each	0.00	0.00
MAEVNHC2G - Belt Clip, Standard (CC23894)	15	Each	0.00	0.00
FM014712 - Cover, UDC Weather Proof, P5300/P5400	15	Each	0.00	0.00
MAEVNCH9T - Charger, Single, Tri-Chemistry (CH104560 007)	15	Each	0.00	0.00

COMMUNICATIONS INTERNATIONAL

4045 Pines Industrial Avenue
Rockledge, FL 32955
Voice: 321.636.9885 Fax: 321.636.7720

QUOTATION

Page	2/2
Date	2/17/2017
Quote Number	QTE1700296

Description	Qty	Unit	Sale Price	Total
V210438 - Evolution Speaker Mic, Coil Cord, E-Button, 2.5mm,P5400/7300	15	Each	108.12	1,621.80
E110009 - EARPHONE KIT 2.5, R/A 30" COILED CORD	15	Each	40.32	604.80
Program, Portable Scan	15	Each	32.50	487.50
Shipping and Handling - Shipping and handling is based upon quantity ordered and subject to change. - Allow 8 - 10 weeks delivery after order. - BUDGETARY ONLY	1	Each	100.00	100.00
			Subtotal:	52,770.25

Prices quoted are valid for (30) Days from Document Date.
Orders may be subject to shipping & handling charges.
All warranties are manufacture's warranties.

Plus Tax	0.00
Total Due (USD)	52,770.25

By signing this Quotation and/or submitting a purchase order pursuant to this Quotation you acknowledge that you have read and agree to be bound by Communications Int'l. Inc.'s Terms and Conditions of Sale Service and Technical Support.

Communications Control Centers (dispatch rooms) will be sized from actual floor plan drawings, showing all required consoles with chair space and all other required furniture and equipment. In the event this information is not available, there should be an allowance for a range of 100 to 120 square feet for each position. Allocation includes room for chair movement and access to the console electronics.

The Department recommends that new radio communications equipment or facilities be purchased with additional capacity and/or features in order to minimize obsolescence. With the universal utilization of computers, CRT consoles with modular furniture are recommended for their potential to save space and add to the overall efficiency of the dispatch environment.

I. Communications Equipment Life Cycle

Communications equipment should be in an environmental controlled facility unless the equipment is rated for outside operations.

3.0 RADIO EQUIPMENT REPLACEMENT POLICY

The Department of Management Services (the Department) has established guidelines for the replacement of communications equipment. Specific situations that warrant equipment replacement (with proper maintenance) are listed below:

1. Equipment has reached the age listed below although it may not have been in continuous use:

Type of Equipment	**Age (Years)**
Mobile Radios	8
Portable Radios	6
Base and Control Station Radios	10
Transmitter combiners	10
Antennas and Transmission Lines	
Within 10 miles of bodies of salt water	10
Other locations	12
Antenna Towers	
Within 10 miles of bodies of salt water	15
Other locations	20
Antenna Tower Lighting Systems	10

Type of Equipment	Age (Years)
Control consoles	10
Logging Recorders	10
Instant Recall Recorders	6
Prefabricated Equipment Shelters	15
Standby Emergency Power Generators	
Within 10 miles of bodies of salt water	8
Other locations	12
Microwave Equipment	15

2. Based on an investigation by the Department or a written statement of need from an agency, the Department may recommend an earlier than normal replacement schedule in situations where equipment is damaged, abnormally worn, or technically obsolete.

3. The Department recognizes that adequate preventative maintenance programs will extend the usable life of equipment beyond the times schedules above and therefore encourages agencies to develop and implement such programs. In such cases longer replacement schedules will be considered.

4. For large systems, phased replacement schedules may be necessary for economic reasons. Thus, the Department will consider earlier replacement schedules for a portion of the system equipment such that the last equipment to be replaced will not be older than three years beyond the normal replacement schedule.

4.0 RADIO FREQUENCY *BUY OUT* POLICY

When an agency needs to implement a new radio system or to expand an existing one in certain situations, the shortage of available radio channels may preclude a straightforward implementation or expansion. In such cases, the most economical alternative may be the relocation of an existing radio user from one channel to another, in order to free up a channel for the agency planning to implement or expand. When feasible, The Department of Management Services will support such an arrangement and may recommend that the agency purchase new radio equipment for the user being relocated, in exchange for the user's current radio channels and radio equipment.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: LifePak 15 V4 Monitor/Defibrillator FY Start 2018 Quarter Q3

Project Location: Fire Department FY End 2018 Quarter Q1

Project Description

Purchase a LifePak 15 V4

Project Justification

The purchase of the Life Pak 15 will give us a backup unit when one of our LifePaks units is down for repair. The only unit we have for a back up is past its useful life. We can also use the new unit for training paramedics as it matches the capabilities of our current units.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$43,019	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$43,019

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$43,019	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$43,019	

Financing Comments

CIE_Designation ☐

Physio-Control, Inc
11811 Willows Road NE
P.O. Box 97006
Redmond, WA 98073-9706 U.S.A.
www.physio-control.com
tel 800.442.1142
Sales Order fax 800.732.0956
Service Plan fax 800.772.3340

To	CITY OF COCOA FD Attn: Brad Hall, District Chief 114 1ST ST COCOA,FL 32922 (321) 639-7605 bhall@cocoafl.org	Quote Number	00070710
		Revision #	1
		Created Date	2/17/2017
		Sales Consultant	Susan Cote (407) 497-2636
		FOB	Destination
		Terms	All quotes subject to credit approval and the following terms and conditions
		NET Terms	NET 30
Contract	NASPO #SW300 v2	Expiration Date	5/18/2017

Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
99577-001588	LIFEPAK 15 V4 Monitor/Defib, Adaptive Biphasic, Manual & AED, Color LCD, 100mm Printer, Noninvasive Pacing, Metronome, Trending, SpO2, NIBP, 12-Lead ECG, EtCO2, Carbon Monoxide, MetHemoglobin, Bluetooth INCLUDED AT NO CHARGE: 2 PAIR QUIK-COMBO ELECTRODES PER UNIT - 11996-000091, TEST LOAD - 21330-001365, IN-SERVICE DVD - 21330-001486 (one per order) , SERVICE MANUAL CD- 26500-003612 (one per order) and SHIP KIT (RC Cable) 41577-000288 INCLUDED. HARD PADDLES, BATTERIES AND CARRYING CASE NOT INCLUDED.	1.00	38,425.00	-5,424.91	33,000.09	33,000.09
11140-000015	AC power cord	1.00	81.00	-16.03	64.97	64.97
11140-000052	LP15 REDI-CHARGE Adapter Tray	1.00	206.00	-39.94	166.06	166.06
11141-000115	REDI-CHARGE Base (power cord not included)	1.00	1,520.00	-294.42	1,225.58	1,225.58
21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	4.00	469.00	-99.58	369.42	1,477.68
11160-000013	NIBP CUFF-REUSEABLE,CHILD, BAYONET	1.00	24.00	-3.60	20.40	20.40
11160-000017	NIBP CUFF-REUSEABLE, LARGE ADULT, BAYONET	1.00	33.00	-4.95	28.05	28.05
11171-000046	M-LNCS DCI, Adult Reusable Sensor, 1/box	1.00	301.00	-45.15	255.85	255.85
11171-000049	Rainbow DCI Adt Reusable Sensor, 1/box	1.00	640.00	-98.55	541.45	541.45
11577-000002	LIFEPAK 15 Basic carry case w/ right & left pouches. INCLUDED AT NO CHARGE WHEN ORDERED WITH DEVICE: 11577-000001 Shoulder Strap	1.00	320.00	-57.18	262.82	262.82
11220-000028	Carry case top pouch for use w/LIFEPAK 12 or LIFEPAK 15	1.00	57.00	-10.59	46.41	46.41
11260-000039	LIFEPAK 15 Carry case back pouch	1.00	82.00	-14.68	67.32	67.32
LP15-OSCOMP-4-POS	LIFEPAK 15 Service - 4 YEAR. On-site Comprehensive Coverage. Annual Payments.	1.00	6,896.00	-1,034.40	5,861.60	5,861.60

Subtotal	USD 43,018.28
Estimated Tax	USD 0.00
Estimated Shipping & Handling	USD 0.00
Grand Total	USD 43,018.28

Pricing Summary Totals

List Price Total	USD 50,461.00
Total Contract Discounts Amount	USD -7,442.72
Total Discount	USD 0.00
Trade In Discounts	USD 0.00
Tax + S&H	USD 0.00

GRAND TOTAL FOR THIS QUOTE

USD 43,018.28

PHYSIO-CONTROL, INC. REQUIRES WRITTEN VERIFICATION OF THIS ORDER. A PURCHASE ORDER IS REQUIRED ON ALL ORDERS $5,000 OR GREATER BEFORE APPLICABLE FREIGHT AND TAXES. THE UNDERSIGNED IS AUTHORIZED TO ACCEPT THIS ORDER IN ACCORDANCE WITH THE TERMS AND PRICES DENOTED HEREIN.

_____
CUSTOMER APPROVAL (AUTHORIZED SIGNATURE)

_____
NAME

_____
TITLE

_____
DATE

Reference Number SC/14366702/125499

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Pricing. Prices do not include freight insurance, freight forwarding fees, taxes, duties, import or export permit fees, or any other similar charge of any kind applicable to the goods and services. Sales or use taxes on domestic (USA) deliveries will be invoiced in addition to the price of the goods and services unless Physio receives a copy of a valid exemption certificate prior to delivery. Discounts may not be combined with other special terms, discounts, and/or promotions.
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Minimum Order Quantity. Physio reserves the right to charge a service fee for any order less than $200.00.
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Limited Warranty. Physio warrants its products and services in accordance with the terms of the limited warranties located at http://www.physio-control.com/Documents/. The remedies provided under such warranties shall be Buyer's sole and exclusive remedies. Physio makes no other warranties, express or implied, including, without limitation, **NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT SHALL PHYSIO BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR OTHER DAMAGES.**
Compliance with Confidentiality Laws. Both parties acknowledge their respective obligations to maintain the security and confidentiality of individually identifiable health information and agree to comply with applicable federal and state health information confidentiality laws.
Compliance with Law. The parties agree to comply with any and all laws, rules, regulations, licensing requirements or standards that are now or hereafter promulgated by any local, state, and federal governmental authority/agency or accrediting/administrative body that governs or applies to their respective duties and obligations hereunder.
Regulatory Requirement for Access to Information. In the event 42 USC § 1395x(v)(1)(I) is applicable, Physio shall make available to the Secretary of the United States Department of Health and Human Services, the Comptroller General of the United States General Accounting Office, or any of their duly authorized representatives, a copy of these terms, such books, documents and records as are necessary to certify the nature and extent of the costs of the products and services provided by Physio.
No Debarment. Physio represents and warrants that it and its directors, officers, and employees (i) are not excluded, debarred, or otherwise ineligible to participate in the Federal health care programs as defined in 42 USC § 1320a-7b(f); (ii) have not been convicted of a criminal offense related to the provision of healthcare items or services; and (iii) are not under investigation which may result in Physio being excluded from participation in such programs.
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In addition to the General Terms above, the following terms apply to all purchases of products from Physio:
Delivery. Unless otherwise specified by Physio in writing, delivery shall be FOB Physio point of shipment and title and risk of loss shall pass to Buyer at that point. Partial deliveries may be made and partial invoices shall be permitted and shall become due in accordance with the payment terms. In the absence of shipping instructions from Buyer, Physio will obtain transportation on Buyer's behalf and for Buyer's account. Delivery dates are approximate. Freight is pre-paid and added to Buyer's invoice. Products are subject to availability.
Inspections and Returns. Within 30 days of receipt of a shipment, Buyer shall notify Physio of any claim for product damage or nonconformity. Physio, at its sole option and discretion, may repair or replace a product to bring it into conformity. Return of any product shall be governed by the Returned Product Policy located at http://www.physio-control.com/Documents/. Payment of Physio's invoice is not contingent on immediate correction of nonconformities.
No Resale. Buyer agrees that products purchased hereunder will not be resold to third parties and will not be reshipped to any persons or places prohibited by the laws of the United States of America.

Additional Terms for Purchase and Sale of Service Plans.
In addition to the General Terms above, the following terms apply to all Physio Service Plans.
Service Plans. Physio shall provide services according to the applicable Service Plan purchased by Buyer and described at http://www.physio-control.com/ServicePrograms.aspx for the length of the subscription purchased and for the devices specified as covered by the Service Plan ("Covered Equipment").
Pricing. If the number or configuration of Covered Equipment changes during the Service Plan subscription, pricing shall be pro-rated accordingly. For Preventative Maintenance, Inspection Only, Comprehensive, and Repair & Inspect Service Plans, Buyer is responsible to pay for preventative maintenance and inspections that have been performed since the last anniversary of the subscription start date and such services shall not be pro-rated.
Device Inspection Before Acceptance. All devices that are not covered under Physio's Limited Warranty or a current Service Plan must be inspected and repaired (if necessary) to meet specifications at then-current list prices prior to being covered under a Service Plan.
Unavailability of Covered Equipment. If Covered Equipment is not made available at a scheduled service visit, Buyer is responsible to reschedule with the Physio Service Technician, or ship-in the Equipment to a Physio service depot. Physio reserves the right to charge Buyer a surcharge for a return visit. Surcharges will be based on then-current Physio list price of desired services, less 10% for labor and 15% for parts, plus applicable travel costs. The return visit surcharge will be in addition to the subscription price of the Service Plan. To avoid the surcharge, Buyer may ship devices to a Physio service depot. Buyer shall be responsible for round-trip freight for ship-in service.
Unscheduled or Uncovered Services. If Buyer requests services to be performed on Covered Equipment which are not covered by a Service Plan, or are outside of designated Services frequency or hours, Physio-Control will charge Buyer for such services at 10% off Physio-Control's standard rates (including overtime, if appropriate) and applicable travel charges. Repair parts required for such repairs will be made available at 15% off the then-current list price.
Loaners. If Covered Equipment must be removed from service to complete repairs, Physio will provide Buyer with a loaner device, if one is available. Buyer assumes complete responsibility for the loaner and shall return the loaner to Physio in the same condition as received, normal wear and tear exempted, upon the earlier of the return of the removed Covered Equipment or Physio's request.
Cancellation. Buyer may cancel a Service Plan upon sixty (60) days' written notice to Physio. In the event of such cancellation, Buyer shall be responsible for the portion of the designated price which corresponds to the portion of the Service Plan subscription prior to the effective date of termination and the list-price cost of any preventative maintenance, inspections, or repairs rendered after the last anniversary date of the subscription start date.
No Solicitation. During the Service Plan subscription and for one (1) year following its expiration Buyer agrees to not to actively and intentionally solicit anyone who is employed by Physio to provide services such as those described in the Service Plan.

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PRODUCT BROCHURE

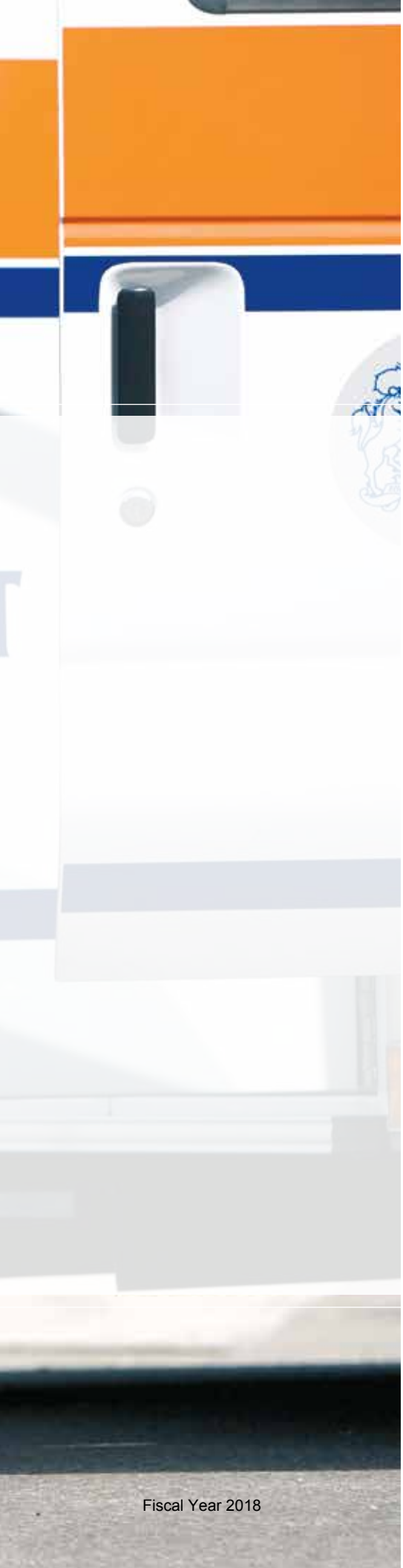


LIFEPAK® 15 MONITOR/DEFIBRILLATOR

For Emergency Medical Services



When you respond to emergencies, you need the most advanced monitor/defibrillator that sets the standard in innovation, operations and toughness.



The LIFEPAK 15 monitor/defibrillator delivers.

Physio-Control defibrillators have set the standard for six decades, and the latest version of the LIFEPAK® 15 monitor/defibrillator raises the bar. As our most advanced emergency response monitor/defibrillator, the LIFEPAK 15 device balances sophisticated clinical technologies and supreme ease of use in a device that's tough enough to stand up to your most challenging environments. Evolving from its original platform, the *15* features temperature monitoring and external power to complement 360J of energy and 12-lead ECG transmission capability. And that means your team can be even more effective.

A LIFEPAK device never stands on its own—and the LIFEPAK 15 monitor is no different. Physio-Control is committed to providing innovative solutions for emergency response care, from first responders to throughout the hospital.

Our products have helped save tens of thousands of lives. We're proud to continue this work with the features in the LIFEPAK 15 monitor/defibrillator.

The standard in clinical innovation.

The pioneer in portable defibrillation and monitoring technology, Physio-Control is committed to creating technologies and devices that change the way you provide emergency care. You can see the results in the latest version of the LIFEPAK 15 monitor/defibrillator, which sets the standard in innovation—yet again.







Advanced monitoring parameters

With more monitoring capabilities than any other monitor/defibrillator, the *15* gives you $EtCO_2$ with continuous waveform capture. Masimo® Rainbow® technology helps you detect hard-to-diagnose conditions and improve patient care with noninvasive monitoring of carbon monoxide, SpO_2 and methemoglobin. In addition, the *15* offers temperature monitoring—and like other data, you can transmit it to other systems, trend it, or display for post-event review in CODE-STAT™ data review software.

Advanced support for treating cardiac patients

The *15* continuously monitors all 12 leads in the background and alerts you to changes using the ST-Segment trend monitoring feature, after acquiring the initial 12-lead. Additionally, STJ values are included on the 12-lead printout to help you identify changes. The *15* also works seamlessly with the web-based LIFENET System 5.0, so you can automatically share critical patient data with multiple patient care teams.

Full energy up to 360 joules, for every patient who needs it

The LIFEPAK 15 monitor/defibrillator features 360J biphasic technology, which gives you the option of escalating your energy dose up to 360J for difficult-to-defibrillate patients. Why is this necessary? Recent studies have shown that refibrillation is common among VF cardiac arrest patients and that defibrillation of recurring episodes of VF is increasingly difficult. A randomized controlled clinical trial shows the rate of VF termination was higher with an escalating higher energy regimen of 200J and over.[1]

Proven CPR guidance and post event review

The CPR Metronome in the LIFEPAK 15 monitor uses audible prompts to guide you without distracting vocal critique. A metronome has been a feature that has been demonstrated to help professionals perform compressions and ventilations within the recommended range of the 2015 AHA Guidelines. Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.[2,3,4] And by transmitting code data directly to CODE-STAT Data Review software, EMS personnel can review CPR statistics and provide training and feedback where it is most needed.

Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.[2,3,4]




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SpO2
12-LEAD
TRANSMIT


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PACER
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The standard in operational effectiveness.

Flexible, connected and easy to use, the LIFEPAK 15 monitor/defibrillator was designed based on the feedback and needs specific to working in the field.

Dual-mode LCD screen with SunVue™ display

Switch from full-color to high-contrast SunVue mode with a single touch for the best full-glare view in the industry. A large screen (8.4 inches diagonally) and full-color display provide maximum viewability from all angles.

Flexible power options

Choose between external worldwide AC or DC power, or use the latest Lithium-ion dual battery technology for up to six hours of power. The LIFEPAK 15 monitor's two-battery system requires no maintenance or conditioning, and allows you to charge batteries in the device. In addition, you can track the status and service life of your batteries using LIFENET® Asset, part of the LIFENET System data network.

Data connectivity

The *15* collects code summaries and equipment status data along with critical clinical information as you treat patients. Using LIFENET Connect, part of the LIFENET System data network, the code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software. Your equipment manager can also view equipment status on the LIFENET System 5.0 using LIFENET Asset and alert you to any potential issues.

Code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software.

Upgradable platform

The *15* platform is flexible enough to adapt to evolving protocols and new guidelines, and can be upgraded as you're ready to deliver new capabilities. With more processing power and speed, the *15* is designed to grow as your needs change, helping you avoid costly premature replacements.

Attention to detail

The LIFEPAK 15 monitor is designed based on field feedback to make it a more effective tool. The *15* has a larger handle for easier handoffs, an easy to clean keypad, and a common interface to the LIFEPAK 12 defibrillator/monitor that helps reduce training.

The standard in toughness.

We believe LIFEPAK equipment should live up to the highest expectations of those working in the harshest settings. The *15* is LIFEPAK TOUGH, with improved ruggedness and durability you can rely on.

Works when dropped, kicked, soaked or dirty

The LIFEPAK 15 monitor/defibrillator passes 30-inch drop tests, which is equal to falling off a cot or dropping it in transit. And with an IP44 rating, it doesn't matter how wet or dirty it gets, so you can keep working in steady wind, rain and other harsh environments.

Toughened inside and out

We heard from emergency response teams that they wanted a tougher device—so we added a shock-absorbing handle, a double-layer screen that can take a beating from doorknobs and cot handles, and redesigned cable connections for confident monitoring and therapy delivery.

Unmatched field service

The unit's self-checking feature alerts our service team if the device needs attention. Our on site maintenance and repair, access to original manufacturer parts, and highly trained, experienced service representatives give you the peace of mind that your LIFEPAK 15 monitor will be ready when you need it.*



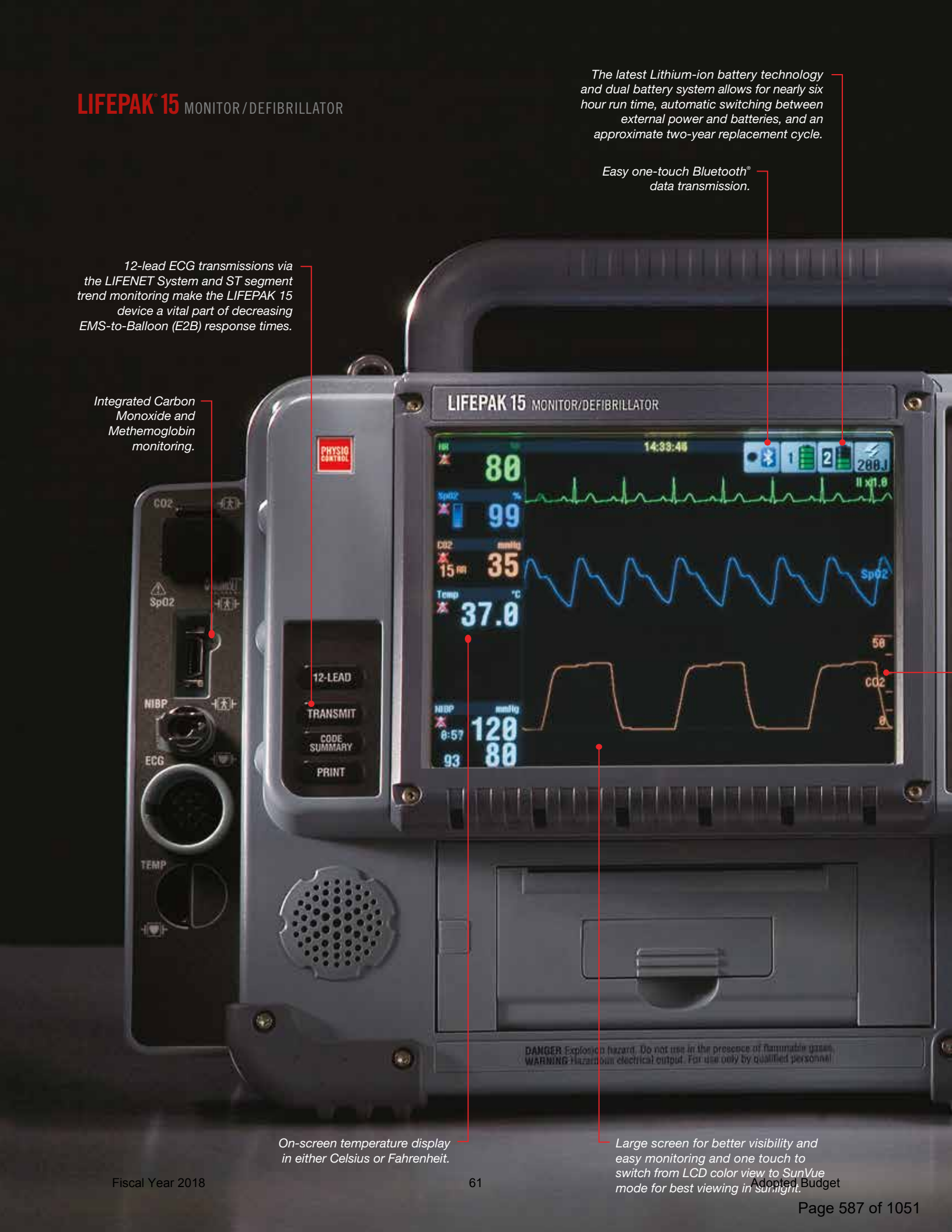
Data connectivity


LIFEPAK TOUGH™


Dual-mode LCD screen with SunVue display

** A variety of customized service options are available.*

LIFEPAK® 15 MONITOR/DEFIBRILLATOR



The latest Lithium-ion battery technology and dual battery system allows for nearly six hour run time, automatic switching between external power and batteries, and an approximate two-year replacement cycle.

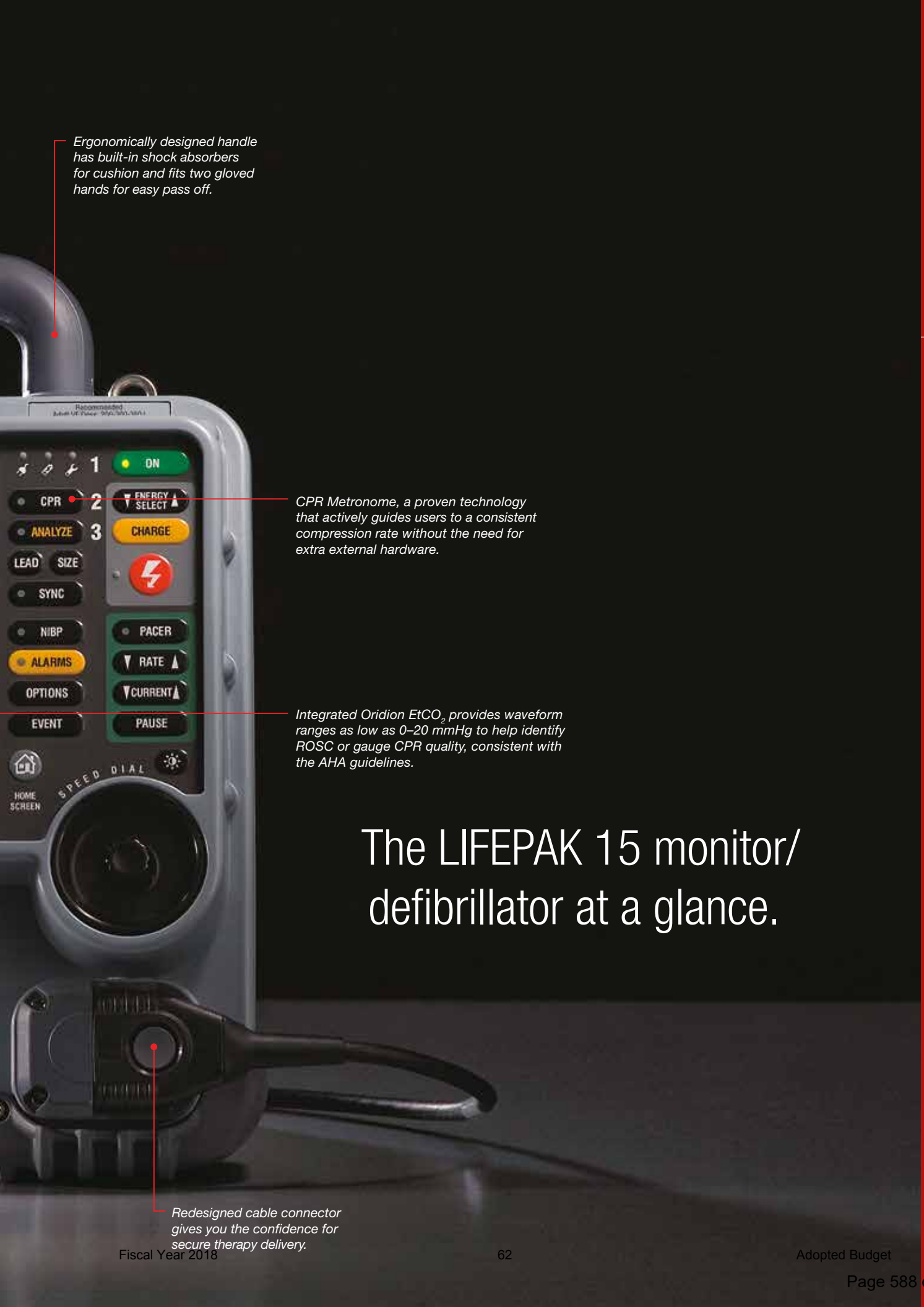
Easy one-touch Bluetooth® data transmission.

12-lead ECG transmissions via the LIFENET System and ST segment trend monitoring make the LIFEPAK 15 device a vital part of decreasing EMS-to-Balloon (E2B) response times.

Integrated Carbon Monoxide and Methemoglobin monitoring.

On-screen temperature display in either Celsius or Fahrenheit.

Large screen for better visibility and easy monitoring and one touch to switch from LCD color view to SunVue mode for best viewing in sunlight.



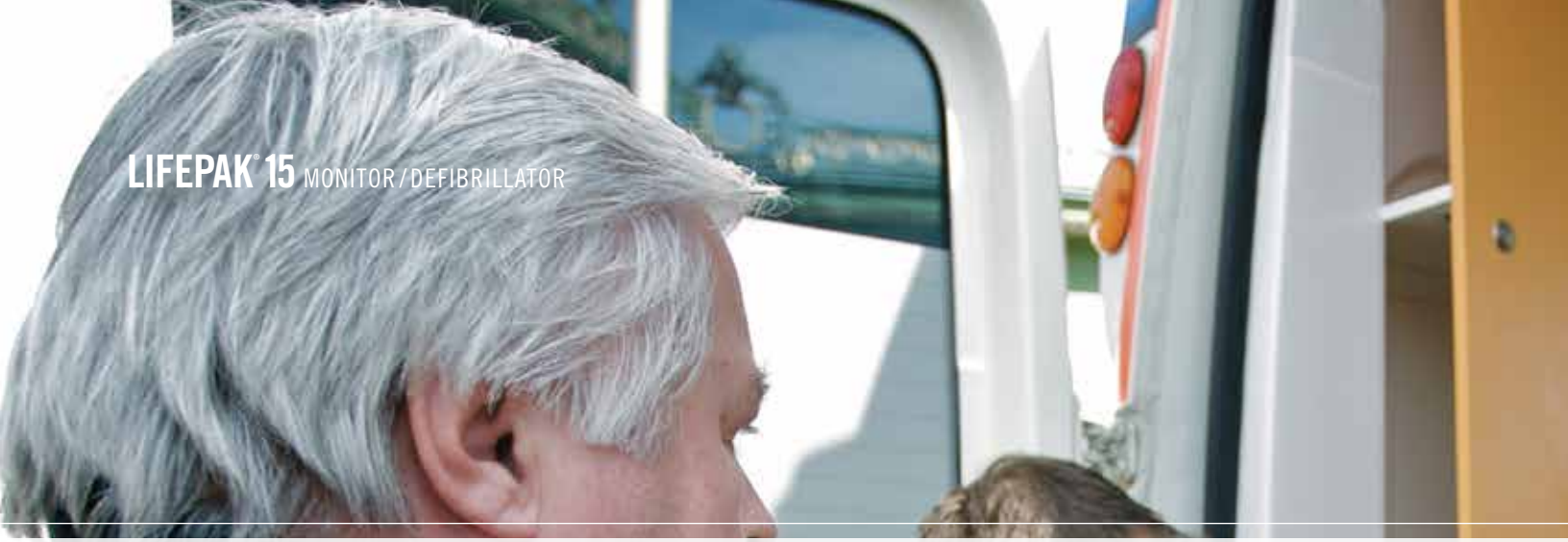
Ergonomically designed handle has built-in shock absorbers for cushion and fits two gloved hands for easy pass off.

CPR Metronome, a proven technology that actively guides users to a consistent compression rate without the need for extra external hardware.

Integrated Oridion $EtCO_2$ provides waveform ranges as low as 0–20 mmHg to help identify ROSC or gauge CPR quality, consistent with the AHA guidelines.

The LIFEPAK 15 monitor/ defibrillator at a glance.

Redesigned cable connector gives you the confidence for secure therapy delivery.



For six decades, Physio-Control has been developing technologies and designing devices that are legendary among first response professionals, clinical care providers, and the community.









A legacy of trust.

Since we were founded in 1955, Physio-Control has been giving medical professionals around the world legendary quality and constant innovation. Our LIFEPAK devices have been carried to the top of Mount Everest. They've been launched into orbit on the International Space Station. And you'll find more than half a million units in use today on fire rescue rigs, ambulances, and hospital crash carts worldwide.

We are inspired and informed by the rescuers who choose our products to save lives. The knowledge gained from working with some of the world's largest EMS organizations helps us constantly improve clinical standards and durability.

Today, we continue our legacy of innovation with leading technologies that improve patient care. Our 360J biphasic technology gives patients the best chance at survival. Our secure, web-based flow of ECG data helps improve STEMI patient outcomes. And our carbon monoxide monitoring helps catch the number one cause of poisoning deaths.

From the streets to the emergency room to the administrative office, we offer a powerful suite of solutions that range from code response to quality control analysis. And even as we bring ground-breaking products to the market, some things don't change. As always, when you choose our products, you don't just get a device. You also get the most comprehensive warranty in the business, industry-leading technical service, and a partner with six decades of experience in emergency care.

For more information about the LIFEPAK 15 monitor/defibrillator—and how it can help you do what you do best—please contact your local Physio-Control representative or visit ***www.physio-control.com****.*

Physio-Control Family of Products and Services

Defibrillators/Monitors



LIFEPAK CR® Plus Automated External Defibrillator (AED)

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the fully automatic LIFEPAK CR Plus AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest (SCA).



LIFEPAK® 1000 Defibrillator

The LIFEPAK 1000 Defibrillator is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the *1000* to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve.



LIFEPAK® 15 Monitor/Defibrillator

The LIFEPAK 15 monitor/defibrillator is the standard in emergency care for ALS teams who want the most clinically innovative, operationally effective and LIFEPAK TOUGH™ device available today. The *15* offers sophisticated clinical technologies with a rich array of features—like the most powerful escalating energy available (up to 360J), advanced monitoring parameters and a completely upgradable platform.



LIFEPAK® 20e Defibrillator/Monitor with CodeManagement Module™

Clinically advanced and packed with power, the LIFEPAK 20e defibrillator/monitor is highly intuitive for first responders, and also skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care. The CodeManagement Module adds waveform capnography and wireless connectivity to enhance your hospital's ability to effectively manage resuscitations from preparedness through review.

CPR Assistance



LUCAS® 2 Chest Compression System

Designed to provide effective, consistent and uninterrupted compressions according to AHA Guidelines, LUCAS can be used on adult patients in out-of-hospital and hospital settings.



TrueCPR™ Coaching Device

TrueCPR helps your team optimize their manual CPR performance using simple real-time and post-event feedback on the most critical resuscitation parameters. It accurately measures compression depth through proprietary Triaxial Field Induction technology.

Data Solutions



LIFENET® System

The LIFENET System provides EMS and hospital care teams with reliable, quick access to clinical information through a secure, web-based platform, helping to improve patient care, flow and operational efficiency.

CODE-STAT™ Data Review Software

CODE-STAT data review software is a retrospective analysis tool that provides easy access to data, reports and post-event review.

HealthEMS®

HealthEMS is a remote-hosted field data collection, management and reporting software solution which is proven to help Fire and EMS providers improve patient care and financial performance. HealthEMS creates a two-way information flow which dramatically improves the accuracy and timeliness of information needed to support billing and clinical decision-making.

PulsePoint

PulsePoint Respond alerts CPR-trained bystanders about nearby sudden cardiac arrests in a public area. The app guides the responder to the public location of the incident using a map while also identifying nearby AEDs. Because the PulsePoint solution is integrated into the local dispatch center, alerts are only sent after 911 has been notified.

PulsePoint AED is an app designed to build a comprehensive registry of AEDs available for use during cardiac emergencies. AED submissions are verified by the local agency and then become available within the Respond app.

Support



Physio-Control Service

With a service plan from Physio-Control, you are free to focus on your mission while relying on us to help to ensure the integrity of your lifesaving tools. From emergency repairs to software updates to preventive maintenance, we respond to every service call with speed and expertise so you have the peace of mind to do your job with confidence.


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3

GENERAL

The LIFEPAK 15 monitor/defibrillator has six main operating modes:

AED Mode: for automated ECG analysis and a prompted treatment protocol for patients in cardiac arrest.

Manual Mode: for performing manual defibrillation, synchronized cardioversion, noninvasive pacing, and ECG and vital sign monitoring.

Archive Mode: for accessing stored patient information.

Setup Mode: for changing default settings of the operating functions.

Service Mode: for authorized personnel to perform diagnostic tests and calibrations.

Demo Mode: for simulated waveforms and trend graphs for demonstration purposes.

PHYSICAL CHARACTERISTICS

Weight:

Basic monitor/defibrillator with new roll paper and two batteries installed: 7.9 kg (17.5 lb)

Fully featured monitor/defibrillator with new roll paper and two batteries installed: 8.4 kg (18.5 lb)

Lithium-ion battery: ≤0.6kg (1.3lb)

Accessory Bags and Shoulder Strap: 1.77 kg (3.9 lb)

Standard (hard) Paddles: 0.95 kg (2.1 lb)

Height: 31.7 cm (12.5 in)

Width: 40.1 cm (15.8 in)

Depth: 23.1 cm (9.1 in)

DISPLAY

Size (active viewing area): 212 mm (8.4 in) diagonal; 171 mm (6.7 in) wide x 128 mm (5.0 in) high

Resolution: display type 640 dot x 480 dot color backlit LCD

User Selectable Display Mode: full color or SunVue™ display high contrast

Display: a minimum of 5 seconds of ECG and alphanumerics for values, device instructions, or prompts

Display: up to three waveforms

Waveform Display Sweep Speed: 25 mm/sec for ECG, SpO_2, IP, and 12.5 mm/sec for CO_2

DATA MANAGEMENT

The device captures and stores patient data, events (including waveforms and annotations), and continuous waveform and patient impedance records in internal memory.

The user can select and print reports, and transfer the stored information via supported communication methods.

Report Types:

- Three format types of CODE SUMMARY™ critical event record: short, medium, and long
- 12-lead ECG with STEMI statements
- Continuous Waveform (transfer only)
- Trend Summary
- Vital Sign Summary
- Snapshot

Memory Capacity: Total capacity is 360 minutes of continuous ECG, 90 minutes of continuous data from all channels, or 400 single waveform events.

Maximum memory capacity for a single patient includes up to 200 single waveform reports and 90 minutes of continuous ECG.

COMMUNICATIONS

The device is capable of transferring data records by wired or wireless connection. This device complies with Part 15 of the FCC rules, and its operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Serial Port RS232 communication + 12V available

Limited to devices drawing maximum 0.5 A current

Bluetooth® technology provides short-range wireless communication with other Bluetooth-enabled devices

MONITOR

ECG

ECG is monitored via several cable arrangements:

A 3-wire cable is used for 3-lead ECG monitoring.

A 5-wire cable is used for 7-lead ECG monitoring.

A 10-wire cable is used for 12-lead ECG acquisition. When the chest electrodes are removed, the 10-wire cable functions as a 4-wire cable.

Standard paddles or QUIK-COMBO pacing/defibrillation/ECG electrodes are used for paddles lead monitoring.

Frequency Response:

Monitor: 0.5 to 40 Hz or 1 to 30 Hz

Paddles: 2.5 to 30 Hz

12-lead ECG diagnostic: 0.05 to 150 Hz

Lead Selection:

Leads I, II, III, (3-wire ECG cable)

Leads I, II, III, AVR, AVL, and AVF acquired simultaneously (4-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, and C lead acquired simultaneously (5-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, V1,V2,V3,V4,V5, and V6 acquired simultaneously (10-wire ECG cable)

ECG size: 4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV (fixed at 1 cm/mV for 12-lead)

Heart Rate Display:

20–300 bpm digital display

Accuracy: ±4% or ±3 bpm, whichever is greater

QRS Detection Range Duration: 40 to 120 msec

Amplitude: 0.5 to 5.0 m

Common Mode Rejection (CMRR): ECG Leads: 90 dB at 50/60 Hz

SpO_2/SpCO/SpMet

Sensors:

MASIMO® sensors including RAINBOW® sensors

NELLCOR® sensors when used with the MASIMO RED™ MNC adapter

SpO_2

Displayed Saturation Range: "<50" for levels below 50%; 50 to 100%

Saturation Accuracy: 70–100% (0–69% unspecified)

Adults/Pediatrics:
±2 digits (during no motion conditions)
±3 digits (during motion conditions)

Dynamic signal strength bar graph

Pulse tone as SpO_2 pulsations are detected

SpO_2 Update Averaging Rate User selectable: 4, 8, 12 or 16 seconds

SpO_2 Sensitivity User selectable: Normal, High

SpO_2 Measurement: Functional SpO_2 values are displayed and stored

Pulse Rate Range: 25 to 240 bpm

Pulse Rate Accuracy (Adults/Pediatrics):
±3 digits (during no motion conditions)
±5 digits (during motion conditions)

Optional SpO_2 waveform display with autogain control

SpCO®

SpCO Concentration Display Range: 0 to 40%

SpCO Accuracy: ±3 digits

SpMET®

SpMet Saturation Range: 0 to 15.0%

SpMet Display Resolution: 0.1% up to 10%

SpMet Accuracy: ±1 digit

NIBP

Blood Pressure Systolic Pressure Range: 30 to 255 mmHg

Diastolic Pressure Range: 15 to 220 mmHg

Mean Arterial Pressure Range: 20 to 235 mmHg

Units: mmHg

Blood Pressure Accuracy: ±5 mmHg

Blood Pressure Measurement Time: 20 seconds, typical (excluding cuff inflation time)

Pulse Rate Range: 30 to 240 pulses per minute

Pulse Rate Accuracy: ±2 pulses per minute or ±2%, whichever is greater

Operation Features Initial Cuff Pressure: User selectable, 80 to 180 mmHg

Automatic Measurement Time Interval: User selectable, from 2 min to 60 min

Automatic Cuff Deflation Excessive Pressure: If cuff pressure exceeds 290 mmHg

Excessive Time: If measurement time exceeds 120 seconds

CO_2

CO_2 Range: 0 to 99 mmHg (0 to 13.2 kPa)

Units: mmHg, %, or kPa

Respiration Rate Accuracy:
0 to 70 bpm: ±1 bpm
71 to 99 bpm: ±2 bpm

Respiration Rate Range: 0 to 99 breaths/minute

Rise Time: 190 msec

Response Time: 3.3 seconds (includes delay time and rise time)

Initialization Time: 30 seconds (typical), 10-180 seconds

Ambient Pressure: automatically compensated internally

Optional Display: CO_2 pressure waveform

Scale factors: Autoscale, 0–20 mmHg (0–4 Vol%), 0–50 mmHg (0–7 Vol%), 0–100 mmHg (0–14 Vol%)

Invasive Pressure

Transducer Type: Strain-gauge resistive bridge

Transducer Sensitivity: 5µV/V/mmHg

Excitation Voltage: 5 Vdc

Connector: Electro Shield: CXS 3102A 14S-6S

Bandwidth: Digital filtered, DC to 30 Hz (< -3db)

Zero Drift: 1 mmHg/hr without transducer drift

Zero Adjustment: ±150 mmHg including transducer offset

Numeric Accuracy: ±1 mmHg or 2% of reading, whichever is greater, plus transducer error

Pressure Range: -30 to 300 mmHg, in six user selectable ranges

Invasive Pressure Display

Display: IP waveform and numerics

Units: mmHg

Labels: P1 or P2, ART, PA, CVP, ICP, LAP (user selectable)

Temperature

Range: 24.8° to 45.2°C (76.6° to 113.4°F)

Resolution: 0.1°C

Accuracy: ±0.2°C including sensor

Reusable Temperature Cable: 5 foot or 10 foot

Disposable Sensor Types: Surface–Skin; Esophageal/Rectal

Trend

Time Scale: Auto, 30 minutes, 1, 2, 4, or 8 hours

Duration: Up to 8 hours

ST Segment: After initial 12-lead ECG analysis, automatically selects and trends ECG lead with the greatest ST displacement

Display Choice of: HR, PR (SpO_2), PR (NIBP), SpO_2 (%), SpCO (%), SpMet (%), CO_2 ($EtCO_2$/$FiCO_2$), RR (CO_2), NIBP, IP1, IP2, ST

ALARMS

Quick Set: Activates alarms for all active vital signs

VF/VT Alarm: Activates continuous (CPSS) monitoring in Manual mode

Apnea Alarm: Occurs when 30 seconds has elapsed since last detected respiration

Heart Rate Alarm Limit Range: Upper, 100–250 bpm; lower, 30–150 bpm

INTERPRETIVE ALGORITHM

12-Lead Interpretive Algorithm: University of Glasgow 12-Lead ECG Analysis Program, includes AMI and STEMI statements

PRINTER

Prints continuous strip of the displayed patient information and reports

Paper Size: 100 mm (3.9 in)

Print Speed: 25 mm/sec or 12.5 mm/sec

Optional: 50 mm/sec time base for 12-lead ECG reports

Delay: 8 seconds

Autoprint: Waveform events print automatically

Frequency Response:

Diagnostic: 0.05 to 150 Hz or 0.05 to 40 Hz

Monitor: 0.67 to 40 Hz or 1 to 30 Hz

DEFIBRILLATOR

Biphasic Waveform: Biphasic Truncated Exponential

The following specifications apply from 25 to 200 ohms, unless otherwise specified:

Energy Accuracy: ±1 joule or 10% of setting, whichever is greater, into 50 ohms, ±2 joules or 15% of setting, whichever is greater, into 25-175 ohms.

Voltage Compensation: Active when disposable therapy electrodes are attached. Energy output within ±5% or ±1 joule, whichever is greater, of 50 ohms value, limited to the available energy which results in the delivery of 360 joules into 50 ohms.

Paddle Options: QUIK-COMBO® pacing/defibrillation/ECG electrodes (standard). Cable Length 8 foot long (2.4 m) QUIK-COMBO cable (not including electrode assembly).

Standard paddles (optional)

Manual Mode

Energy Select: 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, and 360 joules

Charge Time: Charge time to 360 joules in less than 10 seconds, typical

Synchronous Cardioversion: Energy transfer begins within 60 msec of the QRS peak

Paddles Leads OFF Sensing: When using QUIK-COMBO electrodes, the device indicates Paddles Leads OFF if the resistive part of the patient impedance is greater than 300 ±15% ohms, or if the magnitude of the patient impedance is greater than 440 ±15% ohms.

AED Mode

Shock Advisory System™ (SAS): an ECG analysis system that advises the operator if the algorithm detects a shockable or non-shockable ECG rhythm. SAS acquires ECG via therapy electrodes only.

Shock Ready Time: Using a fully charged battery at normal room temperature, the device is ready to shock within 20 seconds if the initial rhythm finding is "SHOCK ADVISED"

Biphasic Output: Energy Shock levels ranging from 150–360 joules with same or greater energy level for each successive shock

cprMAX™ Technology: In AED mode, cprMAX™ technology provides a method of maximizing the CPR time that a patient receives, with the overall goal of improving the rate of survival of patients treated with AEDs.

Setup Options:

- Auto Analyze: Allows for auto analysis. Options are OFF, AFTER 1ST SHOCK
- Initial CPR: Allows the user to be prompted for CPR for a period of time prior to other activity. Options are OFF, ANALYZE FIRST, CPR FIRST
- Initial CPR Time: Time interval for Initial CPR. Options are 15, 30, 45, 60, 90, 120, and 180 seconds.
- Pre-Shock CPR: Allows the user to be prompted for CPR while the device is charging. Options are OFF, 15, 30 seconds.
- Pulse Check: Allows the user to be prompted for a pulse check at various times. Options are ALWAYS, AFTER EVERY SECOND NSA, AFTER EVERY NSA, NEVER
- Stacked Shocks: Allows for CPR after 3 consecutive shocks or after a single shock. Options are OFF, ON
- CPR Time: 1 or 2 User selectable times for CPR. Options are 15, 30, 45, 60, 90, 120, 180 seconds and 30 minutes.

PACER

Pacing Mode: Demand or non-demand rate and current defaults

Pacing Rate: 40 to 170 PPM

Rate Accuracy: ±1.5% over entire range

Output Waveform: Monophasic, truncated exponential current pulse (20 ± 1 ms)

Output Current: 0 to 200 mA

Pause: Pacing pulse frequency reduced by a factor of 4 when activated

Refractory Period: 180 to 280 msec (function of rate)

ENVIRONMENTAL

Unit meets functional requirements during exposure to the following environments unless otherwise stated.

Operating Temperature: 0° to 45°C (32° to 113°F); -20°C (-4°F) for 1 hour after storage at room temperature; 60°C (140°F) for 1 hour after storage at room temperature

Storage Temperature: -20° to 65°C (-4° to 149°F) except therapy electrodes and batteries

Relative Humidity, Operating: 5 to 95%, non-condensing. NIBP: 15 to 95%, non-condensing

Relative Humidity, Storage: 10 to 95%, non-condensing

Atmospheric Pressure, Operating: -382 to 4,572 m (-1,253 to 15,000 ft). NIBP: -152 to 3,048 m (-500 to 10,000 ft)

Water Resistance, Operating: IP44 (dust and splash resistance) per IEC 529 and EN 1789 (without accessories except for 12-lead ECG cable, hard paddles, and battery pack)

Vibration: MIL-STD-810E Method 514.4, Propeller Aircraft - category 4 (figure 514.4-7 spectrum a), Helicopter - category 6 (3.75 Grms), Ground Mobile - category 8 (3.14 Grms), EN 1789: Sinusoidal Sweep, 1 octave/min, 10-150 Hz, ±0.15 mm/2 g

Shock (drop): 5 drops on each side from 18 inches onto a steel surface EN 1789: 30-inch drop onto each of 6 surfaces

Shock (functional): Meets IEC 60068-2-27 and MIL-STD-810E shock requirements 3 shocks per face at 40 g, 6 ms half-sine pulses

Bump: 1000 bumps at 15 g with pulse duration of 6 msec

Impact, Non-operating: EN 60601-1 0.5 + 0.05 joule impact UL 60601-1 6.78 Nm impact with 2-inch diameter steel ball. Meets IEC62262 protection level IK 04.

EMC: EN 60601-1-2:2006 Medical Equipment -General Requirements for Safety - Collateral Standard: Electromagnetic Compatibility - Requirements and Tests EN 60601-2-4:2003: (Clause 36) Particular Requirements for the Safety of Cardiac Defibrillators and Cardiac Defibrillator-Monitors

Cleaning: Cleaning 20 times with the following: Quaternary ammonium, isopropyl alcohol, hydrogen peroxide

Chemical Resistance: 60 hour exposure to specified chemicals: Betadine (10% Povidone-Iodine solution), Coffee, Cola, Dextrose (5% Glucose solution), Electrode Gel/Paste (98% water, 2% Carbopol 940), HCL (0.5% solution, pH=1), Isopropyl Alcohol, NaCl solution (0.9% solution), Cosmetic discoloration of the paddle well shorting bar shall be allowed following exposure to HCL (0.5% solution).

POWER

Power Adapters: AC or DC

Power Adapters provide operation and battery charging from external AC or DC power

- Full functionality with or without batteries when connected to external AC/DC
- Typical battery charge time while installed in LIFEPAK 15 device is 190 minutes
- Indicators: external power indicator, battery charging indicator

Dual battery: Capability with automatic switching

Low battery indication and message: Low battery fuel gauge indication and low battery message in status area for each battery

Replace battery indication and message: Replace battery fuel gauge indication, audio tones and replace battery message in the status area for each battery. When replace battery is indicated, device auto-switches to second battery. When both batteries reach replace battery condition, a voice prompt instructs user to replace battery.

Battery Capacity For two, new fully-charged batteries, 20°C (68°F)

Operating Mode		Monitoring (minutes)	Pacing (minutes)	Defibrillation (360J discharges)
Total Capacity to Shutdown	Typical	360	340	420
	Minimum	340	320	400
Capacity After Low Battery	Typical	21	20	30
	Minimum	12	10	6

BATTERY

Battery Specifications

Battery Type: Lithium-ion

Weight: ≤0.6kg (1.3lb)

Charge Time (with fully depleted battery): 4 hours and 15 minutes (typical)

Battery indicators: Each battery has a fuel gauge that indicates its approximate charge. A fuel gauge that shows two or fewer LEDs after a charge cycle indicates that the battery should be replaced.

Charging Temperature Range: 5° to 45°C (41° to 113°F)

Operating Temperature Range: 0° to 45°C (32° to 113°F)

Short Term (<1 week) Storage Temperature Range: -20° to 60°C (-4° to 140°F)

Long Term (>1 week) Storage Temperature Range: 20° to 25°C (68° to 77°F)

Operating and Storage Humidity Range: 5 to 95% relative humidity, non-condensing

REFERENCES

1 Stiell I, Walker R, Nesbitt L, et al. Biphasic Trial: A randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. *Circulation.* 2007;115:1511-1517.

2 Edelson D, Litzinger B, Arora V, et al. Improving in-hospital cardiac arrest process and outcomes with performance debriefing. *Arch Intern Med.* 2008;168:1063-1069.

3 Olasveengen T, Wik L, Kramer-Johansen J, et al. Is CPR quality improving? A retrospective study of out-of-hospital cardiac arrest. *Resuscitation.* 2007;75:260-266.

4 Fletcher D, Galloway R, Chamberlain D, et al. Basics in advanced life support: A role for download audit and metronome. *Resuscitation.* 2008;78:127-134.

All claims valid as of December 2014.

For further information please contact your local Physio Control representative or visit our website at www.physio-control.com

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GDR 3301019_F

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders FY Start 2019 Quarter Q4

Project Location: Fire Department FY End 2019 Quarter Q1

Project Description

Replaced 27 SCBA Units, 45 masks and 72 air cylinders

Project Justification

The current SCBA units were purchased in 2009 under the 2007 NFPA standard for SCBA. NFPA Standards are revised every three years. In 2019 the current SCBA units will be 10 years old and there will have been four NFPA standard revisions that usually deal with safety and technology improvements. The maintenance costs increase substantially with age with SCBA. The technology improvements since 2009 have already allowed costs to come down with the Heads Up Display by over 50%.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$236,816	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$236,816	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$236,816	

Financing Comments

Possible Grant Funding

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace E30 a 2006 Pierce Enforcer pumper FY Start 2021 Quarter Q4

Project Location: Fire Department FY End 2021 Quarter Q1

Project Description

Replace E30 2006 Pierce Enforcer Pumper Vin# 4P1CEO1A96A005715

Project Justification

The pumper is 11 years old and has high operating hours from serving as a front line unit for 10 years and is now a reserve unit. In FY21 this unit will be 15 years old and should be considerd for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$526,179	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$526,179	Reserves
2022	$0	$0 this FY
Total Capital Costs	$526,179	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace E31 a 2002 Pierce Enforcer Pumper FY Start 2019 Quarter Q4

Project Location: Fire Department FY End 2019 Quarter Q1

Project Description

Replace E31 2002 Pierce Enforcer Pumper Vin# 4P1CT02A62A002365

Project Justification

The pumper is 15 years old and has high operating hours from serving as a front line unit for 13 years and is now a reserve unit. In FY18 this unit will be 16 years old and should be considerd for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$497,277	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$497,277	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$497,277	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Electronic Plan Review - Software FY Start 2020 Quarter Q4

Project Location: City Hall FY End 2020 Quarter Q1

Project Description

Installation of electronic plan review software $42,700 and Base Plan Check and Review Business Process $10,000. Annual operating cost for access first year (3% yearly increase) $36,543.24, Building Permit EPR Interface $1,154.28, ASP Hosting Services $15,024.00. 2nd year total operating $54,673.97. 3rd year $56,314.19. 4th year 58,003.62. 5th year $59,743.72.

Project Justification

Allows for the electronic transmission and review of site plans and building plans for the Community Services Department. This is currently being evaluated with ERP study underway.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$52,720	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$53,082
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$53,082

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$52,720	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$52,720	

Financing Comments

General Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Sidewalk Maintenance/Replacement Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual maintenance and repair of sub-standard, deteriorated and broken sidewalks. This funding will allow for the installation of approximately 25000square feet (1 mile - 5 feet wide) of replacement and new sidewalks on a 50% - 50% split

Project Justification

Sidewalks routinely become non-functional through aging, settling,cracking,tree root damage and vehicle damage. By repairing and replacing sidewalks it reduces the liability to the city

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$50,000	Revenue
2019	$50,000	Other Source
2020	$50,000	Other Source
2021	$50,000	Other Source
2022	$50,000	Other Source
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Street Paving Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual milling and paving of city streets, boulevards and parking lots

Project Justification

The City has opproximently 79.1 center line miles of roads and various municipal parking lots. An average of 3 to 4 miles per year will allow the City to maintain roadway surfaces, excluding parking lots, at a minimum level. When streets are repaved, all sidewalks must be equipped with ADA compliant ramps. This will add approximately 10% to paving costs

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$300,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$300,000	Revenue
2019	$300,000	Revenue
2020	$300,000	Revenue
2021	$300,000	Revenue
2022	$300,000	Revenue
Total Capital Costs	$1,500,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Broadview Manor Street Lighting FY Start 2018 Quarter Q4

Project Location: Broadview Manor FY End 2018 Quarter Q1

Project Description

Replace decorative street lighting in Broadview Manor. 28 lights and 60 Quazite Boxes

Project Justification

The decorative street lighting at Broadview Manor has been in place 30+ years. Many of the bases are corroded and parts are becoming unavailable. Old light bases have been found to be insufficient, so new concrete bases, pull boxes and replacement of missing poles will be needed.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$120,000	Other Source
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,000	

Financing Comments

Funding by Special Assessment.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date
$1,750,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,750,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,750,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,750,000	

Financing Comments

Possible funding through the SCTPO and FDOT
1,750,000 funded by General funds
140,000 funded by Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Pineda Street Roadway and Sidwalk Reconstruction FY Start 2019 Quarter Q4

Project Location: Pineda Street from Peachtree St to Dixon Blvd FY End 2019 Quarter Q1

Project Description

Full depth reclaimation of Pineda Street including mixing of existing pavement and base, injecting the material with emulsifier, compacting and grading and adding an asphalt overlay and striping. Also repairing esisting sidewalk and constructing ADA compliant handicap ramps where needed

Project Justification

Pineda Street is a heavly traveled street used by all types of vehicle traffic including school busses. The roadway has deteriorated to the point that the base is failing. The sidewalks are in poor condition and many of the existing handi-cap ramps do not comply with ADA standards

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$675,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$675,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$675,000	

Financing Comments

Possible split with County & School Board
Safe routes to school Grant Funding.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: SR 520 Interim Safety Improvements FY Start 2018 Quarter Q4

Project Location: SR 520 from US 1 to the Indian River Bridges FY End 2018 Quarter Q1

Project Description

Traffic Calming for SR 520 Corridor through Cocoa Village

Project Justification

Traffic Calming for SR 520 through Cocoa Village

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$100,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$100,000	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Steel bench replacement program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2020 Quarter Q1

Project Description

Over the next 3 fiscal years the city is in need of replacing the collection of benches in the City. Appox. 120 8 foot Benches through-out the Downtown and Citywide

Project Justification

the current benches and old and weathered

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$192,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$48,000	Revenue
2020	$48,000	Revenue
2021	$48,000	Revenue
2022	$48,000	Revenue
Total Capital Costs	$192,000	

Financing Comments

Appox 40 benches per year

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Stone Street Corridor Streetscaping (General Funds portion) FY Start 2018 Quarter Q1

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q2

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017.

Project Justification

The Diamond Square CRA intends to redevelop this culturally significant commercial corridor.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$641,104	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$580,552	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$580,552	Combination
2019	$60,552	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$641,104	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$20,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$20,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$20,000	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$26,725	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$26,725	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$26,725	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

Statement of Work (SOW), Pricing, & Payment Terms

***FASTER* Asset Solutions**

100% Employee-Owned

Created For:
City of Cocoa
Date:
March 27, 2017
Senior Software Consultant:
Steve Specht

Pricing in this proposal is valid for 60 days.

Qty	Description	Cost
FMIS Core COTS System		
400	001 – Software Cost: Standard Active Assets: This price includes up to quantity listed standard active assets (which are defined as originally valued at $5000 or greater and active). Each additional asset will be $100.00. This includes one instance of the FASTER Web Application with one database.	$40,000
1	050 – Unlimited Named Accounts: Unlimited user access (named accounts) included.	Included
Add-ons		
1	207nc – Dashboard Add-on: (See Offsetting Discount Below) Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.	$10,000
1	208 – Barcoding Software: Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.	$6,000

1	301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer: This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either: 1. To import a new fuel vendor fuel transaction file. 2. Or, to import a new fuel file from your existing vendor. The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy: 1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used). 2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing. 3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly. (This FI does not import Site & Dispenser information. You can add the importing of Site & Dispenser data to the SFI for an additional ($2,500) cost.)	$3,500
Go-Live Custom Work		
1	333e – Custom Integration: Export: Naviline Export This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.	$8,000
Data Services		
1	408 - Migration Data Conversion: The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration. A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.	$15,000
1	405 – Data Cleanup: If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.	n/a
Configuration & Training		
1	Migration Implementation and Project Management Services	$9,000

1	511 – System Overview Meetings (SOM): System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.	$6,600
1	512 – System Training/Go-Live: This training includes the below training agenda. Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.	See below
1	512a – Go-Live Week System Training - Asset Module (4 Hrs): Should include FASTER System Admin and Asset Managers.	$2,200
1	512b – Go-Live Week System Training - Maintenance Module (4 Hrs): Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.	$2,200
1	512c – Go-Live Week System Training - Parts Module (4 Hrs): Should include FASTER System Admin, Parts Staff and Parts Managers.	$2,200
1	512d – Go-Live Week System Training - Fuel Module (1 Hr): Should include FASTER System Admin and Fuel Clerk.	$550
1	512e – Go-Live Week System Training - Vendors & Accounting Modules (1.5 Hrs): Should include FASTER System Admin, Accounting Staff and Parts Managers.	$825
2	512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs): Should include FASTER System Admin and Technicians.	$1,375

1	512g – Go-Live Week System Training - Additional Trainers (TBD): The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost. Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module. To calculate your additional training costs: -- The cost (including room, board and travel) of the 1st trainer is included in the above costs. -- Travel, room and board will be a flat cost of $1,000 for each additional trainer. -- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require). -- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional $1,000 per trainer would apply for travel, room and board ($1,000 flat fee per trainer times the number of business weeks spanned).	TBD
Discounts		
1	900 – Existing WIN Customer Discount Discount for Existing FASTER WIN Customers	-$4,000
1	905ec – Existing FASTER WIN Customer Dashboard Discount	-$10,000
	Software & Services Total	**$93,450**

Upgrades & Support		
1	801 – Upgrades & Support: Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.	**$13,500**
	Upgrades & Support Total	**$13,500**

Payment Schedule By Milestone	
Milestone	**Percent Due**
Upon Purchase Confirmation	**30%**
COTS Software Delivery	**30%**

COTS System Overview	**20%**
Delivery of Converted Data and Go Live	**20%**
Hourly Work: Hourly work is billed monthly.	**TBD**

Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure. Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process. After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER.*

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

1. Equipment Inventory

- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

2. Graphics (Attachments) and Notes

3. Parts Inventory

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

4. Repair Types/Codes

5. Work Orders/Independent Parts/Deferred Repairs

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

6. Operational Cost/Fuel

- Transactional Detail

7. Equipment Templates

8. Billing History

FASTER Web Handles Data Differently

FASTER Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

Field Names

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

Applets No Longer Standalone

In *FASTER* Web, Applets have been consolidated into modules that represent roles. For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

Process Changes

- Budget account codes are required in FASTER Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type ‘L’ will be migrated to *FASTER* Web as a warranty with a cycle type of ‘Y’ for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web’s cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the ‘Other Cost’ column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.

2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

New Processes Supported in *FASTER* Web

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
- Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

Data Not Migrated

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

Data Not Migrated But Functionality Is Available in *FASTER* Web

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

Data Not Migrated And Functionality Is Not Available in *FASTER* Web

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilitates DB and instance by putting your Facilitates data in the same DB as your Fleet data; you will lose the ability to customize Facilitates separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: City Hall HVAC replacement FY Start 2019 Quarter Q4

Project Location: City Hall FY End 2019 Quarter Q1

Project Description

Replacement of 6 -20 ton conderser and 1-Libert conderser

Project Justification

The HVAC units in City Hall are currently 8 years old and will in FY 19 10 years old

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$40,000	Revenue
2020	$50,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Cocoa Civic Center Rehabilitation FY Start 2019 Quarter Q4

Project Location: Civic Center FY End 2019 Quarter Q1

Project Description

1)The Ballrooms at the Civic Center are in need of some updating. Install new decorative columns and wall coverings in the ballrooms, and lay new carpet squares in the ballroom, foyer and conference rooms. 2) Replace the roof. 3) Update the ballroom, improve the river view, relocate the kitchen, and update all bathrooms. Install storm-rated windows, and new carpet.

Project Justification

1) this is needed to attract wider variety of events, customers and business to the Civic Center. 2) Emergency repairs always cost more than preventative maintenance. The older buildings in the city are in need of roof replacements. If not replaced, the City could incur more cost due to leaks, mold, fungus etc. 3) To increase marketability and bring more events to the downtown area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$865,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$35,000	Revenue
2020	$830,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$865,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Cocoa PD Wall Rehab FY Start 2018 Quarter Q4

Project Location: Police Department FY End 2018 Quarter Q1

Project Description

The pre-cast concrete wall has had mositure intrusion, rusting and spalling of the concrete. The wall is starting to fail in many areas

Project Justification

the Police department compound needs to stay secure

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$63,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$63,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$63,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Fire #2 Rehab FY Start 2018 Quarter Q4

Project Location: Fire #2 FY End 2018 Quarter Q1

Project Description

to repair gutter system, pressure wash and paint exterior, preasure wash and paint the interiors of the Truck bays, replace window with impact windows, repair and replace the bay doors and pave the drive way and employees parking area

Project Justification

to give to the County for use for Public Saftey

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$36,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$36,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$36,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$36,000	

Financing Comments

Budgeted in FY 17 need to move to FY 18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Public Works Pole Barn Rehab FY Start 2019 Quarter Q4

Project Location: Public Works FY End 2019 Quarter Q1

Project Description

Grind all surface rust, clean all metal. Apply rust inhibiting coat to all metal surfaces, apply primer, paint 2 coats of industrial coating.

Project Justification

Building will be in need of sealing and repainting

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$76,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$76,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$76,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Roof replacement Fire station #3 FY Start 2018 Quarter Q4

Project Location: Fire station #3 FY End 2018 Quarter Q1

Project Description

If Fire #3 is going to be kept for a storage building it will need a new roof

Project Justification

Emergency repairs always cost more than preventative maintenance

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$75,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$75,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$75,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Seal/Paint Police department FY Start 2018 Quarter Q4

Project Location: Police department FY End 2018 Quarter Q1

Project Description

Pressure wash ,seal and Paint Police department

Project Justification

The PD building was last painted over 10 years ago.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$32,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: 2 Digital message boards FY Start 2018 Quarter Q4

Project Location: City Wide - TBD FY End 2018 Quarter Q1

Project Description

One new Digital message boards for the new Fire Stations purchased in FY18 and one in FY19.

Project Justification

to better infor our citzens with message boards throughout the City

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$50,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: New Joe L. Smith Center for Justice FY Start 2017 Quarter Q4

Project Location: Joe L. Smith FY End 2019 Quarter Q1

Project Description

To Design and build a new Joe L. Smith center for justice

Project Justification

A multi-use building .

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$4,560,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$60,000	$0	$115,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$175,000	Reserves
2019	$4,385,000	Grant
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,560,000	

Financing Comments

Diamond Square CRA TIF, CDBG 108 loan, other possible grant source, Debt proceeds and General Fund contribution.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Total Fitness system FY Start 2018 Quarter Q4

Project Location: Bracco Pond walking path FY End 2018 Quarter Q1

Project Description

Two complete outdoor fitness systems, 1 Jr. Fitness (ages 9-14) with 14 stations with 84 exercises designed for pre-teens and teenagers. 2 Prime fitness(ages 13 and up) with 10 stations with 120 exercises.

Project Justification

To prompt a healthy life style in the City Parks

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$95,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$95,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,000	

Financing Comments

Possible FRDAP Grant and revenue

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Trash Can replacement FY Start 2018 Quarter Q4

Project Location: City-wide FY End 2018 Quarter Q1

Project Description

To update all the trash cans through-out Downtown and City-wide 35 new Trash cans

Project Justification

To replace old and weathered trash cans and to have one style of trash can through-out the downtown and City wide

Strategic Connection: to

N/A

Total Cost of Project	Total Cost to Date
$50,050	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$25,025	Revenue
2020	$25,025	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,050	

Financing Comments

35 Trash cans - $ 1,430 per can

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Special Revenue Funds Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: 6 Forrest Avenue Gateway Entry Feature FY Start 2018 Quarter Q4

Project Location: Cocoa CRA FY End 2018 Quarter Q1

Project Description

Develop and install a gateway entry feature at 6 Forrest Avenue to signify entry into Historic Cocoa Village.

Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$260,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$260,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$260,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$260,000	

Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

CIE_Designation ☐

6 Forrest Avenue
Project #: CP1502

Brevard County Property Appraiser



May 16, 2017

1:1,000

0 45 90 180 ft

0 12.5 25 50 m

BCPAO Pictometry 2846850

For illustration only. Not a survey. Map layers may not precisely align.

© BCPAO 2015

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Brevard Ave Streetscape Project FY Start 2020 Quarter Q4

Project Location: Downtown Cocoa FY End 2021 Quarter Q1

Project Description

Upgrade water, sewer, stormwater system and landscaping on Brevard Ave. from S.R.520 to Rosa L. Jones. Also re-paving and striping of roadways

Project Justification

Brevard Ave is the main throughfair into Cocoa Village. The existing water and sewer have been in existance since the 1920's and the streetscape portion was done in the 1970's. All of the utilities are in need of a major up-grade.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$4,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$500,000	Combination
2021	$3,500,000	Combination
2022	$0	$0 this FY
Total Capital Costs	$4,000,000	

Financing Comments

Joint Project; Funded by; Cocoa CRA / General Fund / Utilities and Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction) FY Start 2018 Quarter Q4

Project Location: Riverfront Park and Lee Wenner Park FY End 2018 Quarter Q1

Project Description

Extend and reconstruct the T-dock to accommodate larger vessels, such as ICW cruisers.

Project Justification

The Cocoa Redevelopment Plan and the approved Waterfront Master Plan identify this project. The expansion of the T-dock will allow greater boater access to Cocoa Village and allow for larger vessels to bring additional patrons to the Village.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$464,000	$50,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$50,000	$0	$0	$364,000

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$414,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$414,000	

Financing Comments

FIND Grant of $25,000 was awarded in FY 2014 for design and engineering. Construction grant of $192,803 will be sought from FIND with Cocoa CRA TIF of $191,803 as 50% match for construction reimbursement.

CIE_Designation ☐

Project #: PW16RP

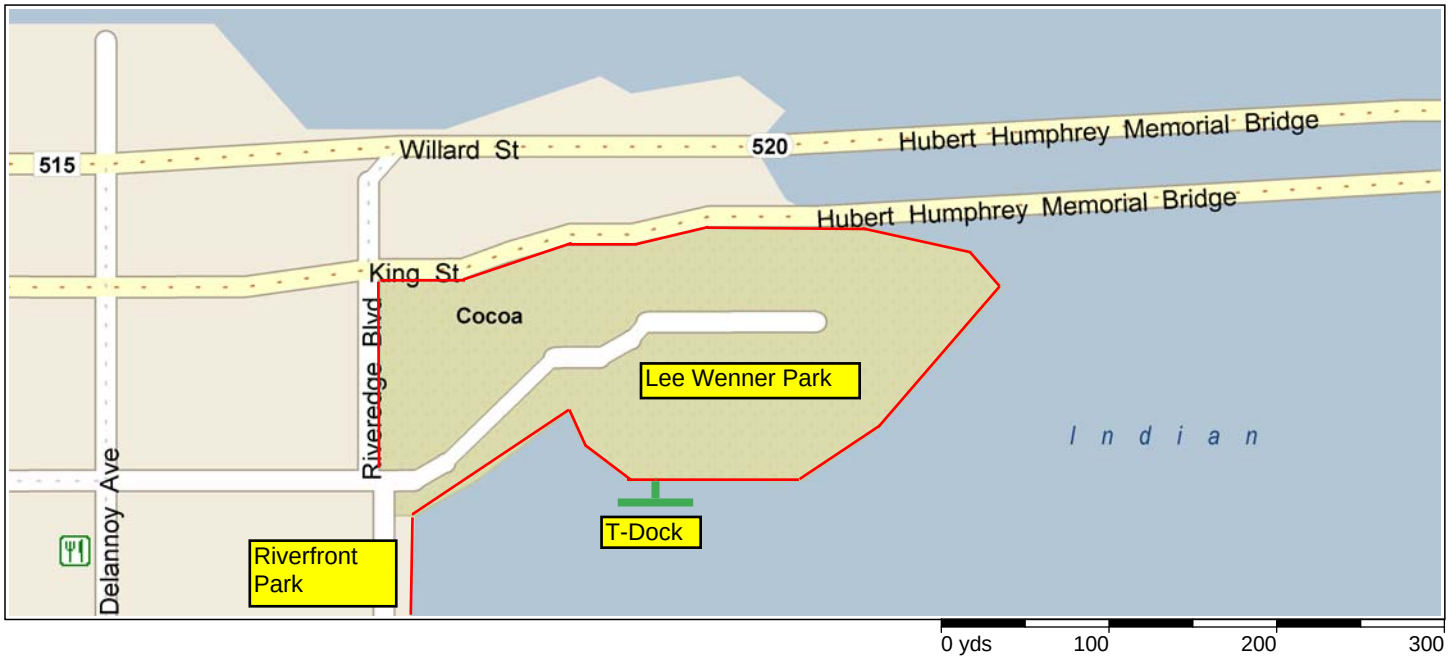
Docking Locations



*No docking at Day Docks between the hours of 12:00 am and 5:00 am
*Day docks are restricted to a maximum 8 hour time limitation
*T-Dock is restricted to a maximum 48 hour time limitation
*No time restriction at Dinghy Dock

Project #: CS14LW

Florida Inland Navigation District - Project Boundary Map



City of Cocoa
Riverfront Park T-Dock Expansion Project

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Cocoa Village Wayfinding and Signage Program FY Start 2022 Quarter Q4

Project Location: Cocoa CRA FY End 2022 Quarter Q1

Project Description

Develop and install wayfinding signs at key locations within the City directing traffic to and within Historic Cocoa Village.

Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program. The CRA has allocated $100,000 towards the design of the wayfinding project which was completed in FY 2015. Total project costs for the implementation of the program are estimated at $500,000.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$500,000	$67,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$433,000	Combination
Total Capital Costs	$433,000	

Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Downtown Parking Garage FY Start 2019 Quarter Q1

Project Location: Stone and Oleander Streets FY End 2021 Quarter Q4

Project Description

Construction of a 3-story public parking structure serving Historic Cocoa Village which will provide approximately 300 public spaces as well as additional commercial/retail space on the 1st floor.

Project Justification

The Parking Study conducted in 2007 will be updated in 2017.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$5,500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	Combination
2019	$5,500,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$5,500,000	

Financing Comments

The City/CRA is currently seeking a public-private partnership to assist with funding of project.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion) FY Start 2018 Quarter Q3

Project Location: Harrison Street from Delannoy Ave to the entrance to Lee Wenner Park FY End 2018 Quarter Q1

Project Description

Streetscaping of Harrison Street from Delannoy Avenue to the entrance to Lee Wenner Park.

Project Justification

This project will enhance the walkabilty and safety of pedestrian, bicyclists and automobiles as well as much needed stormwater management.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$396,994	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$396,994	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$396,994	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Lee Wenner Park Paving and Striping FY Start 2021 Quarter Q4

Project Location: Lee Wenner Park FY End 2021 Quarter Q1

Project Description

Mill, pave and re-stripe parking and drive lanes in Lee Wenner Park

Project Justification

The asphalt in the park is old and deteriorated. The existing striping for parking has faded. Re-doing both will enhance the overall apperance of the park

Strategic Connection: Operational

Enhanced parking will increase the overall apperance of the park and draw more visitors

Total Cost of Project	Total Cost to Date
$125,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$125,000	Other Source
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$125,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Riverfront Park Day Slips FY Start 2018 Quarter Q4

Project Location: The northeastern most section of Riverfront Park at the boardwalk. FY End 2018 Quarter Q1

Project Description

Construction of additional day 6 to 10 slips at Riverfront Park.

Project Justification

With the increased development/redevelopment of Historic Cocoa Village, it is anticipated additional day slips will be needed for boaters.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$45,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$45,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$45,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$45,000	

Financing Comments

The City is applying for FIND grant, where 50% of construction costs will be funded. Cocoa CRA TIF is funding the remaining 50%.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Riverfront Park Mooring Field FY Start 2019 Quarter Q1

Project Location: East of Riverfront Park in Indian River Lagoon. FY End 2020 Quarter Q4

Project Description

Public Mooring Field with up to sixty (60) mooring anchors fronting the bulkhead of Riverfront Park, north of existing FPL right-of-way.

Project Justification

Mooring Field will allow for the safe and sanitary mooring of larger vessels currently dropping anchor east of the Park in the River. Dangerous conditions exist with unstable mooring and sanitation issues, including derelict vessels.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$343,354	$98,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$50,000
Maintenance	$25,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$75,000

Capital Costs and Proposed Financing by Fiscal Year

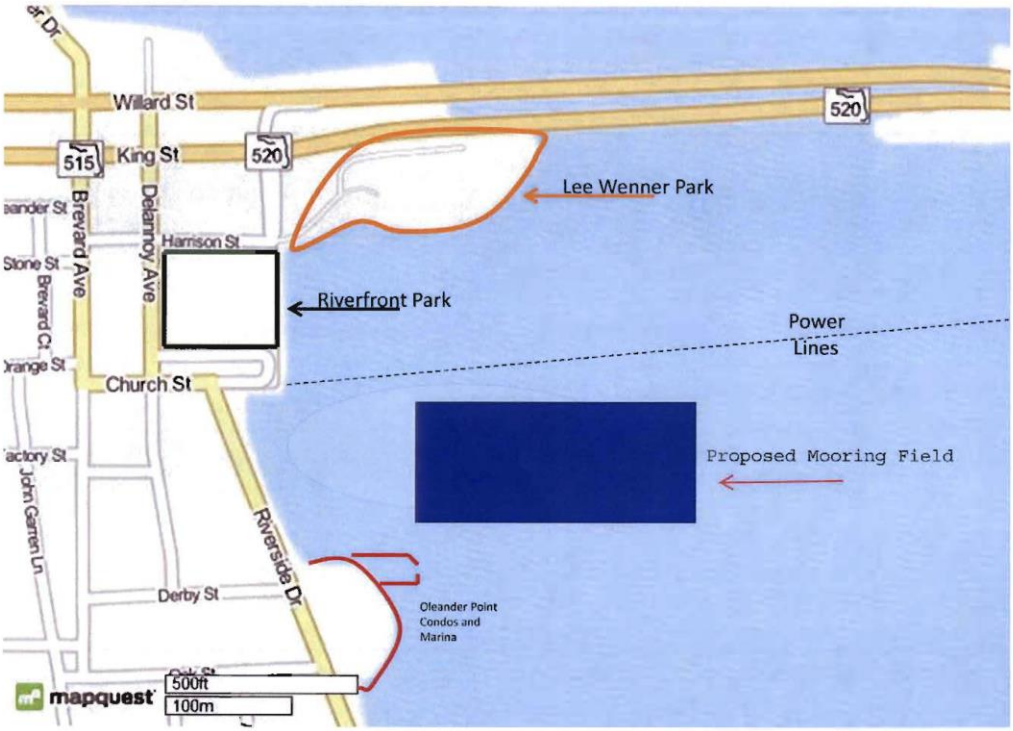
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$245,354	Grant
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$245,354	

Financing Comments

FIND grant will be sought for construction of just the mooring field, not dockside amenities. A public/private partnership will be sought for construction as well as ongoing operational costs.

CIE_Designation ☐

City of Cocoa – Riverfront Park Mooring Field Project Boundary Map



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Southern Gateway Traffic Circle FY Start 2022 Quarter Q4

Project Location: Traffic Circle - Brevard Avenue and Rosa L Jones Drive FY End 2022 Quarter Q1

Project Description

Rebuild the Brevard Avenue/Rosa L Jones Drive traffic circle as a functioning public square and gateway entry feature for the southern entrance to Historic Cocoa Village.

Project Justification

The Traffic Circle is contained in the Cocoa CRA Waterfront Master Plan. The rebuilt square will address vehicle and pedestrian safety concerns as well as add to the inventory of public space. The CRA has completed preliminary engineering and is 50% complete with design and engineering.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,849,405	$163,684

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$1,685,721	Combination
Total Capital Costs	$1,685,721	

Financing Comments

TIF revenues as well as grants and other funding sources will be researched.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: ***New Fire Stations Construction - Subject to funding availability FY Start 2017 Quarter Q4

Project Location: Different City locations FY End 2017 Quarter Q1

Project Description

Construction of 3 new fire stations with 1 containing Admin Offices.

Project Justification

The annexation to the north and west, the City needs to re-align and construct new fire stations to decrease and maintain response times and provide more efficient coverage and to better serve to Cocoa.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$8,000,000	$1,500,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$300,000	$0	$4,551,699	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$4,851,699	Combination
2019	$1,648,301	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$6,500,000	

Financing Comments

Fire assessment /Bond

Funds carried forward from FY16

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: HEART OF COCOA MEETING ROOM FY Start 2017 Quarter Q4

Project Location: 217 Factory street FY End 2017 Quarter Q1

Project Description

To build a City / Community meeting room. The room will be about 36x23 with a bathroom.

Project Justification

The City has purchased the land at 217 Factory Street and is awaiting a tenant

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$5,000	$0	$155,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$160,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$160,000	

Financing Comments

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Water/Sewer Enterprise Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Meter reading Hand Held Utility Usage Reading Capture Devices FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

Project Description

Replacement of 14 Handheld Meter Reader reading capture devices with the Neptune Trimble Ranger 3Xe Data Collector. The Hardware is estimated at $5,950 each hand held, $485 each charging and communication cradle, $564 each unit per year for annual maintenance after two year warranty expires, and $2,500 in on-site system training.

Project Justification

The current Itron MV-RS has announced the end of new sales to be December 31, 2016 and the support for existing equipment to be December 31, 2021. The current technology was procured in 2011. We currently invest in the Neptune product for RF meter reading data collection using the MRX920 unit and the N_Sight R900 Software. This unit is new to the market and pushing it out to 2018 will allow for valuable feedback from other utility customers. It is also the only unity currently on the market that will read a mixed route of both visually read meters and Neptune RF registers maximizing the efficiency of collecting any given mixed route readings. The annual maintenance is also less on Neptune equipment than Itron by approximately $4,000 per year.

Strategic Connection: Strategic Plan/Utilities Master Plan

Utility Master Plan.

Total Cost of Project	Total Cost to Date
$101,486	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$91,090	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$7,896
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$7,896

Capital Costs and Proposed Financing by Fiscal Year

2018	$91,090	Revenue
2019	$10,396	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$101,486	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$20,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$20,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$20,000	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

Statement of Work (SOW), Pricing, & Payment Terms

***FASTER* Asset Solutions**

100% Employee-Owned

Created For:
City of Cocoa
Date:
March 27, 2017
Senior Software Consultant:
Steve Specht

Pricing in this proposal is valid for 60 days.

Qty	Description	Cost
FMIS Core COTS System		
400	001 – Software Cost: Standard Active Assets: This price includes up to quantity listed standard active assets (which are defined as originally valued at $5000 or greater and active). Each additional asset will be $100.00. This includes one instance of the FASTER Web Application with one database.	$40,000
1	050 – Unlimited Named Accounts: Unlimited user access (named accounts) included.	Included
Add-ons		
1	207nc – Dashboard Add-on: (See Offsetting Discount Below) Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.	$10,000
1	208 – Barcoding Software: Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.	$6,000

1	301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer: This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either: 1. To import a new fuel vendor fuel transaction file. 2. Or, to import a new fuel file from your existing vendor. The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy: 1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used). 2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing. 3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly. (This FI does not import Site & Dispenser information. You can add the importing of Site & Dispenser data to the SFI for an additional ($2,500) cost.)	$3,500
Go-Live Custom Work		
1	333e – Custom Integration: Export: Naviline Export This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.	$8,000
Data Services		
1	408 - Migration Data Conversion: The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration. A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.	$15,000
1	405 – Data Cleanup: If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.	n/a
Configuration & Training		
1	Migration Implementation and Project Management Services	$9,000

1	511 – System Overview Meetings (SOM): System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.	$6,600
1	512 – System Training/Go-Live: This training includes the below training agenda. Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.	See below
1	512a – Go-Live Week System Training - Asset Module (4 Hrs): Should include FASTER System Admin and Asset Managers.	$2,200
1	512b – Go-Live Week System Training - Maintenance Module (4 Hrs): Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.	$2,200
1	512c – Go-Live Week System Training - Parts Module (4 Hrs): Should include FASTER System Admin, Parts Staff and Parts Managers.	$2,200
1	512d – Go-Live Week System Training - Fuel Module (1 Hr): Should include FASTER System Admin and Fuel Clerk.	$550
1	512e – Go-Live Week System Training - Vendors & Accounting Modules (1.5 Hrs): Should include FASTER System Admin, Accounting Staff and Parts Managers.	$825
2	512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs): Should include FASTER System Admin and Technicians.	$1,375

1	512g – Go-Live Week System Training - Additional Trainers (TBD): The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost. Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module. To calculate your additional training costs: -- The cost (including room, board and travel) of the 1st trainer is included in the above costs. -- Travel, room and board will be a flat cost of $1,000 for each additional trainer. -- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require). -- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional $1,000 per trainer would apply for travel, room and board ($1,000 flat fee per trainer times the number of business weeks spanned).	TBD
Discounts		
1	900 – Existing WIN Customer Discount Discount for Existing FASTER WIN Customers	-$4,000
1	905ec – Existing FASTER WIN Customer Dashboard Discount	-$10,000
	Software & Services Total	**$93,450**

Upgrades & Support		
1	801 – Upgrades & Support: Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.	**$13,500**
	Upgrades & Support Total	**$13,500**

Payment Schedule By Milestone	
Milestone	**Percent Due**
Upon Purchase Confirmation	**30%**
COTS Software Delivery	**30%**

COTS System Overview	**20%**
Delivery of Converted Data and Go Live	**20%**
Hourly Work: Hourly work is billed monthly.	**TBD**

Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure. Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process. After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER.*

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

1. Equipment Inventory

- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

2. Graphics (Attachments) and Notes

3. Parts Inventory

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

4. Repair Types/Codes

5. Work Orders/Independent Parts/Deferred Repairs

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

6. Operational Cost/Fuel

- Transactional Detail

7. Equipment Templates

8. Billing History

FASTER Web Handles Data Differently

FASTER Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

Field Names

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

Applets No Longer Standalone

In *FASTER* Web, Applets have been consolidated into modules that represent roles. For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

Process Changes

- Budget account codes are required in FASTER Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type ‘L’ will be migrated to *FASTER* Web as a warranty with a cycle type of ‘Y’ for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web’s cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the ‘Other Cost’ column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.

2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

New Processes Supported in *FASTER* Web

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
- Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

Data Not Migrated

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

Data Not Migrated But Functionality Is Available in *FASTER* Web

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

Data Not Migrated And Functionality Is Not Available in *FASTER* Web

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilitates DB and instance by putting your Facilitates data in the same DB as your Fleet data; you will lose the ability to customize Facilitates separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$26,725	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$26,725	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$26,725	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Utility Privatization Services FY Start 2018 Quarter Q4

Project Location: Cocoa Beach and Cape Canaveral FY End 2018 Quarter Q1

Project Description

Service assistance for Patrick Air Force Base and Cape Canaveral Air Force Station privatization, which includes a two phase approach. Phase I includes development of RFQ response and Phase II is for contract negotiation.

Project Justification

Project area is with the City's Franchise Area and the City currently provides water to these bases.

Strategic Connection: Strategic Plan/Utilities Master Plan

NA

Total Cost of Project	Total Cost to Date
$1,442,935	$44,145

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$1,398,790	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,398,790	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,398,790	

Financing Comments

Phase I carry forward from FY17 in the amount of $1,398,790.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station FY Start 2018 Quarter Q3

Project Location: TCR Pump Station FY End 2018 Quarter Q1

Project Description

The project includes the replacement of the ATS at the TCR Pump Station which upon a power outage starts the backup power generator and transfers the power feed to the pumps from the main utility to the generator. The ATS failed over a year ago and an assessment was conducted which concluded it was not repairable.

Project Justification

This project is to replace the existing ATS with a new unit.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$200,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$200
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Computerized Maintenance Management System (CMMS) Implementation FY Start 2018 Quarter Q4

Project Location: Dyal FY End 2018 Quarter Q1

Project Description

This project will provide assistance to the City for the purchase and vendor implementation of a computer maintenance and management system (CMMS) package.

Project Justification

Provide CMMS support to populate the database and provide enhancements.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$200,000

Recurring Annual Costs

Operating	$6,000
Maintenance	$5,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$11,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

We estimate roughly $5,000/year in maintenance for programming assistance for the first two or three years.
Budgeted in account:
68-10 = 75,000
52-00 = 135,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Drinking Water System E&IC Reliability and Automation Improvements FY Start 2018 Quarter Q4

Project Location: Various FY End 2022 Quarter Q1

Project Description

Evaluate, design, purchase, build, programming and startup for electrical and I&C improvements at various locations to provide better automation and improved reliability. Improvements may include: power monitoring, report enhancement, redundant instrumentation, automating manual systems, control wiring for final control element feedback, and adding actuators to allow remote operation.

Project Justification

To provide improvements that will better automation and improved reliability.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and better automation.

Total Cost of Project	Total Cost to Date
$1,250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$250,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$250,000	Revenue
2019	$250,000	Revenue
2020	$250,000	Revenue
2021	$250,000	Revenue
2022	$250,000	Revenue
Total Capital Costs	$1,250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Groundwater Clearwell Transfer Pump Control System Upgrade FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Specificy equipment, procurement, installation and testing to upgrade the Dyal groundwater clearwell transfer pump control system.

Project Justification

The project has reached the end of its useful life.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$170,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$170,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$100

Capital Costs and Proposed Financing by Fiscal Year

2018	$170,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$170,000	

Financing Comments

Construction begins 10/17 ends 7/18
$100/year maintenance cost for SCADA "back-up"

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q2

Project Description

This project will replace the existing 48-inch pipe which is a single point of failure. The project improvements were developed based on assessment results.

Project Justification

The existing pipe is severely corroded and at risk of failure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$330,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$330,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$330,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$330,000	

Financing Comments

Design being completed in FY17.

Construction to start 01/18 and will be completed in 07/18.

30 year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP Package System PLC Upgrade - Cal Flow FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Design, bid, and construct a complete PLC upgrade to the cal flow system PLCs. Current PLCs are past he product line end of life.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$90,000

Recurring Annual Costs

Operating	$0
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$100

Capital Costs and Proposed Financing by Fiscal Year

2018	$90,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

Start 12/17 end 03/18

Project budget in FY17 but not expended, therefore rebudget for FY18.

$100/year maintenance cost for SCADA "back-ups"

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Design, bid, and construct a complete PLC upgrade to the belt filter press system PLCs. Current PLCs have past the product line end of life.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$160,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$160,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$160,000	

Financing Comments

Start 11/17 end 04/18Project budget in FY17 but not expended, therefore rebudget for FY18.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP SCADA server, OS and Server Software Upgrade FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

Specify equipment, procurement, installation, and testing of the Dyal SCADA server OS and service software replacement and improve the lack of storage for GIS at Utilities and CCTV for WFO. Re-purpose existing servers into City use in other non-critical applications. Includes the use of a cluster server environment for mission critical SCADA servers.

Project Justification

This will replace three control critical productions servers and repurpose servers into the City to use in other non critical applications.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$340,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$170,000

Recurring Annual Costs

Operating	$0
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$170,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$170,000	Revenue
Total Capital Costs	$340,000	

Financing Comments

Recurring 4 year life cycle.
Budgeted in accounts:
64-15 = $50,000
52-00 = $120,000
$1000/ year Maintenance cost for back up and Storage.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2020 SCADA Design Programming (Water Capital Project) FY Start 2020 Quarter Q4

Project Location: Dyal WTP FY End 2020 Quarter Q1

Project Description

this includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$120,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2021 SCADA Design Programming (Water Capital Project) FY Start 2021 Quarter Q4

Project Location: Dyal WTP FY End 2021 Quarter Q1

Project Description

This includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date
$60,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$60,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$60,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2022 SCADA Design Programming (Water Capital Project) FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

this includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$120,000	Revenue
Total Capital Costs	$120,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #03 (2008 Ford F250) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #03 (2008 Ford F250) Serial# 1FTNF21508EA79209

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$32,900

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,900	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,900	

Financing Comments

Replace date: 08/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #121 (2007 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #121 (2007 Ford F250 UTILITY) Serial# 1FTNF20578EA79208

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #130 (2010 Ford F250 UTILITY) FY Start 2019 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q4

Project Description

Replacement of vehicle #130 (2010 Ford F250 UTILITY) Serial# 1FTNF2A5XAEB36439

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,975	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$34,975	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,975	

Financing Comments

Replace Date: 08/08/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #23 (2009 Ford F250 UTILITY) FY Start 2019 Quarter Q3

Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q3

Project Description

Replacement of vehicle #23 (2009 Ford F250 UTILITY) Serial# 1FTNF20589EA32027

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,975	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$34,975	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,975	

Financing Comments

Replace Date: 06/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #47 (1996 Ford LNT8000) FY Start 2020 Quarter Q2

Project Location: Dyal WTP FY End 2020 Quarter Q2

Project Description

Replacement of vehicle #47 (1996 Ford LNT8000) Serial# 1FDYW82E1TVA27431

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$250,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$250,000	

Financing Comments

Replace Date: 01/30/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #78 (2004 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #78 (2004 Ford F250 UTILITY) Serial# 1FDNF20L94EB73420

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #94 (2005 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #94 (2005 Ford F250 UTILITY) Serial# 1FTNF20505EC87460

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS-19 Raw Water Well Rehabilitation FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

Project Description

This project is to assess the scope of well rehabilitation on a case by case basis and implement construction modifications to rehabilitate each well. Each well will be brought back to full discharge capacity and produce high raw water quality.

Project Justification

Cocoa currently has 48 raw water wells. Of the 48 wells, 34 wells are Floridian aquifer wells and are in need of rehabilitation. The wells are the very life blood of the utility system and the wells are critical to providing every potable water user the very water they drink. Many of the wells are over twenty years of age. The capacity of the wells has decreased over time due to casing leaks and other issues. The decrease in capacity also increases the wear on the pumps and requires more electrical power, thereby increasing the operational costs. Also, some of the wells have some water quality issues. The cost of rehabilitating the wells can extend the useful life by many years as opposed to drilling a new well.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate groundwater supply wells critical to the meeting water demands of Cocoa Utility customers

Total Cost of Project	Total Cost to Date
$2,838,979	$1,588,979

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$250,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$250,000	Revenue
2019	$250,000	Revenue
2020	$250,000	Revenue
2021	$250,000	Revenue
2022	$250,000	Revenue
Total Capital Costs	$1,250,000	

Financing Comments

Construction; start 10/17, end 9/22

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-56 Dyal Surface Water Filters Canopy and Enclosure FY Start 2018 Quarter Q1

Project Location: Dyal WTP FY End 2019 Quarter Q1

Project Description

This project iincludes installing a canopy and screened enclosure around the surface water filters to meet FDEP requirements to maintain 4-log virus inactivation provided by the ozone system and filters.

Project Justification

This project is to ensure continued compliance with the FDEP regulatory requirements for FDEP 4-log virus inactivation.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project is required to meet FDEP regulations.

Total Cost of Project	Total Cost to Date
$450,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$39,000	$0	$379,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$500
Personal	$0
Other Non-Capital	$0

Total Recurring Costs $500

Capital Costs and Proposed Financing by Fiscal Year

2018	$418,000	Bond
2019	$32,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY

Total Capital Costs $450,000

Financing Comments

$39,000 Design; start 10/17, end 4/18

$411,000 Construction; start 7/18, end 12/18
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2019 Quarter Q2

Project Description

This project includes replacement of the existing High Service Pump #4 diesel engine with an EPA Tier 4 diesel engine.

Project Justification

This project will bring the diesel engine up to current code.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project required to meet current code.

Total Cost of Project	Total Cost to Date
$970,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$98,000	$0	$0	$0

Recurring Annual Costs

Operating	$6,760
Maintenance	$2,964
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$9,724

Capital Costs and Proposed Financing by Fiscal Year

2018	$98,000	Bond
2019	$872,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$970,000	

Financing Comments

$98,000 Design;start 01/18, end 07/18

$872,000 Construction; start 10/18, end 02/19
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction FY Start 2019 Quarter Q4

Project Location: Dyal FY End 2019 Quarter Q1

Project Description

The project includes design and construction of a concrete slab with curb and tarp system. This is to store dewatered lime sludge, long term storage until the sludge can be removed from the plant site. The area with tarp system will protect the sludge from rain and contamination from invasive weeds.

Project Justification

The project will provide long term storage for the dewatered sludge.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$290,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$290,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$290,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction FY Start 2021 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

Project Description

The project includes a new stairway system to replace the existing ladder access system.

Project Justification

Existing system represents safety hazard.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$420,000	Revenue
Total Capital Costs	$420,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

Project Description

This project includes the update of the SWTP polymer feed system and associated controls. The scope also includes installation of a non-skid floor coating in the polymer room, replacement of failed fans in the first and second floor HVAC systems, replacement of the angle iron stair landing supports due to corrosion, and a control panel for the polymer system upstairs in the belt filter press room.

Project Justification

The new liquid polymer system is to replace a dry product bagged system with liquid system. This will improve safety in the polymer room with non slip flooring. The project includes the update of HVAC system that has reached it's usual life and structural improvements as identified in recent corrosion study at the facility.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$160,000	Revenue
Total Capital Costs	$160,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const. FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

This project includes installation of the third and fourth Disc Flow Pumps for the Lime Feed System including control wiring, speed, run/start/HOA/feedback.

Project Justification

There are two existing lime feed pumps to serve three softening basins. One pump is needed for each basin plus a unit for standby. A total of four pumps is needed.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$300,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$300,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$200
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$300,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$300,000	

Financing Comments

Construction to begin 12/17 will end 9/18
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q2

Project Description

This project includes sppecifying equipment, and the procurement, installation, and testing of the Dyal server UPS. This is to replace the UPS system with an upsized and more efficient system.

Project Justification

To replace the existing aging UPS system to make it more efficient and update the technology.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$50,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$50,000

Recurring Annual Costs

Operating	$0
Maintenance	$1,500
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,000	

Financing Comments

start 1/18, end 4/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT73 Dyal High Service Pump Control System Upgrade FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

This project includes redesigning the control panel wiring to create new local PCP PLC panel for increased reliability for the High Service Pumps.

Project Justification

The project will increase reliability for the high service pumps.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$140,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$140,000	Revenue
Total Capital Costs	$140,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #15 (2009 Ford F250 UTILITY) FY Start 2020 Quarter Q3

Project Location: Field Operations - Water FY End 2020 Quarter Q3

Project Description

Replacement of vehicle #15 (2009 Ford F250 UTILITY) Serial# 1FTNF205X9EA32028

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$38,100	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace date: 04/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #171 (2001 Ford F450 Dump) FY Start 2018 Quarter Q4

Project Location: Field Operations - Water FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #171 (2001 Ford F450 Dump) Serial# 1FDXF46F61EB81735

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$49,241	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$49,241

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$49,241	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$49,241	

Financing Comments

Replace Date: 09/06/2017-FY17City
requested replacement date: 09/06/2018-FY18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #174 (2009 Ford F250 Utility) FY Start 2020 Quarter Q4

Project Location: Field Operations - Water FY End 2020 Quarter Q4

Project Description

Replacement of vehicle #174 (2009 Ford F250 Utility) Serial# 1FTNF20519EA32029

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$38,100	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace Date: 08/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #29 (2002 Ford F450 Dump) FY Start 2020 Quarter Q1

Project Location: Field Operations - Water FY End 2020 Quarter Q1

Project Description

Replacement of vehicle #29 (2002 Ford F450 Dump) Serial# 1FDXF46FX2EB83229

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$70,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$70,900	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$70,900	

Financing Comments

Replace Date: 11/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #32 (2002 Ford F450 Dump) FY Start 2020 Quarter Q4

Project Location: Field Operations - Water FY End 2020 Quarter Q4

Project Description

Replacement of vehicle #32 (2002 Ford F450 Dump) Serial# 1FDXF46F62EB83230

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$71,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$71,900	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$71,900	

Financing Comments

Replace Date: 07/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #79 (2002 Ford F450 Utility) FY Start 2018 Quarter Q1

Project Location: Field Operations - Water FY End 2018 Quarter Q1

Project Description

Replacement of vehicle #79 (2002 Ford F450 Utility) Serial# 1FDXF46F82EB83228

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$53,939	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$53,939

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$53,939	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$53,939	

Financing Comments

Replace Date: 10/06/2017 - FY17City
requested replacement date: 10/06/2018-FY18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #92 (2008 Ford F350 Utility) FY Start 2019 Quarter Q3

Project Location: Field Operations - Water FY End 2019 Quarter Q3

Project Description

Replacement of vehicle #92 (2008 Ford F350 Utility) Serial# 1FDWF36538EA18192

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$76,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0

Total Recurring Costs $0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$76,900	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY

Total Capital Costs $76,900

Financing Comments

Replace Date: 06/29/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: 14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2019 Quarter Q2

Project Description

Replacement of existing 14"& 18" AC Raw Water pipeline from Well 17 to Approx. Well 15, which has a history of pipe failures, with new 16" PVC pipe along the same alignment. Installation of in-line isolation valves on existing 36" pipeline adjacent to new redundant line.

Project Justification

This project will replace existing aging infrastructureand increase reliability in the wellfield.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date
$2,445,000	$25,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,420,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$2,420,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$2,420,000	

Financing Comments

Design being done in house by the City in FY17 ($25,000 for survey and geotech). Starting 5/17Construction $2,420,000 in FY18 starting 02/18 ending 09/18
30 Year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Capital Plan Update FY Start 2018 Quarter Q4

Project Location: Cocoa FY End 2018 Quarter Q1

Project Description

Updating the City's Water FY19-FY40 Capital Plan based on the conditions and prioritization of the City's infrastructure annually for a five year period.

Project Justification

The City's infrastructure is continually aging and should be monitored to reprioritize the City's projects annually. This analysis will allow the Capital Plan to be updated according to the changing conditions of the system. The Capital Plan was completed in 2014 and will have a comprehensive update at a 5-year interval.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project updates to the Wastewater and Reclaimed Water Capital Improvement Plan.

Total Cost of Project	Total Cost to Date
$500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$500,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$500,000	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$500,000	

Financing Comments

Per the City, the Capital Plan Update will be encumbered in FY17. It is estimated that Carry forward for FY18 will be $500,000 (reserves).

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: DS-39 Merritt Island In-line Booster Pump Station FY Start 2018 Quarter Q4

Project Location: Merritt Island FY End 2019 Quarter Q2

Project Description

Installation of an in-line booster pump station with variable frequency drives (VFDs). Includes SCADA Design programming for PLC and HMI systems to support the project. This project is a cost effective alternative to the Pineda Causeway river crossing pipeline. (Reference: Water Capital Plan Project DS39-Alt)

Project Justification

This project will improve fire flow service in the area, and improve the efficiency of the distribution system in the area. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Distribution Infrastructure Improvements TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve efficiency and fire flows.

Total Cost of Project	Total Cost to Date
$1,440,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$150,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0

Total Recurring Costs $0

Capital Costs and Proposed Financing by Fiscal Year

2018	$150,000	Bond
2019	$1,290,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY

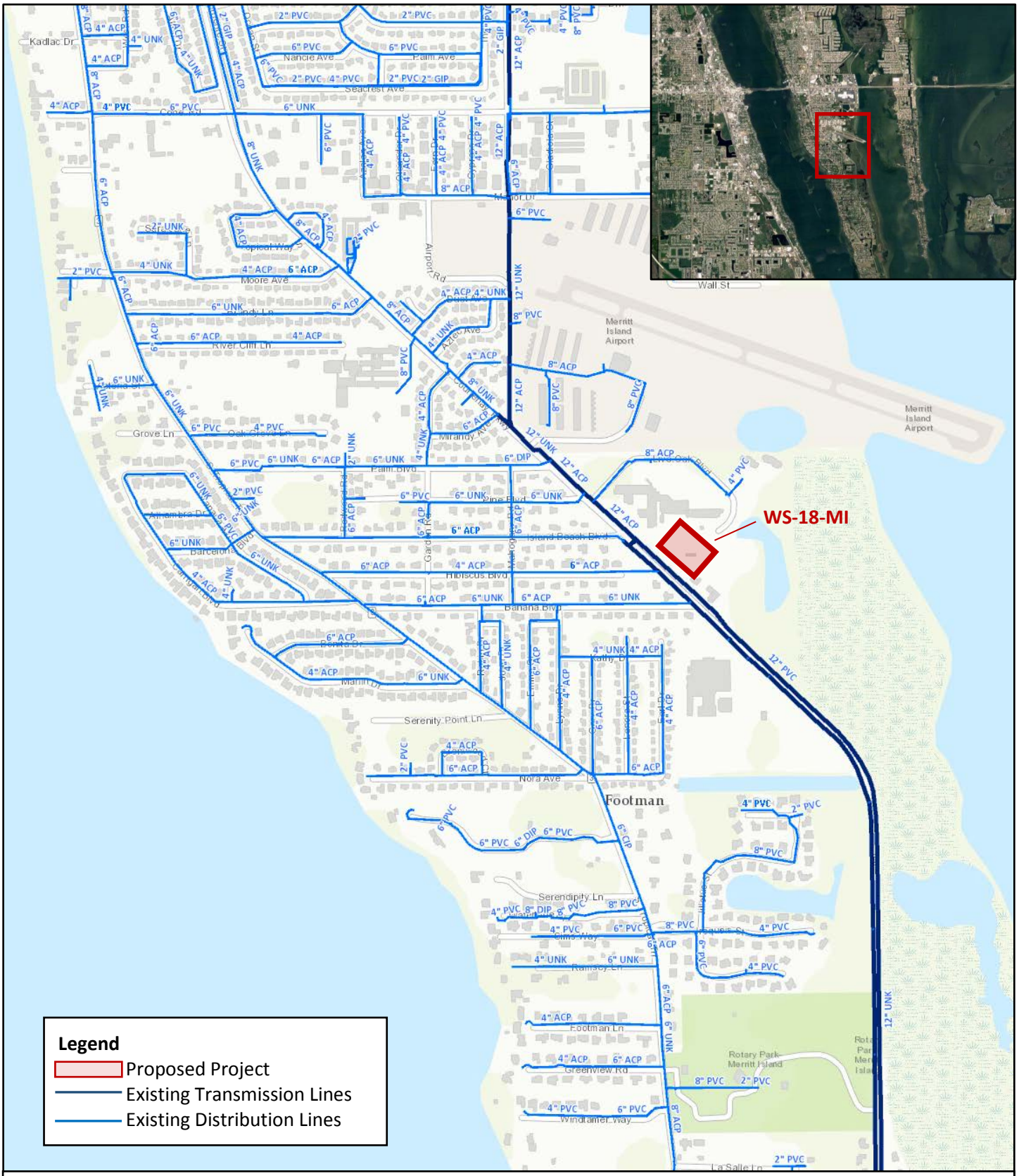
Financing Comments

$150,000 Design; start 02/18, end 08/18
$1,290,000 Construction; strt 11/18, end 08/19
30 Years or greater useful life
Following construction, operating & maintenance cost are estimated at roughly $18,000/year.

Total Capital Costs $1,440,000

CIE_Designation ☐

WS-18-MI – DS39 Merritt Island In-Line Booster Pump



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS40 Ivy Dr. and Fenner Rd. Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q2

Project Description

Installation of two looping 8-inch pipe segments at Gray Rd. and Fenner Rd. and Ivy Dr. 7 Range Rd. N (466 LF and 1474 LF respectively), and two looping 6-inch pipe segments at Sunhome St. and Kimberly St. and Sunhome St. and Clear Lake Rd. (275 LF and 641 LF respectively).

Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$610,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$610,000	Revenue
Total Capital Costs	$610,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS43 Pluckebaum Rd and A Ln Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

Project Description

this project includes installation of a looping 8-inch pipe segment at Pluckebaum Rd. and Clearlake Rd. (3,366 LF), and a looping 6-inch pipe segment at Robeson Rd. and A Ln. (798 LF).

Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$880,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$880,000	Revenue
Total Capital Costs	$880,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS55 Banana River Drive Canal Crossing FY Start 2022 Quarter Q3

Project Location: City FY End 2022 Quarter Q2

Project Description

This project will replace 200 feet of 12-inch ductile iron pipe at the canal crossing between Central and Bayside Streets on Banana River Drive.

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$200,000	Revenue
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

WS-17-BR – Banana River Tank Improvements



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-56 Banana River Tank Improvements FY Start 2018 Quarter Q3

Project Location: Merritt Island FY End 2020 Quarter Q3

Project Description

This project will replace two existing 2MG tanks in kind.

Project Justification

Improvements of the ammonia feed system are required for improvements of water quality in the distribution system. The existing tanks at Banana River are past their useful service life and are in need of replacement.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date
$4,332,136	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$370,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$370,000	Bond
2019	$1,169,634	Bond
2020	$2,792,502	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,332,136	

Financing Comments

$370,000 Design start 6/18 end 12/18 (Bond)

$3,962,136 Construction; start 4/19, end 4/20 (Bond)
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-60 Banana River and Viera Pump Station Chloramination Improvements FY Start 2020 Quarter Q4

Project Location: Merritt Island FY End 2020 Quarter Q1

Project Description

The design and construction of the project will change the existing chlorination system to chloramination system at Viera and Banana River Pump Stations. New systems will include 500 gallon tanks, spill containment, chemical injection system, chemical feed pumps, Chemscan system, precast concrete building, and miscellaneous piping and valves.

Project Justification

Improvements of the existing ystem are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date
$1,180,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$87,616	Revenue
2021	$1,092,384	Revenue
2022	$0	$0 this FY
Total Capital Costs	$1,180,000	

Financing Comments

$87,616 Design; start 10/19, end 6/20

$1,092,384 Construction; start 10/20, end 10/21

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS62 Imperial to Central Pipe Loop/Brown Circle FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

Project Description

The City of Cocoa Utilities will provide two loops from Imperial to Central along Astronaut and Imperial to Astronaut. The project is intended to provide looping in order to maintain water to customers in the event of a break along Brown or Imperial.

Project Justification

Improvements of the existing system are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$310,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$310,000	Revenue
Total Capital Costs	$310,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-63 Marlin Manor Pipeline Improvements - Construction FY Start 2018 Quarter Q3

Project Location: Rockledge FY End 2018 Quarter Q1

Project Description

This project will replace 7,500 feet of 4" and 6" AC pipe with 6" PVC piping in the Marlin Manor neighborhood due to history of catastrophic pipe failures and broken valves.

Project Justification

Replacement of aging pipe due to catastrophic AC pipe failures in this neighborhood.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$2,401,349	$301,349

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,100,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

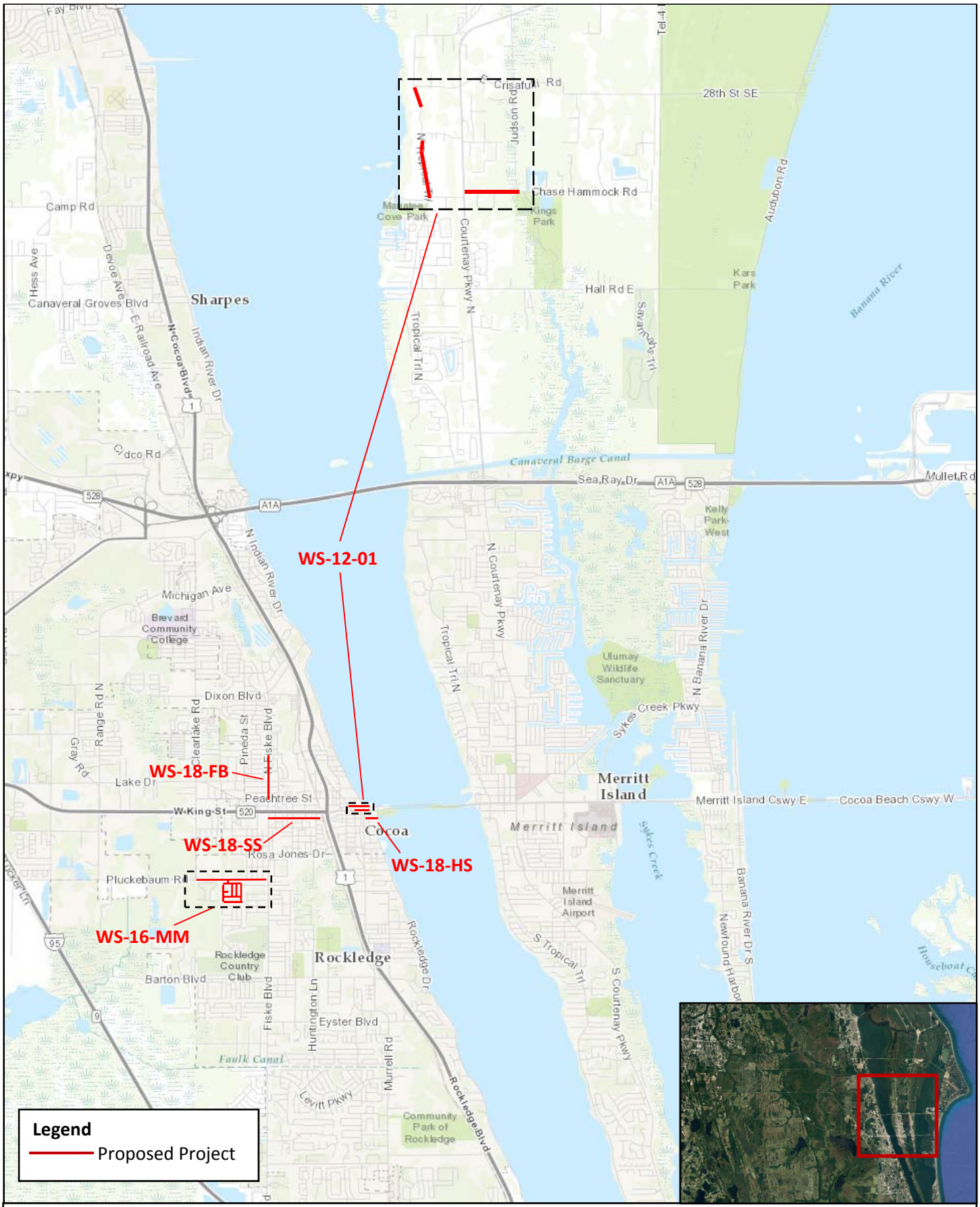
Capital Costs and Proposed Financing by Fiscal Year

2018	$2,100,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$2,100,000	

Financing Comments

The City would like construction in FY18.
$2,100,000 Construction; start 10/17, end 4/18
30 years or greater useful life

CIE_Designation ☐



COCOA FLORIDA

City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Chemical Conversion & Reliability Improvement Project - Construction FY Start 2018 Quarter Q2

Project Location: Dyal Plant FY End 2020 Quarter Q4

Project Description

This project includes chemical system upgrades, a redundant finished flow system and new pump station at the dyal Plant. Replacement of two existing back up power generators with same sized generators at the Dyal WTP. Location will be in a new building; Conversion to NaOCL and Liq NH3; (Reference: 2013 Water Capital Plan Project WT50 Emergency Generator Replacement; WT09 Conversion to NaOCl and Liq NH3; WT25 Redundant Finished Flow Pipe and Pit; New Pump Station). Includes SCADA Design programming for PLC and HMI systems to support the project.

Project Justification

This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details. The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and operational flexibility.

Total Cost of Project	Total Cost to Date
$21,831,954	$175,478

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$4,456,476	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$4,456,476	Bond
2019	$13,902,001	Bond
2020	$3,297,999	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$21,656,476	

Financing Comments

Design to be encumbered in FY17 - $2.8 M
Design carry forward FY17 - $1.8M (Reserves)
Construction Total; start 8/18, end 1/20
(Bond) $20,000,000. (FY18 $2.8M with estimated carryforward of $1.8M)
30 year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Fiber Optic Cable from Dyal WTP to Wewa WTP FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2018 Quarter Q1

Project Description

Design, bid, and contract for a new installation of fiber optic cable from the Dyal WTP control room FOPP to the Wewa WTP FOPP to support communications between the two facilities.

Project Justification

To create a hardline fiber optic connection from Dyal to the Wewahootee. This will improve data reliabilitly and data speed and support communications between water treatment infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will support communication between water treatment plants.

Total Cost of Project	Total Cost to Date
$1,150,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,150,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,150,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,150,000	

Financing Comments

City requested funding in FY18.$1,150,000; start 10/17, end 9/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Fiber Optic Cable from Police Department to Dyal WTP FY Start 2018 Quarter Q4

Project Location: SR 520 FY End 2018 Quarter Q1

Project Description

Design, bid and contract for a new installation of fiber Optic Cable from Police Department to Dyal WTP

Project Justification

To create a hardline fiber optic connection from Dyal to the City network. This will improve data reliabilitly and data speed and support communications between water treatment infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will improve communication between City departments.

Total Cost of Project	Total Cost to Date
$690,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$690,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$690,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$690,000	

Financing Comments

City to encumber in FY17. No funding in FY18.Project not done in FY17.City requested funding in FY18FY18 $690,000; start 10/17, end 9/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Fiske Boulevard Pipeline Improvements - Peachtree to Highland FY Start 2018 Quarter Q4

Project Location: Cocoa FY End 2018 Quarter Q1

Project Description

The project includes the replacement of 8" AC pipe along Fiske Blvd., between Mitchell and Park with 8" PVC pipe and move the pipeline out of the roadway; Replacement of 6" Cast Iron Pipe along Fiske Blvd., between Fern and Peachtree with 6" PVC and move the pipeline out of the roadway; Replacing all hydrants, install new service lines, move all valves out of the intersection and install new cross connection control devices within the project area.

Project Justification

The pipeline improvements will be completed as part of the Public Works road work improvements planned on Fiske Blvd.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,000,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,000,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,000,000	

Financing Comments

City requested construction in FY18. Construction to start 10/17 and be completed 9/18.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Harrison Street Streetscape (Utility portion) FY Start 2019 Quarter Q4

Project Location: Cocoa Village FY End 2019 Quarter Q1

Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These inprovements will improve the overall appearance of this area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$98,720	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$98,720	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$98,720	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Michigan Avenue Force Main (Carry Forward) FY Start 2018 Quarter Q4

Project Location: Michigan Avenue FY End 2018 Quarter Q1

Project Description

Installation of 3000 linear feet of sewer force main along Michian Avenue.

Project Justification

This project provides for redundancy and future growth in the sewer system.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$740,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$40,000	$0	$700,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$740,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$740,000	

Financing Comments

Design Carry Forward $40,000. $700,000 for construction.
30 years or greater useful life

CIE_Designation ☐

WS-17-MI – Michigan Avenue Force Main Extension (US 1 to Clearlake Road)



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stone Street Corridor Streetscaping (Utility portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017

Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$659,356	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$659,356	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$659,356	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$659,356	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Utilities Program Management FY Start 2018 Quarter Q4

Project Location: Cocoa Utilities FY End 2022 Quarter Q1

Project Description

The purpose of this project is to provide program management services, including program management/administration, design management, construction project support, asset management and public involvement services in support of funded Cocoa Utilities Capital Improvement Plan (CIP) program projects to be funded under the 2010 series bond and a future bond issue anticipated for the first quarter of 2017. Program Management services for projects funded by operating revenues will be funded separately, out of 2017 and 2018 operating revenue budgets.

Project Justification

In the Fall of 2011, the City of Cocoa initiated a program management approach for its Utilities CIP. This approach, while coupled with the Water Capital Plan (authorized in January 2012), enables a risk-based asset management approach for evaluating and prioritizing capital improvement projects to maximize the benefit to the City of Cocoa's rate payers and citizens. The Program approach allows a large volume of projects to be efficiently managed and implemented (including planning, design, bidding and construction), provides transparent financial management, and enables technical experts to be brought in as needed for short periods of time, all while generating new job opportunities for the local businesses and residents and improving Cocoa's level of service to its customers.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$13,026,092	$6,826,092

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$1,500,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,500,000	Revenue
2019	$1,400,000	Revenue
2020	$1,200,000	Revenue
2021	$1,100,000	Revenue
2022	$1,000,000	Revenue
Total Capital Costs	$6,200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Wastewater Capital Plan FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF and Collection / Transmission System FY End 2022 Quarter Q1

Project Description

Wastewater Capital Plan.

Project Justification

The Wastewater Capital Plan is updated annually to identify projects that need to be completed over the next 5 years for the Wastewater System. The plan requires a major update every 5 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$30,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$30,000	Revenue
2019	$300,000	Revenue
2020	$30,000	Revenue
2021	$30,000	Revenue
2022	$30,000	Revenue
Total Capital Costs	$420,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-03 Pigging and Flushing Improvements for Raw Water Pipelines FY Start 2022 Quarter Q4

Project Location: State Hwy 520 and Wewahootee Plant Road FY End 2022 Quarter Q1

Project Description

Design and construct pipeline improvements to allow for improved capabilities to pig and flush the raw water pipelines between Wewahootee and Dyal Plants. The project will also include changing out butterfly valves to gate valves. The project includes pigging and flushing of 36-inch pre-stressed concrete cylinder pipe (PCCP) and 42-inch reinforced concrete pipe (RCP) raw water pipelines. (Reference: 2013 Water Capital Plan Project WS-03)

Project Justification

Pigging and flushing are maintenance activities to clear debris that has built up in the raw water pipelines over time. This project is intended to improve the water supply system level of service and reliability as a part of the Utility's ongoing capital improvement program. Improved pigging and flushing of raw water pipelines will increase the hydraulic capacity of the lines. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and improve water quality.

Total Cost of Project	Total Cost to Date
$240,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

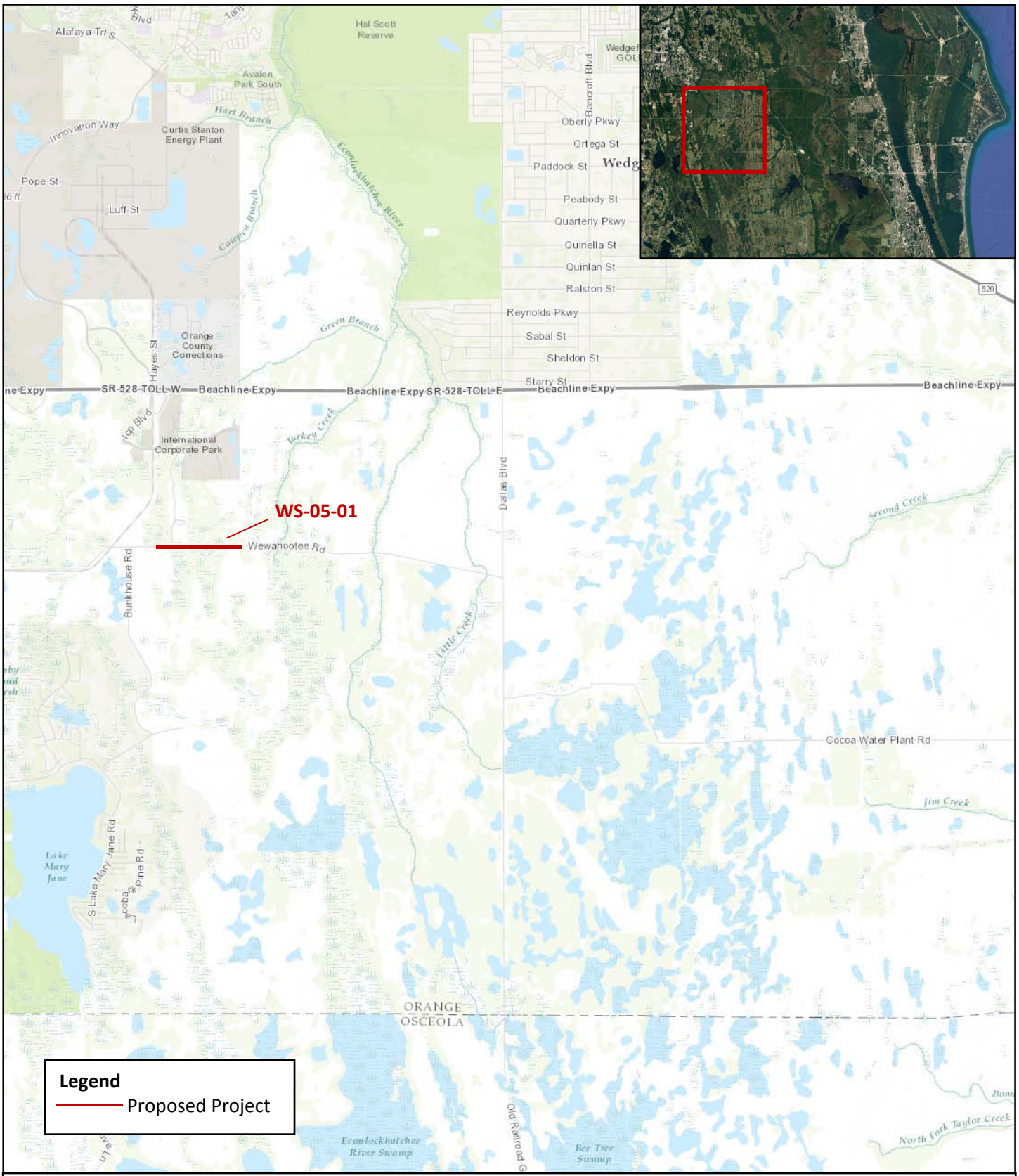
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$240,000	Revenue
Total Capital Costs	$240,000	

Financing Comments

$240,000 Design; start 10/21, end 6/22
Construction $2,290,000; start 8/22, end 7/23
Total $2,530,000

CIE_Designation ☐

WS-05-01 – 14”/18” AC Raw Water Pipeline Upgrade



City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

0 0.5 1mi

N

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-05 54 inch Redundant Pipe to Dyal FY Start 2021 Quarter Q3

Project Location: State Hwy 520 near Dyal WTP FY End 2022 Quarter Q1

Project Description

This projec includes installation of 2,950 LF of 54-inch redundant raw water pipeline which would run parallel to the existing 54-inch line. New 54-inch raw water line would terminate at the 48-inch clarifier influent line within the Dyal WTP. (Reference: 2013 Water Capital Plan Project WS-05)

Project Justification

The new redundant raw water pipe would provide greater flexibility by allowing the utility to take one line out of service for maintenance. The existing 54-inch raw water pipe represents a single point of failure for the raw groundwater source and if it were to fail, it would result in a significant impact on water production. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and maintenance of raw water supply system.

Total Cost of Project	Total Cost to Date
$3,420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$1,100,955	Revenue
2022	$2,319,045	Revenue
Total Capital Costs	$3,420,000	

Financing Comments

$290,000 Design; start 10/20, end 4/21

$3,130,000 Construction; start 7/21, end 5/22 (Bond) Total Project Cost $3,420,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa FY Start 2020 Quarter Q3

Project Location: Well field FY End 2022 Quarter Q1

Project Description

In East Orange County, the City of Cocoa has 48 raw water wells that deliver water to the Dyal plant for advanced treatment and distribution to customers. As the well field has expanded over the years, the raw water mains have been required to deliver greater quantities of water. The current pipes limit the available flow due to pressure losses and headloss. This project includes the installation of 14,300 LF of large diameter piping downstream of Well 13A continuing along Dallas Rd to the existing 42-inch water supply pipe near the intersection at Dallas Rd and Cocoa Water Plant Rd. Another segment includes approximately 700 feet of large diameter pipe near Well 17. This project will also eliminate the 14-inch asbestos cement (AC) piping. (Reference: 2013 Water Capital Plan Project WS-09)

Project Justification

The projects are intended to improve the water supply system level of service and reliability of the raw water piping. Redundant piping creates flexibility in the system, and reduces O&M costs by alleviating hydraulic constriction which makes pumping more efficient. The project also eliminates some inferior pipe material (AC). This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$8,296,169	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$99,892	Revenue
2021	$5,428,703	Revenue
2022	$2,767,574	Revenue
Total Capital Costs	$8,296,169	

Financing Comments

$99,892 Design; start 10/19, end 2/20

$8,196,277 Construction; start 10/20, end 4/22

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS11 Redundant Pipeline Well 20 to 23 - Design FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q3

Project Description

This project includes installation of approximately 8,300 LF of 24 and 30-inch redundant piping starting at Well 20 and terminating at well 23.

Project Justification

The project will provide redundancy in the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$390,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$390,000	Revenue
Total Capital Costs	$390,000	

Financing Comments

Design in FY2022 $390,000

Construction in FY2023 $4,200,000

30 years of greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS1201 Pipe Infrastructure Assessment and Replacement FY Start 2018 Quarter Q4

Project Location: Utility Service Area FY End 2022 Quarter Q1

Project Description

FY 18 construction projects: DS-31 Chase Hammock Rd Looping - Installation of approximately 5,800 LF of 6" and 8" PVC near the intersections of Chase Hammock Rd. & Judson Rd. and Royal Paddock Way & Stone Lake Dr., and along Forever Young Ln. AND SR-520 Water Distribution System Improvements-Replacement of existing 6" and 8" water mains and associated valves and fire hydrants along King and Willard Streets (State Road 520 eastbound and westbound), from Delannoy Street to Forrest Avenue, in the City of Cocoa. Portions of the approximately 2,500 linear foot alignment will be upsize from 6" to 8". FY 19-FY22:The current utility system consists of approximately 1400 miles of pipe infrastructure of various sizes, ages and materials. As the infrastructure ages, it must be replaced over time. This capital project consists of an assessment program to determine the most critical pipe infrastructure, program management to implement the projects as well as design, permitting and construction to replace aging pipe. This project will consist of engineering, construction, permitting and inspection services.

Project Justification

A systematic approach to plan and predict the replacement of pipe needs to be implemented. The Cocoa Utility pipe system is valued at $900,000,000 per the CH2MHill Asset Assessment report dated January 2010. Assuming a conservative life cycle of 100 years for pipe, the city should be replacing approximately 12 miles of pipe per year in perpetuity.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will assist to determine condition of pipe infrastructure and replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$23,608,964	$7,270,824

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,770,786	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

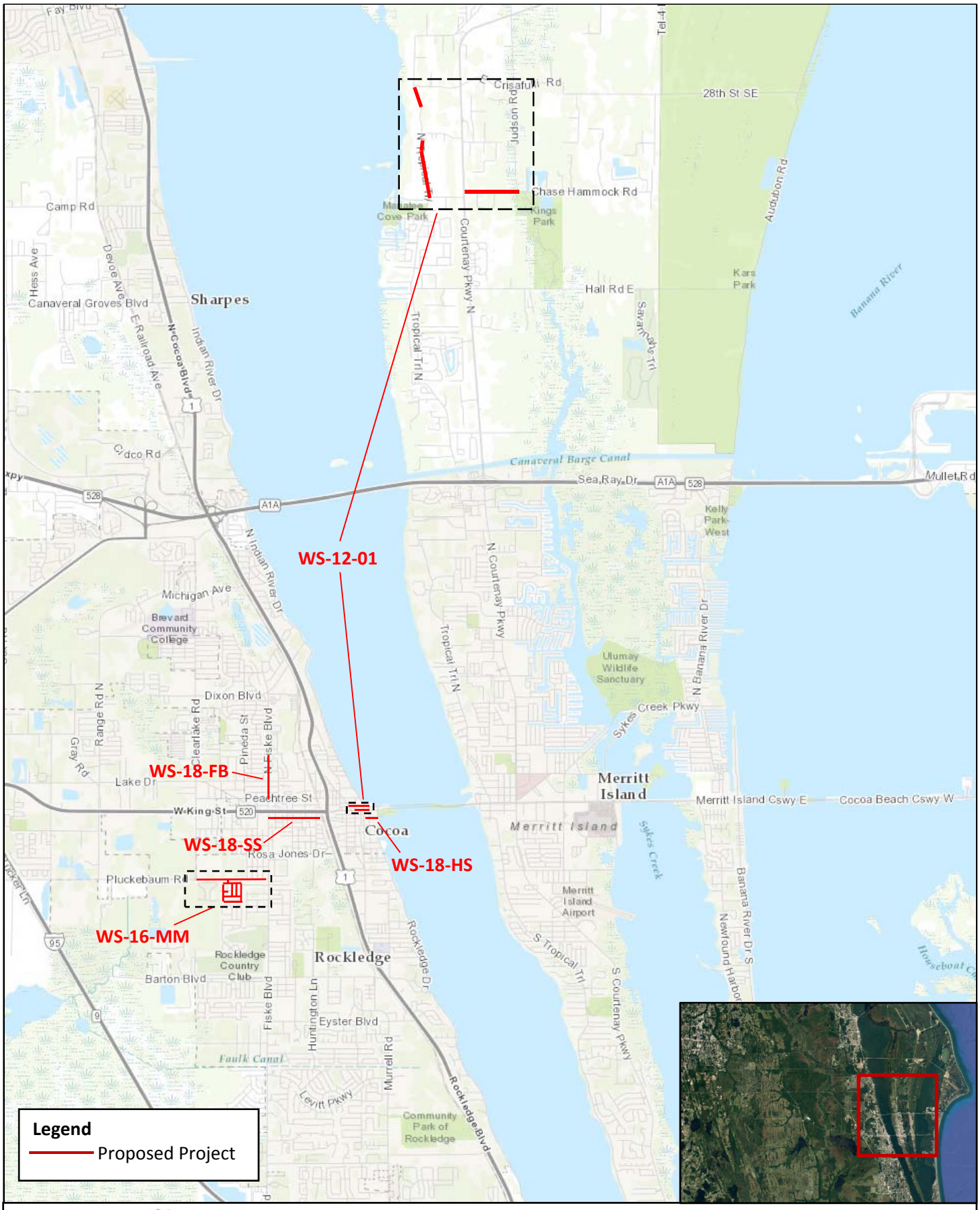
Capital Costs and Proposed Financing by Fiscal Year

2018	$2,770,786	Bond
2019	$2,142,744	Bond
2020	$3,000,000	Bond
2021	$3,424,610	Revenue
2022	$5,000,000	Revenue
Total Capital Costs	$16,338,140	

Financing Comments

FY18 Construction Projects:
Chase Hammock Construction: $960,000 start 10/17 end
SR 520 Construction: $1,501,274 Construction; start 1/18, end 09/18
30 years or greater useful life

CIE_Designation ☐



City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS20 Install New Well No. 17 FY Start 2019 Quarter Q4

Project Location: Wellfield FY End 2019 Quarter Q1

Project Description

this project includes construction of new Well No. 17. This includes well site location, permitting and construction of new well.

Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$820,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$820,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$820,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS22 Wellfield Security Improvements FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

Project Description

Security Improvement Recommendations: Work includes the increased security on western wells (well 15-25), including 8-foot fencing with barbwire, locks, 1-inch mesh, video (with real time video), lighting or infrared, motion sensors. There is no fiber/band width. New fiber network will be required. Existing telemetry can be used as a backup. Refer to VA (11/2002) work by Bill Phillips/GNV. Consider including fiber optic with 14,000' Little Econ/Dallas Pipeline Project.

Project Justification

The project will provide increased security to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$2,300,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$2,300,000	Revenue
Total Capital Costs	$2,300,000	

Financing Comments

30 years or greater
Fence in 63-00
other items in other accounts

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-02 Separation of Groundwater and Surface Water Clear Well FY Start 2018 Quarter Q4

Project Location: Dyal Plant FY End 2018 Quarter Q1

Project Description

The project includes construction of new surface water clear well and modifications to the existing clear well below the GW gravity filters to include a bypass following the surface water gravity filters. (Reference: 2013 Water Capital Plan Project WT-02)

Project Justification

Completion of this project will increase storage capacity and operational flexibility by allowing operations to reject flow from either treatment train (groundwater or surface water) without impacting the other. Completion of the project also contributes to effectively meeting future regulatory requirements and increases flexibility by isolating clear wells from each other during operation. Having separate clear wells prevents the need to empty both clear wells if non-compliant water entered one of them. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve flexibility and meet future regulations.

Total Cost of Project	Total Cost to Date
$11,475,086	$7,479,457

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$3,995,629	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$3,995,629	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$3,995,629	

Financing Comments

As of February 17 the project cost to date - $4,670,800It is assumed that $2,808,657 will be spent by 9/17which estimates the carry forward of $2M

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT37 Lime Feed and Storage System Improvements FY Start 2022 Quarter Q4

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project installation of new lime slurry feed pumps with VFDs controlled by flow and pH. The project includes modifing the lime silo bottom, installing new vibratory devices and installing new lime recirculation pumps to recirculate a portion of lime sludge back to feed.

Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$840,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$840,000	Revenue
Total Capital Costs	$840,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction FY Start 2022 Quarter Q4

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project includes the addition of a recarbonization basin at Reactor Clarifiers #1/#2 to provide full process train redundancy. Currently, Reactor Clarifiers #1/#2 discharge to a single recarbonization basin. If this recarbonization basin is off-line, then both Reactor Clarifiers #1/#2 are off-line and cannot provide softened water to the filters.

Project Justification

The project will provide redundancy to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,540,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$1,540,000	Revenue
Total Capital Costs	$1,540,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-51 Sulfuraetor FY Start 2019 Quarter Q3

Project Location: Wewahootee FY End 2020 Quarter Q1

Project Description

This project includes design and construction of a third Sulfuraetor at Wewahootee WTP. The project includes SCADA Design programming for PLC and HMI systems to support the project. (Reference: Water Capital Plan Project WT51)

Project Justification

The third Sulfuraetor provides redundancy and the capability to meet peak demand when one of the Sulfuraetors are taken offline for scheduled cleanings. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve treatment process reliability.

Total Cost of Project	Total Cost to Date
$3,560,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$310,000	Bond
2020	$3,250,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$3,560,000	

Financing Comments

$310,000 Design; start 10/18, end 6/19

$3,250,000 Construction; start 9/19, end 5/20
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-54 Tier 4 Generator Improvements FY Start 2019 Quarter Q2

Project Location: Dyal and Distribution FY End 2021 Quarter Q3

Project Description

This project includes replacing the existing generators with EPA Tier 4 generators at rhe TCR Pump Station, Wewahootee WTP (switchgear also), Banana River PS and Viera PS.

Project Justification

The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will allow emergency power systems to meet current regulations.

Total Cost of Project	Total Cost to Date
$4,290,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$430,000	Revenue
2021	$3,860,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$4,290,000	

Financing Comments

$430,000 Design; start 05/19, end 10/19

$3,860,000 Construction; start 10/20, end 1/21

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT58 Dyal WTP Storage Building FY Start 2022 Quarter Q3

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project will include the construct of a new pole-barn type structure to protect equipment from the elements.

Project Justification

There is no storage space at the plant for large equipment. This structure is needed to protect the equipment from the elements.

Strategic Connection: Strategic Plan/Utilities Master Plan

TBD

Total Cost of Project	Total Cost to Date
$220,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$220,000	Revenue
Total Capital Costs	$220,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT61 Dyal CO2 Bulk Package System FY Start 2020 Quarter Q4

Project Location: Dyal FY End 2020 Quarter Q1

Project Description

This project includes the removal of the existing steel pressure tanks and replacing it in kind with steel pressure tanks.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,040,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$90,000	Bond
2020	$950,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,040,000	

Financing Comments

design $90,000, construction $950,000
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-62 Dyal TTHM Prevention and/or Reduction FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

The project includes the evaluation and planning of a Unit Process to help prevent the creation of TTHM in water.

Project Justification

The City of Cocoa's distribution system has experienced rising TTHM sample results. This evaluation and planning effort will be to prohibit this trend from continuing.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve water quality.

Total Cost of Project	Total Cost to Date
$110,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$110,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$110,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$110,000	

Financing Comments

Planning $110,000; start 10/17, end 1/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-63 Replacement of Dyal Finished Water Steel GST FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2020 Quarter Q2

Project Description

This project includes removal of existing steel tank and design and installation of a new 5 MG Crom prestressed concrete tank at Dyal.

Project Justification

To replace existing aging ground storage tank.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$7,480,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$640,000	Bond
2020	$6,840,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$7,480,000	

Financing Comments

Design $640,000; start 01/19, end 10/19
Construction $6,840,000 in FY20; start 10/19, end 03/20
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements) FY Start 2020 Quarter Q2

Project Location: Dyal WTP FY End 2021 Quarter Q1

Project Description

This project includes mprovements to the ozone system at the Dyal WTP including replacement of the existing ozone generators and associated electrical, control panels and chiller replacement. (Reference: Water Capital Plan Project Update WT-45, WT-46, and WT-47)

Project Justification

The ozone generators and chillers are nearing the end of their life cycle which is estimated to be 2018. The new generators will be installed at the same location as the existing generators and will use the existing cooling system. These projects were identified under the technical evaluations under the 2013 Water System Capital Plan Update project. Ozone sidestream injection will result in higher ozone transfer efficiency and decreased maintenance primarily due to eliminating the need for maintenance on the current ozone diffusers. This project was identified under the 2012 Water System Capital Plan project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$4,550,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$1,513,504	Revenue
2021	$3,036,496	Revenue
2022	$0	$0 this FY
Total Capital Costs	$4,550,000	

Financing Comments

$390,000 Design; start 11/19, end 5/20

$4,160,000 Construction; start 8/20, end 2/21
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Biosolids Improvements Project FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Biosolids Improvements at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$2,200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$200,000	Revenue
2021	$200,000	Revenue
2022	$1,800,000	Revenue
Total Capital Costs	$2,200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Bracco Pond Aeration FY Start 2019 Quarter Q4

Project Location: Bracco Pond FY End 2019 Quarter Q1

Project Description

Installation of surface aerators at the Bracco Pond.

Project Justification

Installation of surface aerators in the Bracco Ponds to prevent toxic algae blooms. Algal blooms can cause nutrient levels to exceed requirements due to their toxic effects on biomass.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$115,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$115,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$115,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Bracco Pond Interconnect FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

Project Description

Automation of existing Bracco Pond Interconnect valve.

Project Justification

Existing Bracco Pond Interconnect valve is manually operated which requires operations staff to travel off site to provide supplemental reclaimed water to the Jerry Sellers WRF.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$90,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Chemical Storage Relocation FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Relocation of chemical storage and feed facilities to improve operations.

Project Justification

The location of the existing chemical storage and feed facilities makes it difficult to automatically control the quality of plant effluent. Relocating the facilities will allow for greater control and automation.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$700,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$100,000	Revenue
2020	$600,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$700,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: CMMS Update Phase II FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Data entry necessary to support use of CMMS. Purchasing of a printer to support use of the system.

Project Justification

The CMMS system is necessary to manage maintenance needs.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$50,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$50,000	$0	$0	$0

Recurring Annual Costs

Operating	$795
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$795

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,000	

Financing Comments

Annual License Renewal = $795

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Generator Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Generator Replacement at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$200,000	Revenue
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Internal Recycle Pump Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Replacement of the internal recycle pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$205,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$205,000	Revenue
Total Capital Costs	$205,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers Flow Improvements FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

Project Description

Upgrades to the influent pump station, reject water system, sludge pumps and digesters at the Jerry Sellers WRF.

Project Justification

Upgrades are required to improve operation of the facility.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date
$4,230,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$115,000	$0	$2,000,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$2,115,000	Bond
2019	$2,115,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,230,000	

Financing Comments

30 year useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers WRF Laboratory Expansion FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Expansion of the laboratory at the Jerry Sellers WRF.

Project Justification

Upgrades are required to improve operations of the facility.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$65,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$65,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$65,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$65,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers WRF Operating Permit Renewal FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Jerry Sellers WRF Operating Permit Renewal

Project Justification

The operating permit for the Jerry Sellers WRF expires in 2018 and must be renewed.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$65,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$65,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$65,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$65,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: LCP No. 1 Rehabilitation FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Rehabilitation of Local Control Panel No. 1.

Project Justification

Rehabilitation or replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$200,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: MCC and Conduit Replacement Project (Carry Forward) FY Start 2018 Quarter Q2

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Electrical wire and conduit replacement project

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date
$2,500,000	$1,720,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$80,000	$0	$700,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$780,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$780,000	

Financing Comments

Carry Forward

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Michigan Pond Supplemental Reuse FY Start 2019 Quarter Q4

Project Location: Michigan Pond FY End 2020 Quarter Q1

Project Description

Upgrades at the Michigan Pond to return reclaimed water to the Jerry Sellers WRF through the existing collection and transmission system.

Project Justification

During dry periods, it is difficult to meet the reclaimed water demand. Returning water from Michigan Pond will supplement the existing supply.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$715,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$65,000	Revenue
2020	$650,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$715,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Mud Lake Wetlands FY Start 2019 Quarter Q4

Project Location: Cocoa Conservation Area FY End 2020 Quarter Q1

Project Description

Feasibility study, permitting, final design, and construction of a reclaimed water application system at Mud Lake in the Cocoa Conservation Area.

Project Justification

Successfully implementing a reclaimed water application system at the Mud Lake wetlands would provide another disposal alternative for reclaimed water during wet weather, further reducing the need to dispose of reclaimed water in the Indian River Lagoon.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,190,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$40,000	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

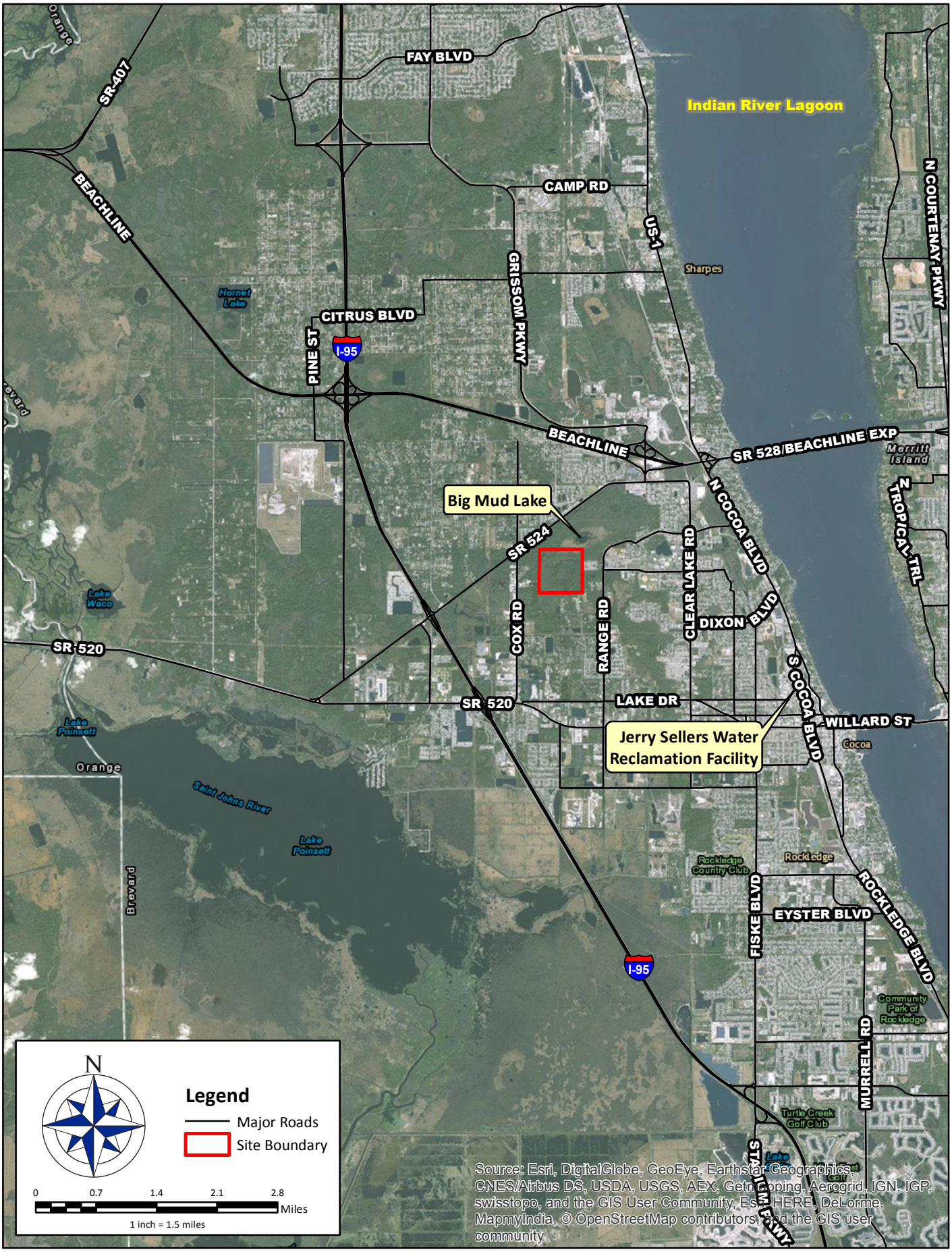
Capital Costs and Proposed Financing by Fiscal Year

2018	$40,000	Revenue
2019	$400,000	Revenue
2020	$750,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,190,000	

Financing Comments

30 Year useful life

CIE_Designation ☐


Indian River Lagoon
FAY BLVD
SR-407
BEACHLINE
CAMP RD
US-1
GRISSOM PKWY
N COURTENAY PKWY
Sharpes
Hornet Lake
CITRUS BLVD
PINE ST
I-95
BEACHLINE
SR 528/BEACHLINE EXP
Merritt Island
Big Mud Lake
SR 524
N COCOA BLVD
N TROPICAL TRL
CLEAR LAKE RD
COX RD
RANGE RD
DIXON BLVD
Lake Waco
SR 520
SR 520
LAKE DR
S COCOA BLVD
WILLARD ST
Jerry Sellers Water Reclamation Facility
Cocoa
Lake Poinsett
Orange
Saint Johns River
Lake Poinsett
Brevard
Rockledge Country Club
Rockledge
FISKE BLVD
EYSTER BLVD
ROCKLEDGE BLVD
I-95
Community Park of Rockledge
MURRELL RD
Turtle Creek Golf Club
N
Legend
Major Roads
Site Boundary
0 0.7 1.4 2.1 2.8
Miles
1 inch = 1.5 miles
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: New F150 Ref Cab FY Start 2018 Quarter Q4

Project Location: Sewer Field Operations FY End 2018 Quarter Q1

Project Description

Tranportaion needed for the New Reuse Coordinator position pending approval.

Project Justification

Tranportaion needed for the New Reuse Coordinator position pending approval.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$21,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$21,200

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$21,200	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$21,200	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Reclaimed Water Pump Replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

Project Description

Replacement of the existing reclaimed water pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$600,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$600,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$600,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of MCCs 7 and 8 FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Replacement of MCCs 7 and 8 at the Jerry Sellers WRF.

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$550,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$550,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$550,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #42 (2006 Ford E250 VAN) FY Start 2019 Quarter Q2

Project Location: Field Operations - Water Reclamation FY End 2019 Quarter Q2

Project Description

Replacement of vehicle #42 (2006 Ford E250 VAN) Serial# 1FTNE24W26DA11486.

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$30,237	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$30,237	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$30,237	

Financing Comments

Replace Date: 01/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: RTU Replacement FY Start 2018 Quarter Q4

Project Location: Cocoa Collection System FY End 2022 Quarter Q1

Project Description

Replacement of the existing Motorola MOSCAD L RTU at the lift stations to the Motorola ACE3600, including panel enclosures.

Project Justification

The Motorola MOSCAD L RTU is currently used in 50 of the City's wastewater lift stations. One lift station does not have a RTU. The MOSCAD L RTU is no longer manufactured and considered an obsolete technology. With little spare parts and replacement RTUs, integration of the new ACE3600 is recommended to maintain system functionality and product support. A new panel enclosure is required to house the new technology and City standard components.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$750,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$150,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$150,000	Revenue
2019	$150,000	Revenue
2020	$150,000	Revenue
2021	$150,000	Revenue
2022	$150,000	Revenue
Total Capital Costs	$750,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Tank recoating project FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Recoating of tanks at the Jerry Sellers WRF.

Project Justification

Recoating of tanks to protect structures.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$250,000	Revenue
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Transfer pump replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

Project Description

Replacement of the existing transfer pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$430,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$430,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$430,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: UV Disinfection Conversion FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Conversion from sodium hypochlorite to UV disinfection at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$2,530,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$2,530,000	Revenue
Total Capital Costs	$2,530,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Valve Identification Project FY Start 2017 Quarter Q4

Project Location: Jerry Seller WRF FY End 2017 Quarter Q1

Project Description

Locating and Identifying all wastewater and reclaimed water valve assets on the Jerry Sellers WRF and inputting data in a GIS database. Data will includes valve type, valves size, and valve location.

Project Justification

The Jerry Sellers WRF was constructed in multiple phases over a period of 60 years. There a numerous valves on site with unknown locations and purposes. The project would provide a database of valves and function for use by plant operation staff.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$60,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$60,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$60,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$60,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Water Reclamation E250 Van FY Start 2018 Quarter Q2

Project Location: Wastewater FY End 2018 Quarter Q2

Project Description

2005 E250 Ford Van Vin #1FTNE24L75HB45908.

Project Justification

City of Cocoa Active Fleet.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$56,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$56,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$56,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$56,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: CIPP Rehabilitation Phases 3 - 6 FY Start 2018 Quarter Q3

Project Location: Cocoa Collection System FY End 2018 Quarter Q1

Project Description

Rehabilitation of CIPP of select gravity sewers in the Lift Station 10, 13, and 21 service areas and Lift Station 2 service area South of King St. (SR 520) in FY18. Rehabilitation of CIPP of select gravity sewers in the lift Station 15, 17 and 18 service areas in FY19. Rehabilitation of CIPP of select gravity sewers in the Lift Station 4, 5, 6 and 7 service areas in FY2020. Rehabilitation of CIPP of various gravity sewers selected based on the results of the cleaning and CCTV data in FY2021.

Project Justification

After an analysis of the collection system through CCTV data and the wastewater hydraulic model, pipes in this project were identified to have excessive structural defects including (but not limited to) cracks, fractures, holes, broken pipe, and infiltration. Infiltration contributes to hydraulic deficiencies, increased risk of SSO, and increased flows at the wastewater treatment plant, causing unnecessary treatment and increased treatment costs.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate aging infrastructure essential to the sanitary sewer collection system.

Total Cost of Project	Total Cost to Date
$1,600,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$35,000	$0	$365,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$400,000	Revenue
2019	$400,000	Revenue
2020	$400,000	Revenue
2021	$400,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$1,600,000	

Financing Comments

CIE_Designation ☐

Prepared For:

COCOA FLORIDA

Prepared By:

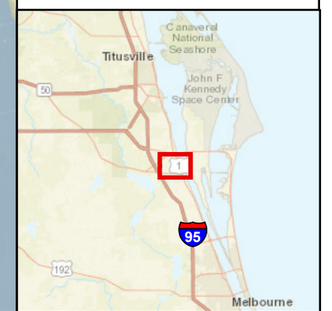
CDM Smith

Legend

- Existing Sewer Manhole
- Existing Gravity Sewer
- Existing Forcemain
- CIPP Phase 3 Manholes
- CIPP Phase 3 Gravity Sewer
- CIPP Phase 4 Manholes
- CIPP Phase 4 Gravity Sewer
- CIPP Phase 5 Manholes
- CIPP Phase 5 Gravity Sewer

N

0 800 1,600 Feet



Wastewater Collection System Evaluation

City of Cocoa, Florida

CIPP Improvement Projects Phases 3, 4 & 5

CP-Fig 1.7-R3

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Lift Station No. 1 Replacement FY Start 2021 Quarter Q4

Project Location: Cocoa Collection System FY End 2021 Quarter Q1

Project Description

Lift Station No. 1 Replacement.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project is identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$700,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$700,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$700,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #53 (2009 Ford F250 UTILITY) FY Start 2021 Quarter Q2

Project Location: Field Operations - Sewer FY End 2021 Quarter Q2

Project Description

Replacement of vehicle #53 (2009 Ford F250 UTILITY) Serial# 1FTNF20569EA32026.

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$38,100	Revenue
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace Date: 10/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Water Reclamation Fleet E250 Van FY Start 2019 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2019 Quarter Q2

Project Description

Purchase of 2006 E250 Ford Van. Vin # 1FTNE24W26DA11486.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$30,237	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$30,237	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$30,237	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WFO Sewer F250 Utility Ford FY Start 2018 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2018 Quarter Q1

Project Description

Purchase of 2009 F250 Ford Utility Truck. Vin # 1FTNF20569EA32026.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$38,100	Reserves
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WFO Sewer F450 Dump Ford FY Start 2021 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2021 Quarter Q2

Project Description

Purchased of 2001 F450 Ford Dump Truck. Vin # 1FDXF46F81EB77802.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$75,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$75,900	Revenue
2022	$0	$0 this FY
Total Capital Costs	$75,900	

Financing Comments

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Stormwater Enterprise Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Curb & Gutter R&M Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

Project Justification

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$50,000	Revenue
2019	$50,000	Revenue
2020	$50,000	Revenue
2021	$50,000	Revenue
2022	$50,000	Revenue
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Cured in Place Pipe Lining FY Start 2018 Quarter Q4

Project Location: City wide FY End 2022 Quarter Q1

Project Description

Cured in place pipe lining for the cities many miles of old metal drainage pipes through out the city.

Project Justification

There are old metal pipes throughout the city in various diameters that carry stormwater thoughout the city's drainage system. When these pipes fail, flow is blocked, and flooding results. A failed pipe also allows soil to enter the pipe, causing damage to roads, structures and yards. By lining these pipes it reduces the amount of material entering the river, reduces flooding risks, and decreases damage. Each pipe is approximately 100 feet in length and the average price per foot ranges from $40 to $100 per foot, depending on pipe size and condition.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$200,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$200,000	Revenue
2020	$200,000	Revenue
2021	$200,000	Revenue
2022	$200,000	Revenue
Total Capital Costs	$1,000,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date
$140,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$140,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$140,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$140,000	

Financing Comments

Possible funding through the SCTPO and FDOT
1,750,000 funded by General funds
140,000 funded by Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Harrison Street Streetscape (Stormwater portion) FY Start 2018 Quarter Q4

Project Location: Cocoa Village FY End 2018 Quarter Q1

Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These inprovements will improve the overall appearance of this area

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$95,867	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$95,867	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,867	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Indian River Drive Baffle Box FY Start 2019 Quarter Q4

Project Location: Indian River Drive FY End 2022 Quarter Q1

Project Description

Install baffle boxes on Indian River Drive (IRD) outfall pipes.

Project Justification

To meet increasingly strict water quality standards, water quality flowing from IRD to the lagoon must be improved. Due to limited property, installation of nutrient-removal baffle boxes is the only practical way to improve water quality in this area. Installation of four baffle boxes at $20,000 each is proposed each year. The goal is to have all outfalls treated in 10 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$320,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$80,000	Revenue
2020	$80,000	Revenue
2021	$80,000	Revenue
2022	$80,000	Revenue
Total Capital Costs	$320,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 **Dept/Div:** 3570

CIP #: CP-SW-17-MB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Mechanical Broom Sweeper FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

Project Description

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for a more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

Project Justification

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$310,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$310,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$310,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D3

Project Name: Pipe Range Road Drainage Ditch FY Start 2020 Quarter Q4

Project Location: Range Road FY End 2020 Quarter Q1

Project Description

Install 3000 feet of Surplus 48" DIP water pipe and inlets on Range Road from Hooper Rd. north to Cocoa Bay Blvd.

Project Justification

Range Road is a heavy traveled road between SR 520 and Rosentine consisting of residential properties. Presently there is an open ditch conveyance system to collect stormwater. By piping this ditch it will reduce maintenance costs and even more importantly reduce safety issues. Public Works proposes this work to be done in three phases with the first phase being engineering, then two construction phases consisting of 1500 feet each.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$250,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$250,000	

Financing Comments

PD&E cost $25,000Construction/Rehab cost 225,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stone street Corridor Streetscaping (Stormwater portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2018 and construction could begin in Q4 of FY 2017.

Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$120,414	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$120,414	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$120,414	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,414	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stormwater GIS Asset Mapping FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2019 Quarter Q1

Project Description

Map and enter stormwater pipes, manholes, catch basins, and other assets in GIS Data base

Project Justification

The city's NPDES permit requires the city to have an inventory of its physical assets. Currently, old mylar maps are the primary method of asset management. Cocoa has invested in a GIS system to manage its assets city wide. In order to enter stormwater assets into the database, they must be located in the field, inspected and described as to the condition and material. Brevard County has offeredto provide these services to the city. The advantage to having the county provide this service would be a seamless database system as storm water naturally flows between the city and county boundaries.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$130,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$80,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$80,000	Revenue
2019	$50,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$130,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: US1 and Forrest Ave Stormwater Facility FY Start 2018 Quarter Q4

Project Location: Intersection of US 1 and Forrest Ave FY End 2019 Quarter Q1

Project Description

Construct a dry retention pond for storm water treatment prior to entering the Indian River

Project Justification

The City of Cocoa obtained this property from the Florida Department of Transportation. The location will allow the city to construct a dry retention pond to treat storm water prior to entering the Indian River

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$385,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$32,000	$0	$0	$218,000

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$250,000	Revenue
2019	$135,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$385,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Yale Industrial Forklift FY Start 2018 Quarter Q4

Project Location: Public Works FY End 2018 Quarter Q1

Project Description

Replacement forklift for Public Works

Project Justification

The current forklift was inherited from the utility department in 2007. It was 10 years old at the time. It does not have the lift capacity or the reach or the safety features needed for what the division needs. The new forklift will have a 5000 pound capacity and a higher reach, plus enhanced safety features thus making the operation safer for the operator as well as other workers who my be near by

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$32,000

Recurring Annual Costs

Operating	$100
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,000	

Financing Comments

CIE_Designation ☐



Capital Improvement Program
FY 2018 through FY 2022

Adopted



Capital Improvement Program
FY 2018 – 2022

Capital Improvement Program

FY 2018 through FY 2022

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CIP Summary List Period FY 2018 - FY 2022

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	1103								
CP-IT-17-AE		52-00	Operating	$95,600	$0	$0	$0	$0	$95,600
Aegis 11 Enterprise Upgrade									
CP-IT-18-FR		63-00	Infrastructure	$0	$89,956	$0	$0	$0	$89,956
Complete City Fiber Ring									
1103 Division TOTAL				$95,600	$89,956	$0	$0	$0	$185,556

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2100								
CP-PD-18-L1	PD16IT	64-15	IT Machinery & Equipmen	$52,000	$52,000	$52,000	$52,000	$52,000	$260,000
Laptops for Officers/Patrol Vehicles									
CP-PD-13-VA		64-00	Machinery & Equipment	$0	$100,000	$0	$0	$0	$100,000
Refabricate SWAT Vehicle									
CP-PD-14-V0		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-14-V9		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V3		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V4		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-15-V5		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-16-V5		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-13-VT		64-00	Machinery & Equipment	$0	$0	$0	$35,200	$0	$35,200
Replacement Patrol Vehicle									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2100								
CP-PD-13-VB		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-16-V7		64-00	Machinery & Equipment	$0	$0	$0	$0	$35,200	$35,200
Replacement Patrol Vehicle									
CP-PD-13-V8		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-13-V2		64-00	Machinery & Equipment	$0	$0	$34,500	$0	$0	$34,500
Replacement Patrol Vehicle									
CP-PD-13-V0		64-00	Machinery & Equipment	$0	$0	$33,818	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-CP		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-8V		64-00	Machinery & Equipment	$0	$32,818	$0	$0	$0	$32,818
Replacement Patrol Vehicle									
CP-PD-13-4V		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-2V		64-00	Machinery & Equipment	$0	$33,818	$0	$0	$0	$33,818
Replacement Patrol Vehicle									
CP-PD-13-V9		64-00	Machinery & Equipment	$0	$0	$32,818	$0	$0	$32,818
Replacement Patrol Vehicle									
2100 Division TOTAL				$52,000	$286,272	$222,136	$192,800	$192,800	$946,008

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2101								
CP-PD-18-R1	RC2014	64-00	Machinery & Equipment	$0	$0	$0	$52,771	$52,771	$105,542
P25 Radio Replacement									
2101 Division TOTAL				$0	$0	$0	$52,771	$52,771	$105,542

Fund	Dept/Div	2018	2019	2020	2021	2022	Total Capital Costs
001	2201						

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2201								
CP-FD-18-LP		64-00	Machinery & Equipment	$43,019	$0	$0	$0	$0	$43,019
LifePak 15 V4 Monitor/Defibrillator									
CP-FD-17-BA		64-00	Machinery & Equipment	$0	$0	$236,816	$0	$0	$236,816
Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders									
CP-FD-17-EP		64-00	Machinery & Equipment	$0	$0	$0	$526,179	$0	$526,179
Replace E30 a 2006 Pierce Enforcer pumper									
CP-FD-17-PE		64-00	Machinery & Equipment	$0	$497,277	$0	$0	$0	$497,277
Replace E31 a 2002 Pierce Enforcer Pumper									
2201 Division TOTAL				$43,019	$497,277	$236,816	$526,179	$0	$1,303,291

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3200								
CP-CS-17-ES		68-10	Software	$0	$0	$52,720	$0	$0	$52,720
Electronic Plan Review - Software									
3200 Division TOTAL				$0	$0	$52,720	$0	$0	$52,720

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3510								
CP-PW-18-SM		63-00	Infrastructure	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Annual Sidewalk Maintenance/Replacement Program									
CP-PW-11-PP	PW08SP	63-00	Infrastructure	$300,000	$300,000	$300,000	$300,000	$300,000	$1,500,000
Annual Street Paving Program									
CP-PW-15-BM		63-00	Infrastructure	$0	$120,000	$0	$0	$0	$120,000
Broadview Manor Street Lighting									
CP-PW-17-FS	PW17SI	63-00	Infrastructure	$1,750,000	$0	$0	$0	$0	$1,750,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-PS		63-00	Infrastructure	$0	$675,000	$0	$0	$0	$675,000
Pineda Street Roadway and Sidwalk Reconstruction									
CP-PW-18-SI		63-00	Infrastructure	$100,000	$0	$0	$0	$0	$100,000
SR 520 Interim Safety Improvements									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	3510								
CP-PW-18-SB		64-00	Machinery & Equipment	$0	$48,000	$48,000	$48,000	$48,000	$192,000
Steel bench replacement program									
CP-CD-11-SS	CD1205	63-00	Infrastructure	$580,552	$60,552	$0	$0	$0	$641,104
Stone Street Corridor Streetscaping (General Funds portion)									
			3510 Division TOTAL	$2,780,552	$1,253,552	$398,000	$398,000	$398,000	$5,228,104
Fund	**Dept/Div**			2018	2019	2020	2021	2022	Total Capital Costs
001	3540								
CP-PW-18-FW	3540-001	52-00	Operating	$0	$26,725	$0	$0	$0	$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
CP-PW-18-FB	3540-001	68-10	Software	$0	$20,000	$0	$0	$0	$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
			3540 Division TOTAL	$0	$46,725	$0	$0	$0	$46,725
Fund	**Dept/Div**			2018	2019	2020	2021	2022	Total Capital Costs
001	3560								
CP-PW-18-HV		64-00	Machinery & Equipment	$0	$40,000	$50,000	$0	$0	$90,000
City Hall HVAC replacement									
CP-PW-13-CR		62-00	Building	$0	$35,000	$830,000	$0	$0	$865,000
Cocoa Civic Center Rehabilitation									
CP-PW-18-WR		46-00	Repair & Maintenance	$0	$0	$63,000	$0	$0	$63,000
Cocoa PD Wall Rehab									
CP-PW-18-F2		46-02	R&M Building	$36,000	$0	$0	$0	$0	$36,000
Fire #2 Rehab									
CP-PW-18-PB		46-02	R&M Building	$0	$76,000	$0	$0	$0	$76,000
Public Works Pole Barn Rehab									
CP-PW-17-S3		46-02	R&M Building	$0	$75,000	$0	$0	$0	$75,000
Roof replacement Fire station #3									
CP-PW-18-SP		46-02	R&M Building	$32,000	$0	$0	$0	$0	$32,000
Seal/Paint Police department									

Fund	Dept/Div									
001	3560			2018	2019	2020	2021	2022	Total Capital Costs
		3560 Division TOTAL		$68,000	$226,000	$943,000	$0	$0	$1,237,000
Fund	**Dept/Div**								
001	3580			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-17-DM		64-00	Machinery & Equipment	$50,000	$50,000	$0	$0	$0	$100,000
2 Digital message boards									
CP-PW-17-JS	CP1504	62-00	Building	$175,000	$4,385,000	$0	$0	$0	$4,560,000
New Joe L. Smith Center for Justice									
CP-PW-16-FS		63-00	Infrastructure	$0	$95,000	$0	$0	$0	$95,000
Total Fitness system									
CP-PW-18-TC		64-00	Machinery & Equipment	$0	$25,025	$25,025	$0	$0	$50,050
Trash Can replacement									
		3580 Division TOTAL		$225,000	$4,555,025	$25,025	$0	$0	$4,805,050
		001 Fund Total		$3,264,171	$6,954,807	$1,877,697	$1,169,750	$643,571	$13,909,996
Fund	**Dept/Div**								
110	3230			2018	2019	2020	2021	2022	Total Capital Costs
CP-CD-18-FA	CP1502	63-00	Infrastructure	$260,000	$0	$0	$0	$0	$260,000
6 Forrest Avenue Gateway Entry Feature									
CP-PW-18-BA		63-00	Infrastructure	$0	$0	$500,000	$3,500,000	$0	$4,000,000
Brevard Ave Streetscape Project									
CP-CD-14-TD	CS14LW	63-00	Infrastructure	$414,000	$0	$0	$0	$0	$414,000
Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction)									
CP-CD-13-SP	CD1401	63-00	Infrastructure	$0	$0	$0	$0	$433,000	$433,000
Cocoa Village Wayfinding and Signage Program									
CP-CS-16-DG		62-00	Building	$0	$5,500,000	$0	$0	$0	$5,500,000
Downtown Parking Garage									
CP-CS-16-HS	CS15HS	63-00	Infrastructure	$0	$396,994	$0	$0	$0	$396,994
Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion)									

Fund	Dept/Div									
110	3230			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-17-PP		63-00	Infrastructure	$0	$0	$125,000	$0	$0	$125,000
Lee Wenner Park Paving and Striping									
CP-CS-16-RP	PW16RP	63-00	Infrastructure	$45,000	$0	$0	$0	$0	$45,000
Riverfront Park Day Slips									
CP-CS-15-MF	CD1501	63-00	Infrastructure	$0	$0	$245,354	$0	$0	$245,354
Riverfront Park Mooring Field									
CP-CS-17-TC		63-00	Infrastructure	$0	$0	$0	$0	$1,685,721	$1,685,721
Southern Gateway Traffic Circle									
		3230 Division TOTAL		$719,000	$5,896,994	$870,354	$3,500,000	$2,118,721	$13,105,069
		110 Fund Total		$719,000	$5,896,994	$870,354	$3,500,000	$2,118,721	$13,105,069

Fund	Dept/Div									
301	3580			2018	2019	2020	2021	2022	Total Capital Costs
CP-FD-11-NS		62-00	Building	$4,851,699	$1,648,301	$0	$0	$0	$6,500,000
***New Fire Stations Construction - Subject to funding availability									
CP-CP-15-01	CP1501	62-00	Building	$160,000	$0	$0	$0	$0	$160,000
HEART OF COCOA MEETING ROOM									
		3580 Division TOTAL		$5,011,699	$1,648,301	$0	$0	$0	$6,660,000
		301 Fund Total		$5,011,699	$1,648,301	$0	$0	$0	$6,660,000

Fund	Dept/Div									
421	1515			2018	2019	2020	2021	2022	Total Capital Costs
CP-FN-17-MR		64-15	IT Machinery & Equipmen	$91,090	$10,396	$0	$0	$0	$101,486
Meter reading Hand Held Utility Usage Reading Capture Devices									
		1515 Division TOTAL		$91,090	$10,396	$0	$0	$0	$101,486

Fund	Dept/Div									
421	4010			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-FE	3540-001	52-00	Operating	$0	$26,725	$0	$0	$0	$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									

Fund	Dept/Div									
421	4010			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-FA	3540-001	68-10	Software	$0	$20,000	$0	$0	$0	$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
CP-WS-18-AF	WS16UP	31-00	Professional Services	$1,398,790	$0	$0	$0	$0	$1,398,790
Utility Privatization Services									
4010 Division TOTAL				$1,398,790	$46,725	$0	$0	$0	$1,445,515

Fund	Dept/Div									
421	4020			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-AT	WS18AS	63-00	Infrastructure	$200,000	$0	$0	$0	$0	$200,000
Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station									
CP-WS-18-CI	WS1117	63-00	Infrastructure	$200,000	$0	$0	$0	$0	$200,000
Computerized Maintenance Management System (CMMS) Implementation									
CP-WS-18-AI	WS18DW	63-00	Infrastructure	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
Drinking Water System E&IC Reliability and Automation Improvements									
CP-WS-18-GC	WS18DG	63-00	Infrastructure	$170,000	$0	$0	$0	$0	$170,000
Dyal Groundwater Clearwell Transfer Pump Control System Upgrade									
CP-WS-18-RC	WS18DP	63-00	Infrastructure	$330,000	$0	$0	$0	$0	$330,000
Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction									
CP-WS-17-DG	WS17LC	63-00	Infrastructure	$90,000	$0	$0	$0	$0	$90,000
Dyal WTP Package System PLC Upgrade - Cal Flow									
CP-WS-17-OZ	WS17FC	63-00	Infrastructure	$160,000	$0	$0	$0	$0	$160,000
Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press									
CP-WS-18-SU	WS18SC	63-00	Infrastructure	$170,000	$0	$0	$0	$170,000	$340,000
Dyal WTP SCADA server, OS and Server Software Upgrade									
CP-WS-17-WC		68-10	Software	$0	$0	$120,000	$0	$0	$120,000
FY2020 SCADA Design Programming (Water Capital Project)									
CP-WS-17-CA		63-00	Infrastructure	$0	$0	$0	$60,000	$0	$60,000
FY2021 SCADA Design Programming (Water Capital Project)									

Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
421	4020								
CP-WS-18-SD		68-10	Software	$0	$0	$0	$0	$120,000	$120,000
FY2022 SCADA Design Programming (Water Capital Project)									
CP-WS-17-V6		64-00	Machinery & Equipment	$32,900	$0	$0	$0	$0	$32,900
Replacement of vehicle #03 (2008 Ford F250)									
CP-WS-17-V7		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #121 (2007 Ford F250 UTILITY)									
CP-WS-17-V11		64-00	Machinery & Equipment	$0	$34,975	$0	$0	$0	$34,975
Replacement of vehicle #130 (2010 Ford F250 UTILITY)									
CP-WS-17-V10		64-00	Machinery & Equipment	$0	$34,975	$0	$0	$0	$34,975
Replacement of vehicle #23 (2009 Ford F250 UTILITY)									
CP-WS-15-LN		64-00	Machinery & Equipment	$0	$0	$250,000	$0	$0	$250,000
Replacement of vehicle #47 (1996 Ford LNT8000)									
CP-WS-17-V8		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #78 (2004 Ford F250 UTILITY)									
CP-WS-17-V9		64-00	Machinery & Equipment	$34,500	$0	$0	$0	$0	$34,500
Replacement of vehicle #94 (2005 Ford F250 UTILITY)									
CP-WS-16-WR	WS1106	63-00	Infrastructure	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
WS-19 Raw Water Well Rehabilitation									
CP-WS-16-FC	WS18SW	63-00	Infrastructure	$418,000	$32,000	$0	$0	$0	$450,000
WT-56 Dyal Surface Water Filters Canopy and Enclosure									
CP-WS-16-DE	WS18DE	63-00	Infrastructure	$98,000	$872,000	$0	$0	$0	$970,000
WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement									
CP-WS-18-DL		63-00	Infrastructure	$0	$290,000	$0	$0	$0	$290,000
WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction									
CP-WS-18-LS	WS18CB	63-00	Infrastructure	$0	$0	$0	$0	$420,000	$420,000
WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction									
CP-WS-18-DB		64-00	Machinery & Equipment	$0	$0	$0	$0	$160,000	$160,000
WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction									

Fund	Dept/Div									
421	4020			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-DF	WS18CP	63-00	Infrastructure	$300,000	$0	$0	$0	$0	$300,000
WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const.									
CP-WS-18-PS	WS18UP	63-00	Infrastructure	$50,000	$0	$0	$0	$0	$50,000
WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade									
CP-WS-18-PC		63-00	Infrastructure	$0	$0	$0	$0	$140,000	$140,000
WT73 Dyal High Service Pump Control System Upgrade									
4020 Division TOTAL				$2,822,400	$1,763,950	$870,000	$560,000	$1,510,000	$7,526,350

Fund	Dept/Div									
421	4025			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-V17		64-00	Machinery & Equipment	$0	$0	$38,100	$0	$0	$38,100
Replacement of vehicle #15 (2009 Ford F250 UTILITY)									
CP-WS-15-71		64-00	Machinery & Equipment	$49,241	$0	$0	$0	$0	$49,241
Replacement of vehicle #171 (2001 Ford F450 Dump)									
CP-WS-16-V6		64-00	Machinery & Equipment	$0	$0	$38,100	$0	$0	$38,100
Replacement of vehicle #174 (2009 Ford F250 Utility)									
CP-WS-15-29		64-00	Machinery & Equipment	$0	$0	$70,900	$0	$0	$70,900
Replacement of vehicle #29 (2002 Ford F450 Dump)									
CP-WS-15-32		64-00	Machinery & Equipment	$0	$0	$71,900	$0	$0	$71,900
Replacement of vehicle #32 (2002 Ford F450 Dump)									
CP-WS-18-V1		64-00	Machinery & Equipment	$53,939	$0	$0	$0	$0	$53,939
Replacement of vehicle #79 (2002 Ford F450 Utility)									
CP-WS-15-92		64-00	Machinery & Equipment	$0	$76,900	$0	$0	$0	$76,900
Replacement of vehicle #92 (2008 Ford F350 Utility)									
4025 Division TOTAL				$103,180	$76,900	$219,000	$0	$0	$399,080

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-WP	WS0501	63-00	Infrastructure	$2,420,000	$0	$0	$0	$0	$2,420,000
14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-CP	WS1210	68-10	Infrastructure	$500,000	$0	$0	$0	$0	$500,000
Capital Plan Update									
CP-WS-14-39	WS18MI	63-00	Infrastructure	$150,000	$1,290,000	$0	$0	$0	$1,440,000
DS-39 Merritt Island In-line Booster Pump Station									
CP-WS-18-FL		63-00	Infrastructure	$0	$0	$0	$0	$610,000	$610,000
DS40 Ivy Dr. and Fenner Rd. Looping									
CP-WS-18-PB		63-00	Infrastructure	$0	$0	$0	$0	$880,000	$880,000
DS43 Pluckebaum Rd and A Ln Looping									
CP-WS-18-BR		63-00	Infrastructure	$0	$0	$0	$0	$200,000	$200,000
DS55 Banana River Drive Canal Crossing									
CP-WS-17-BR	WS18BR	63-00	Infrastructure	$370,000	$1,169,634	$2,792,502	$0	$0	$4,332,136
DS-56 Banana River Tank Improvements									
CP-WS-16-PS	DSCO	63-00	Infrastructure	$0	$0	$87,616	$1,092,384	$0	$1,180,000
DS-60 Banana River and Viera Pump Station Chloramination Improvements									
CP-WS-18-PL		63-00	Infrastructure	$0	$0	$0	$0	$310,000	$310,000
DS62 Imperial to Central Pipe Loop/Brown Circle									
CP-WS-16-MM	WS16MM	63-00	Infrastructure	$2,100,000	$0	$0	$0	$0	$2,100,000
DS-63 Marlin Manor Pipeline Improvements - Construction									
CP-WS-12-DP	WS1404	63-00	Infrastructure	$4,456,476	$13,902,001	$3,297,999	$0	$0	$21,656,476
Dyal Chemical Conversion & Reliability Improvement Project - Construction									
CP-WS-17-WE	WS18WF	63-00	Infrastructure	$1,150,000	$0	$0	$0	$0	$1,150,000
Fiber Optic Cable from Dyal WTP to Wewa WTP									
CP-WS-17-FO	WS17FO	63-00	Infrastructure	$690,000	$0	$0	$0	$0	$690,000
Fiber Optic Cable from Police Department to Dyal WTP									
CP-WS-18-FB	WS18FB	63-00	Infrastructure	$1,000,000	$0	$0	$0	$0	$1,000,000
Fiske Boulevard Pipeline Improvements - Peachtree to Highland									
CP-UT-18-HS	WS18HS	63-00	Infrastructure	$0	$98,720	$0	$0	$0	$98,720
Harrison Street Streetscape (Utility portion)									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-MA	WS17MI	63-00	Infrastructure	$740,000	$0	$0	$0	$0	$740,000
Michigan Avenue Force Main (Carry Forward)									
CP-WS-18-SS	WS18SS	63-00	Infrastructure	$659,356	$0	$0	$0	$0	$659,356
Stone Street Corridor Streetscaping (Utility portion)									
CP-WS-13-PM	WS1221	63-00	Infrastructure	$1,500,000	$1,400,000	$1,200,000	$1,100,000	$1,000,000	$6,200,000
Utilities Program Management									
CP-WS-18-TS	WS1210	68-10	Software	$30,000	$300,000	$30,000	$30,000	$30,000	$420,000
Wastewater Capital Plan									
CP-WS-14-03	WS0501	63-00	Infrastructure	$0	$0	$0	$0	$240,000	$240,000
WS-03 Pigging and Flushing Improvements for Raw Water Pipelines									
CP-WS-14-05	WS-05	63-00	Infrastructure	$0	$0	$0	$1,100,955	$2,319,045	$3,420,000
WS-05 54 inch Redundant Pipe to Dyal									
CP-WS-05-01	WS0501	63-00	Infrastructure	$0	$0	$99,892	$5,428,703	$2,767,574	$8,296,169
WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa									
CP-WS-18-RP		63-00	Infrastructure	$0	$0	$0	$0	$390,000	$390,000
WS11 Redundant Pipeline Well 20 to 23 - Design									
CP-WS-12-PL	WS1201	63-00	Infrastructure	$2,770,786	$2,142,744	$3,000,000	$3,424,610	$5,000,000	$16,338,140
WS1201 Pipe Infrastructure Assessment and Replacement									
CP-WS-18-NW		63-00	Infrastructure	$0	$820,000	$0	$0	$0	$820,000
WS20 Install New Well No. 17									
CP-WS-18-SI		63-00	Infrastructure	$0	$0	$0	$0	$2,300,000	$2,300,000
WS22 Wellfield Security Improvements									
CP-WS-14-02	WS1402	63-00	Infrastructure	$3,995,629	$0	$0	$0	$0	$3,995,629
WT-02 Separation of Groundwater and Surface Water Clear Well									
CP-WS-18-LF		63-00	Infrastructure	$0	$0	$0	$0	$840,000	$840,000
WT37 Lime Feed and Storage System Improvements									
CP-WS-18-BE		63-00	Infrastructure	$0	$0	$0	$0	$1,540,000	$1,540,000
WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction									

Fund	Dept/Div									
421	4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-15-SU	WS1508	63-00	Infrastructure	$0	$310,000	$3,250,000	$0	$0	$3,560,000
WT-51 Sulfuraetor									
CP-WS-16-GI	WT-54	63-00	Infrastructure	$0	$0	$430,000	$3,860,000	$0	$4,290,000
WT-54 Tier 4 Generator Improvements									
CP-WS-18-SB		62-00	Building	$0	$0	$0	$0	$220,000	$220,000
WT58 Dyal WTP Storage Building									
CP-WS-18-BP		63-00	Infrastructure	$0	$90,000	$950,000	$0	$0	$1,040,000
WT61 Dyal CO2 Bulk Package System									
CP-WS-17-TT	WS18DT	64-00	Machinery & Equipment	$110,000	$0	$0	$0	$0	$110,000
WT-62 Dyal TTHM Prevention and/or Reduction									
CP-WS-17-DF	WS18RD	63-00	Infrastructure	$0	$640,000	$6,840,000	$0	$0	$7,480,000
WT-63 Replacement of Dyal Finished Water Steel GST									
CP-WS-15-OI	WT-CO	64-00	Machinery & Equipment	$0	$0	$1,513,504	$3,036,496	$0	$4,550,000
WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements)									
4055 Division TOTAL				$22,642,247	$22,163,099	$23,491,513	$19,073,148	$18,646,619	$106,016,626

Fund	Dept/Div									
421	4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-BS		63-00	Infrastructure	$0	$0	$200,000	$200,000	$1,800,000	$2,200,000
Biosolids Improvements Project									
CP-WS-17-PA	WW-32	63-00	Infrastructure	$0	$115,000	$0	$0	$0	$115,000
Bracco Pond Aeration									
CP-WS-18-BI	WW-32	63-00	Infrastructure	$0	$90,000	$0	$0	$0	$90,000
Bracco Pond Interconnect									
CP-WS-18-CS		63-00	Infrastructure	$0	$100,000	$600,000	$0	$0	$700,000
Chemical Storage Relocation									
CP-WS-18-UP	WS17CM	63-00	Infrastructure	$50,000	$0	$0	$0	$0	$50,000
CMMS Update Phase II									

Fund	Dept/Div									
421	4120				2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-GR		63-00	Infrastructure		$0	$0	$0	$0	$200,000	$200,000
Generator Replacement										
CP-WS-18-IP		63-00	Infrastructure		$0	$0	$0	$0	$205,000	$205,000
Internal Recycle Pump Replacement										
CP-WS-18-FI	WS16SF	63-00	Infrastructure		$2,115,000	$2,115,000	$0	$0	$0	$4,230,000
Jerry Sellers Flow Improvements										
CP-WS-18-LE	WS18SE	62-00	Building		$65,000	$0	$0	$0	$0	$65,000
Jerry Sellers WRF Laboratory Expansion										
CP-WS-18-OP	WS18PR	31-00	Professional Services		$65,000	$0	$0	$0	$0	$65,000
Jerry Sellers WRF Operating Permit Renewal										
CP-WS-18-LP		63-00	Infrastructure		$0	$0	$0	$200,000	$0	$200,000
LCP No. 1 Rehabilitation										
CP-WS-18-CR	WS1222	63-00	Infrastructure		$780,000	$0	$0	$0	$0	$780,000
MCC and Conduit Replacement Project (Carry Forward)										
CP-WS-18-MP		63-00	Infrastructure		$0	$65,000	$650,000	$0	$0	$715,000
Michigan Pond Supplemental Reuse										
CP-WS-17-ML	WS1510	63-00	Infrastructure		$40,000	$400,000	$750,000	$0	$0	$1,190,000
Mud Lake Wetlands										
CP-WS-18-FR		64-00	Machinery & Equipment		$21,200	$0	$0	$0	$0	$21,200
New F150 Ref Cab										
CP-WS-18-WP		63-00	Infrastructure		$0	$0	$0	$600,000	$0	$600,000
Reclaimed Water Pump Replacement										
CP-WS-18-RM		64-00	Machinery & Equipment		$0	$0	$0	$550,000	$0	$550,000
Replacement of MCCs 7 and 8										
CP-WS-17-V16		64-00	Machinery & Equipment		$0	$30,237	$0	$0	$0	$30,237
Replacement of vehicle #42 (2006 Ford E250 VAN)										
CP-WS-17-RT	WS17RT	63-00	Infrastructure		$150,000	$150,000	$150,000	$150,000	$150,000	$750,000
RTU Replacement										

Fund 421	Dept/Div 4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-TR		63-00	Infrastructure	$0	$0	$0	$0	$250,000	$250,000
Tank recoating project									
CP-WS-18-TP		63-00	Infrastructure	$0	$0	$0	$430,000	$0	$430,000
Transfer pump replacement									
CP-WS-18-DC		63-00	Infrastructure	$0	$0	$0	$0	$2,530,000	$2,530,000
UV Disinfection Conversion									
CP-WS-17-VI	WS17VA	63-00	Infrastructure	$60,000	$0	$0	$0	$0	$60,000
Valve Identification Project									
CP-WS-17-V2		64-00	Machinery & Equipment	$56,000	$0	$0	$0	$0	$56,000
Water Reclamation E250 Van									
	4120 Division TOTAL			$3,402,200	$3,065,237	$2,350,000	$2,130,000	$5,135,000	$16,082,437

Fund 421	Dept/Div 4125			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-R3	WS0904	63-00	Infrastructure	$400,000	$400,000	$400,000	$400,000	$0	$1,600,000
CIPP Rehabilitation Phases 3 - 6									
CP-WS-18-SR		63-00	Infrastructure	$0	$0	$0	$700,000	$0	$700,000
Lift Station No. 1 Replacement									
CP-WS-17-V18		63-00	Infrastructure	$0	$0	$0	$38,100	$0	$38,100
Replacement of vehicle #53 (2009 Ford F250 UTILITY)									
CP-WS-17-V1	WW-33	64-00	Machinery & Equipment	$0	$0	$30,237	$0	$0	$30,237
Water Reclamation Fleet E250 Van									
CP-WS-17-V3	WW-36	64-00	Machinery & Equipment	$0	$0	$0	$38,100	$0	$38,100
WFO Sewer F250 Utility Ford									
CP-WS-17-V4	WW-37	64-00	Machinery & Equipment	$0	$0	$0	$75,900	$0	$75,900
WFO Sewer F450 Dump Ford									
	4125 Division TOTAL			$400,000	$400,000	$430,237	$1,252,100	$0	$2,482,337
	421 Fund Total			$30,859,907	$27,526,307	$27,360,750	$23,015,248	$25,291,619	$134,053,831

Fund	Dept/Div									
423	3570			2018	2019	2020	2021	2022	Total Capital Costs
CP-SW-11-Cra	PW08CG	63-00	Infrastructure	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Annual Curb & Gutter R&M Program									
CP-SW-11-CR	SW08PL	63-00	Infrastructure	$200,000	$200,000	$200,000	$200,000	$200,000	$1,000,000
Annual Cured in Place Pipe Lining									
CP-PW-17-FY	PW17SI	63-00	Infrastructure	$140,000	$0	$0	$0	$0	$140,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-HS	SW17HS	63-00	Infrastructure	$0	$95,867	$0	$0	$0	$95,867
Harrison Street Streetscape (Stormwater portion)									
CP-SW-12-IR	SW1503	63-00	Infrastructure	$0	$80,000	$80,000	$80,000	$80,000	$320,000
Indian River Drive Baffle Box									
CP-SW-17-MB		64-00	Machinery & Equipment	$0	$310,000	$0	$0	$0	$310,000
Mechanical Broom Sweeper									
CP-SW-12-RR	SW1301	63-00	Infrastructure	$0	$0	$250,000	$0	$0	$250,000
Pipe Range Road Drainage Ditch									
CP-PW-18-SS		63-00	Infrastructure	$120,414	$0	$0	$0	$0	$120,414
Stone street Corridor Streetscaping (Stormwater portion)									
CP-SW-18-AM		31-00	Professional Services	$80,000	$50,000	$0	$0	$0	$130,000
Stormwater GIS Asset Mapping									
CP-SW-17-FA		63-00	Infrastructure	$250,000	$135,000	$0	$0	$0	$385,000
US1 and Forrest Ave Stormwater Facility									
CP-PW-18-YI		64-00	Machinery & Equipment	$32,000	$0	$0	$0	$0	$32,000
Yale Industrial Forklift									
		3570 Division TOTAL		$872,414	$920,867	$580,000	$330,000	$330,000	$3,033,281
		423 Fund Total		$872,414	$920,867	$580,000	$330,000	$330,000	$3,033,281
			Total Requests	**$40,727,191**	**$42,947,276**	**$30,688,801**	**$28,014,998**	**$28,383,911**	**$170,762,177**

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

General Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Aegis 11 Enterprise Upgrade FY Start 2018 Quarter Q2

Project Location: City FY End 2018 Quarter Q1

Project Description

Updrade from Aegis 10.3 MSP to Aegis 11.0 Enterprise. This project includes implementation services and travel related expenses required by Tyler to upgrade the existing public safety sofeware.

Project Justification

Aegis Enterprise includes several next generation features such as enhanced 911, advanced GIS integration and data sharing with several other agencies throughout Brevard County.

Strategic Connection: Operational

The Aegis Public Safety software suite is an essential tool used by Cocoa Police and Fire Departments.

Total Cost of Project	Total Cost to Date
$95,600	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$95,600

Recurring Annual Costs

Operating	$0
Maintenance	$1,360
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,360

Capital Costs and Proposed Financing by Fiscal Year

2018	$95,600	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,600	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Complete City Fiber Ring FY Start 2018 Quarter Q2

Project Location: Police Department to City Hall FY End 2018 Quarter Q1

Project Description

Construction of the last section of City fiber from the Police Department to City Hall, completing the fiber ring.

Project Justification

The existing fiber infrastructure consists of a collapsed ring that loops back on itself to provide redundancy. Construction of additional fiber would complete the ring, making the system more redundant. The proposed fiber would cross three major roads (520, Fiske, & US1), railroad tracks, and ten minor roads. Completion of the fiber ring would provide for high availablity of network services and reduced downtime in the event of a fiber cut.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$89,956	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	Revenue
2019	$89,956	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$89,956	

Financing Comments

CIE_Designation ☐

Robert Beach

From: Jason McCuen
Sent: Friday, March 31, 2017 4:03 PM
To: Robert Beach
Subject: 2016 FEC Permits (Voided)

IT16FR - PD to City Hall Return Fiber FEC Permit - Application ($5k) & ROE ($1.5k)		6,500.00
VOIDED - 09/20/2016		
IT16FR - PD to City Hall Return Fiber FEC Permit - Engineering Review		1,500.00
VOIDED - 09/20/2016		



Jason McCuen
Help Desk Technician
Information Technology
City of Cocoa
65 Stone St
Cocoa, FL 32922-7982

To initiate a tech support request, view or add notes of an existing ticket, or to provide feedback, please utilize the Help Desk Web Portal located at: http://mainv-app02.cocoafl.org/helpdesk/Forms/LoginPage.aspx

Access email on any internet platform:
Office Exchange Email: https://webmail.cocoafl.org
Office 365 Email: https://outlook.office365.com

Danella Construction Corporation of Florida Quote for:

City of Cocoa- Return path PD to City Hall

3/31/2017

Item #	Police Department to City Hall return Path - Construction	Qty	Unit	Amount	Ext.
1	Design new reroute	2150	Ft	$0.75	$1,612.50
2	permit new reroute	2150	Ft	$0.25	$537.50
3	adder- railroad crossing design - minimum charge	1500	Ft	$0.75	$1,125.00
4	adder- railroad crossing permit - minimum charge (not including permit fee)	1500	Ft	$0.25	$375.00
5	PE Stamp (if required)	1	Ea	$500.00	$500.00
6	Furnish & Directional Bore (1) 2" Duct	3160	Ft	$12.00	$37,920.00
7	Furnish & Install 24"x36"x18" handholes with 20k lids	5	Ea	$600.00	$3,000.00
8	Core bores	4	Ea	$100.00	$400.00
9	saw cut	200	sqft	$1.00	$200.00
10	Conc remo	150	Sqft	$3.50	$525.00
11	Conc replace	150	Sqft	$7.00	$1,050.00
12	Material - Conc	150	Sqft	$5.00	$750.00
13	asphalt remo	50	sqft	$2.50	$125.00
14	asphalt replace	50	sqft	$5.25	$262.50
15	material - asphalt	50	sqft	$5.00	$250.00
16	Install muletape - New	3160	Ft	$0.25	$790.00
17	Furnish & Install #12 tracer wire	3160	Ft	$0.35	$1,106.00
18	Furnish Install 144 Fiber optic cable to existing vaults in front of city hall & police - (collapsed into bldgs)	9075	Ft	$2.50	$22,687.50
19	Furnish & install 24 foc	715	Ft	$1.44	$1,029.60
20	Install splice case	2	Ea	$250.00	$500.00
21	Splice case 8.5x22	2	Ea	$706.20	$1,412.40
22	Install Splice trays	2	Ea	$55.00	$110.00
23	Fusion Splice fibers (24 per location)	96	Ea	$30.00	$2,880.00
24	Marker posts	10	Ea	$65.00	$650.00
25	Marker posts with test stations	2	Ea	$85.00	$170.00
26	Material - loaded 24 count fiber panel (existing rack)	1	Ea	$1,029.00	$1,029.00
27	12 port bulkhead for existing panel	2	Ea	$110.00	$220.00
28	24 pigtails for existing panel	24	Ea	$21.00	$504.00
29	splice tray for existing panel	1	Ea	$55.00	$55.00
30	Material - ground rods	5	Ea	$36.00	$180.00
		Construction Total			**$81,956.00**

NOTE:

Pricing is only vaild if direct awarded as a whole under palm coast contract piggyback

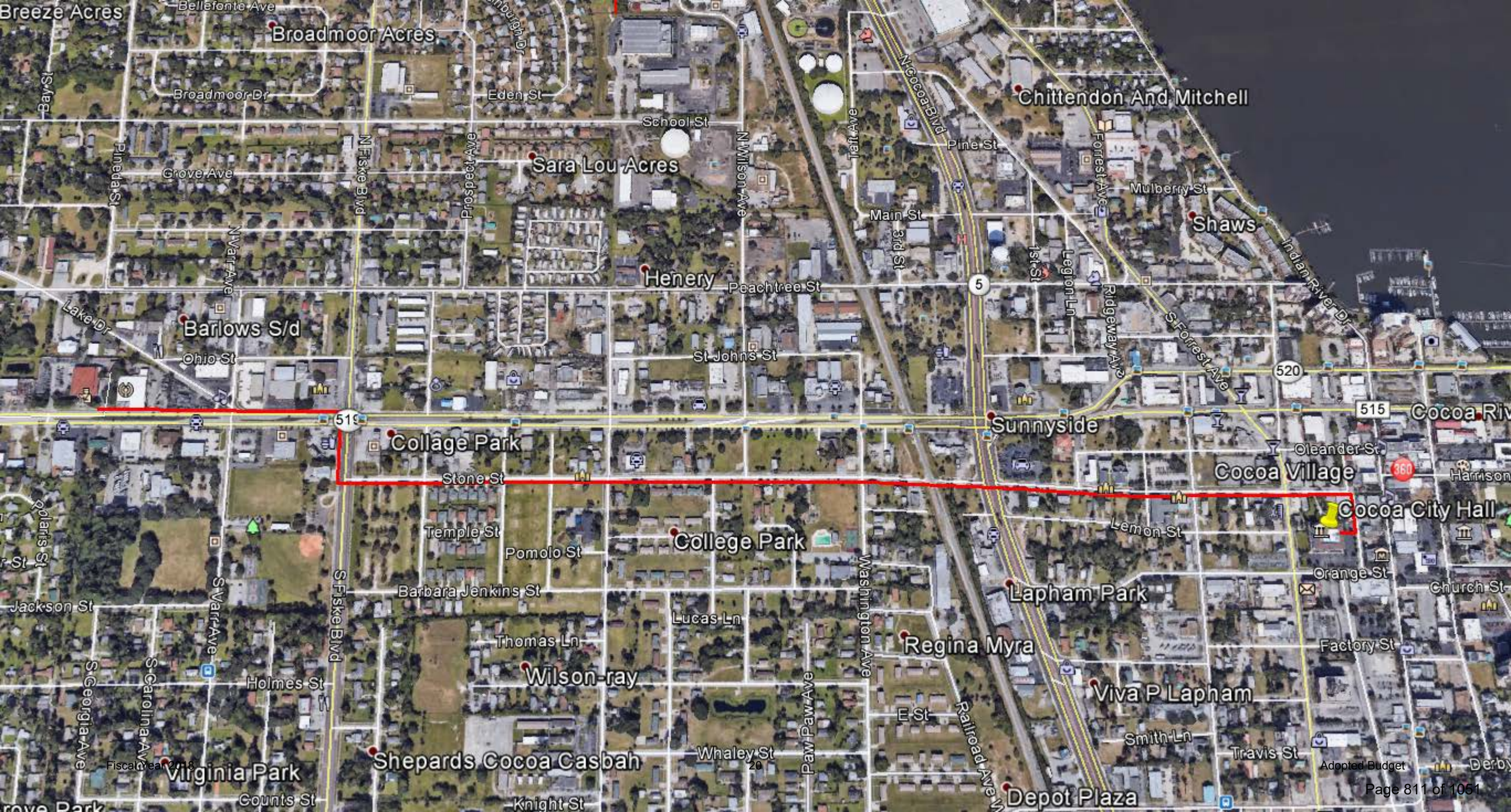
If project is bid out this propsal becomes null & void. A new proposal will be supplied with pricing specific to project and not palm coast contract rates.

Does not include city county or railroad permit fees. All permit fees to be paid by city directly.
includes terminating & splicing 24 of 144 fiber

Assumes existing conduit is usable & not damaged - starting at Fl & Orange st into city hall

Price does not include any rock adders in the event that rock is encountered in the process of boring.
Rates based on City of Palm Coast Contract

Dan Howick
Manager
Danella Construction Corporation of Florida, Inc
581 Washburn Road Melbourne, Fl. 32934
321-259-6124
dhowick@danella.com


Breeze Acres
Bellefonte Ave
Broadmoor Acres
Broadmoor Dr
Eden St
School St
Sara Lou Acres
Grove Ave
Pineda St
N Fiske Blvd
Prospect Ave
N Wilson Ave
Taft Ave
N Cocoa Blvd
Pine St
Chittendon And Mitchell
Forest Ave
Mulberry St
Shaws
Indian River Dr
Main St
3rd St
1st St
Legion Ln
Ridgeway Ave
S Forest Ave
5
Henery
Peachtree St
N Varr Ave
Lake Dr
Barlows S/d
Ohio St
St Johns St
520
515
519
Collage Park
Sunnyside
Cocoa Riv
Oleander St
Cocoa Village
360
Harrison
Stone St
Cocoa City Hall
Lemon St
Temple St
College Park
Pomolo St
Orange St
Church St
Polaris St
Jackson St
Barbara Jenkins St
Lapham Park
S Varr Ave
S Fiske Blvd
Lucas Ln
Thomas Ln
Regina Myra
Factory St
Wilson-ray
Holmes St
Washington Ave
S Georgia Ave
S Carolina Ave
Viva P Lapham
E St
Railroad Ave
Smith Ln
Travis St
Whaley St
Shepards Cocoa Casbah
Virginia Park
Counts St
Knight St
Depot Plaza

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Laptops for Officers/Patrol Vehicles FY Start 2018 Quarter Q4

Project Location: Police Department FY End 2018 Quarter Q1

Project Description

Ten new laptops will be purchased each year for patrol officers to replace laptops that are worn and have fulfilled their life span. Additionally, this would equip the vehicles with the proper laptop mounts for the new vehicles and laptops.

Project Justification

This is necessary to keep up with the technology of the times and to update old worn out equipment. Additionally, this project will assist the police department in having the proper mounting systems for the laptops in the vehicles. The total recurring operating costs, ($12,300) we are currently already paying.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$260,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$52,000

Recurring Annual Costs

Operating	$12,300
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$12,300

Capital Costs and Proposed Financing by Fiscal Year

2018	$52,000	Revenue
2019	$52,000	Revenue
2020	$52,000	Revenue
2021	$52,000	Revenue
2022	$52,000	Revenue
Total Capital Costs	$260,000	

Financing Comments

Once the project is approved, a specific vehicle type is necessary in order to properly quote the kit (make, model, year, etc.). DV grant applied for and is anticipated to cover a portion of the acquisition.

CIE_Designation ☐

QUOTE CONFIRMATION

DEAR CITY OF COCOA,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX898	3/8/2017	PANASONIC CF54	5938989	$35,264.25

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	4379459	$3,800.00	$26,600.00
Havis PKG-PSM-203 - mounting kit Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	2144721	$412.75	$2,889.25
Havis CF-H-PAN-422-2-P - port replicator Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	3723657	$825.00	$5,775.00

PURCHASER BILLING INFO		
Billing Address: CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 **Phone:** (321) 433-8558 **Payment Terms:** Request Terms	**SUBTOTAL**	$35,264.25
	SHIPPING	$0.00
	GRAND TOTAL	**$35,264.25**
DELIVER TO	**Please remit payments to:**	
Shipping Address: CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

John Vrablik | (877) 466-6333 | johnvra@cdwg.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at http://www.cdwg.com/content/terms-conditions/product-sales.aspx
For more information, contact a CDW account manager

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QUOTE CONFIRMATION

DEAR CITY OF COCOA,

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QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX869	3/8/2017	PANASONIC CF54	5938989	$125,943.75

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	4379459	$3,800.00	$95,000.00
Havis PKG-PSM-203 - mounting kit Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	2144721	$412.75	$10,318.75
Havis CF-H-PAN-422-2-P - port replicator Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	3723657	$825.00	$20,625.00

PURCHASER BILLING INFO		
Billing Address: CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 **Phone:** (321) 433-8558 **Payment Terms:** Request Terms	**SUBTOTAL**	$125,943.75
	SHIPPING	$0.00
	GRAND TOTAL	**$125,943.75**
DELIVER TO	**Please remit payments to:**	
Shipping Address: CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Refabricate SWAT Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Refabricate the gray SWAT Van

Project Justification

Enables the Police Department to sustain services to citizens. This vehicle will refabricate current vehicle #267 which is the SWAT van. It is in need of refabrication due to the fact that it is a 1990 Ford P30 Van and has over 100,000 miles on it.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$100,000	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

We were unable to obtain a quote with the vendor - this is an estimate only.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #245, patrol vehicle

Project Justification

Enables the Police Department to sustain services to Citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

COMPANY: 001 - City of Cocoa Active Fleet FY-2017 CIP

DEPARTMENT: 2100 - Cocoa Police

VEH#	YR	MAKE	MODEL	VIN		TYPE	AGE	MTR	MNT	COND	TOTAL	REPLACE	REP-COST	ANY CAPITALIZATIONS
225	2005	CHEVY	IMPALA	2G1WF52KX59378627	A	SUPPORT SER	5.0	5.0	8.4	0.0	18.4	02/21/2017	$22,900	
213	2006	CHEVY	IMPALA	2G1WS551169377253	A	CIV - ADMIN	5.0	3.0	5.6	0.0	13.6	02/21/2018	$23,500	
269	2007	CHEVY	IMPALA	2G1WS55R179197648	A	CPD DET	5.0	3.6	4.7	0.0	13.3	03/21/2018	$23,900	
245	2008	CHEVY	IMPALA	2G1WS553989247774	A	SGT MARKED	4.5	2.9	5.7	0.0	13.1	05/21/2018	$33,818	
238	2008	CHEVY	IMPALA	2G1WS553X89247962	A	SGT MARKED	4.5	2.8	5.2	0.0	12.5	09/21/2018	$33,818	
265	2007	CHEVY	IMPALA	2G1WS55R379192998	A	CPD DET	5.0	3.1	4.5	0.0	12.6	09/21/2018	$27,324	
286	2010	CHEVY	IMPALA	2G1WD5EM9A1146452	A	CPD PATROL	3.2	3.4	7.4	-1.0	13.0	10/21/2018	$32,818	TRANSMISSION
203	2007	CHEVY	IMPALA	2G1WS55R779196150	A	CPD ADMIN	4.1	2.8	5.9	0.0	12.8	11/21/2018	$27,460	
287	2008	CHEVY	IMPALA	2G1WS553781198122	A	SGT MARKED	4.5	2.6	5.2	0.0	12.3	11/21/2018	$33,818	REPAINTED - BLACK
219	2008	FORD	TAURUS	1FAHP24W58G161851	A	LT - ADMIN	4.2	3.9	4.2	0.0	12.3	01/21/2019	$25,900	
236	2008	CHEVY	IMPALA	2G1WS553789250902	A	CPD PATROL	4.5	3.2	4.0	0.0	11.7	02/21/2019	$33,818	REPAINTED - BLACK
299	2010	CHEVY	IMPALA	2G1WD5EM4A1147542	A	CPD PATROL	3.5	4.0	4.5	0.0	12.0	02/21/2019	$34,500	
212	2004	CHEVY	IMPALA	2G1WF52K949332706	A	CIV - ADMIN	5.0	2.8	4.0	0.0	11.8	03/21/2019	$23,900	
298	2010	CHEVY	IMPALA	2G1WD5EM2A1146034	A	CPD PATROL	3.5	3.2	5.1	0.0	11.8	03/21/2019	$34,500	
288	2009	CHEVY	IMPALA	2G1WS57M191295856	A	CPD PATROL	3.9	3.1	4.7	0.0	11.7	04/21/2019	$34,500	
228	2007	CHEVY	IMPALA	2G1WS55R879192589	A	SGT MARKED	4.7	3.5	6.4	-2.0	12.6	05/21/2019	$32,818	REPAINTED - BLACK
297	2010	CHEVY	IMPALA	2G1WD5EM7A1147664	A	CPD PATROL	3.5	2.8	5.0	0.0	11.3	07/21/2019	$34,500	
229	2008	CHEVY	IMPALA	2G1WS553581269592	A	CIV - ADMIN	4.1	3.6	3.3	0.0	11.0	12/21/2019	$25,900	
262	2009	CHEVY	IMPALA	2G1WB57K091250762	A	CPD DET	4.1	3.0	3.5	0.0	10.6	01/21/2020	$25,900	
206	2010	CHEVY	IMPALA	2G1WD5EMXA1252974	A	SGT MARKED	2.9	2.3	5.4	0.0	10.6	04/21/2020	$35,200	REPAINTED - BLACK
257	2010	CHEVY	IMPALA	2G1WD5EM0A1146551	A	CPD PATROL	2.8	3.3	4.9	0.0	11.0	05/21/2020	$35,200	
276	2009	CHEVY	IMPALA	2G1WB57K491248030	A	CPD DET	4.1	3.1	2.9	0.0	10.1	05/21/2020	$25,900	
294	2010	CHEVY	IMPALA	2G1WD5EM3A1146575	A	CPD PATROL	3.5	2.4	3.6	0.0	9.5	09/21/2020	$35,200	
230	2009	CHEVY	IMPALA	2G1WS57M191261156	A	CPD PATROL	3.7	2.4	3.6	0.0	9.7	11/21/2020	$35,200	
252	2011	CHEVY	IMPALA	2G1WD5EM1B1184047	A	CPD PATROL	3.1	3.0	3.1	0.0	9.2	12/21/2020	$35,200	
274	2010	CHEVY	IMPALA	2G1WD5EM4A1181240	A	SGT MARKED	3.3	2.1	3.2	0.0	8.6	05/21/2021	$35,200	REPAINTED - BLACK
256	2013	FORD	POLICE INTERCEP	1FAHP2L82DG201851	A	CPD PATROL	2.0	2.5	3.4	0.0	7.9	10/21/2021	$35,200	
244	2013	FORD	POLICE INTERCEP	1FAHP2L84DG201849	A	CPD PATROL	2.0	2.5	2.7	0.0	7.2	04/21/2022	$35,200	
VEHICLE COUNT: 28													$873,092	

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace Vehicle #238, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #286, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$32,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

Project Description

Replace vehicle #287, patrol vehicle

Project Justification

Enables the Police Department to sustain services to Citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$33,818	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #236, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$33,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$33,818	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$33,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #299, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #288, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #228, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,818	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$32,818	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,818	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

Project Description

Replace vehicle #297, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$34,500	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle #206, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle # 257, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to purchasing so many vehicles in FY16 we are reqesting that the purchase of this vehicle be moved back a year.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name:

Project Location: City of Cocoa

FY Start 2021 Quarter Q4

FY End 2021 Quarter Q1

Project Description

Replace vehicle # 294, patrol vehicle

Project Justification

Enables the Police Department to sustain services to citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to a large acquisition of vehicles in FY16 we are requesting that the purchase of this vehicle be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

Project Description

Replace vehicle #230, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$35,200	Reserves
2022	$0	$0 this FY
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #252, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #274, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #256, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisiton of vehicles in FY 16 we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

Project Description

Replace vehicle #244, patrol vehicle

Project Justification

Enables the Police Department to sustain services to the citizens

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$35,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$700
Maintenance	$675
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,375

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$35,200	Reserves
Total Capital Costs	$35,200	

Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: P25 Radio Replacement FY Start 2020 Quarter Q4

Project Location: City of Cocoa Police Department FY End 2020 Quarter Q1

Project Description

Project 25 Radio replacement

Project Justification

This CIP is for radio replacement for the original 2014 portable radios that were purchased. The State of Florida recommends replacement of a portable radio every 6 years. We purchased 26 portables in 2014 and the quote is for 15 replacement radios.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$105,542	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$1,800
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,800

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$52,771	Revenue
2022	$52,771	Revenue
Total Capital Costs	$105,542	

Financing Comments

CIE_Designation ☐

COMMUNICATIONS INTERNATIONAL

4045 Pines Industrial Avenue
Rockledge, FL 32955
Voice: 321.636.9885 Fax: 321.636.7720

QUOTATION

Page	1/2
Date	2/17/2017
Quote Number	QTE1700296

Bill To	Cocoa Police Department Susan Austin 65 Stone St Cocoa, FL, 32922 USA
Site	Cocoa Police Department 65 Stone Street Cocoa, FL, 32922 USA
Contact	Voice: Fax:

Site Number	Description	Salesperson	Reference
COC130MAIN	XG75P Portable	Grayson, Garin L.	Budgetary FY 2020

Description	Qty	Unit	Sale Price	Total
XG75P Scan Portable Package				
EVXGPB78B - Portable XG-75, 764-870 MHz, Scan, Black - The below zero dollar items are included in the package purchase.	15	Each	3,330.41	49,956.15
MAEVNPL3R - Feature, Maximum (1024+) Systems/Groups	15	Each	0.00	0.00
EVP25ED - FEATURE PACKAGE,P25 TRUNKING & EDACS	15	Each	0.00	0.00
EVPRO - Feature, Provoice	15	Each	0.00	0.00
EVXGNPL4F - Feature Package, P25 PHASE 2 TDMA	15	Each	0.00	0.00
MAEVNPL7G - Feature,ESK/P25 Personality Lock	15	Each	0.00	0.00
MAEVPKG8F - Feature, Encryption (includes 256-B AES Encryption for P25 T	15	Each	0.00	0.00
MAEVNPL5K - Feature, Profile OTAP Over the Air Programming	15	Each	0.00	0.00
EVPA3R - Battery,Li-Ion,2400mAH	15	Each	0.00	0.00
MAEVNNC5X - Antenna, 764-870 MHz, 1/4 Wave Whip (KRE10115062)	15	Each	0.00	0.00
MAEVNHC2G - Belt Clip, Standard (CC23894)	15	Each	0.00	0.00
FM014712 - Cover, UDC Weather Proof, P5300/P5400	15	Each	0.00	0.00
MAEVNCH9T - Charger, Single, Tri-Chemistry (CH104560 007)	15	Each	0.00	0.00

COMMUNICATIONS INTERNATIONAL

4045 Pines Industrial Avenue
Rockledge, FL 32955
Voice: 321.636.9885 Fax: 321.636.7720

QUOTATION

Page	2/2
Date	2/17/2017
Quote Number	QTE1700296

Description	Qty	Unit	Sale Price	Total
V210438 - Evolution Speaker Mic, Coil Cord, E-Button, 2.5mm,P5400/7300	15	Each	108.12	1,621.80
E110009 - EARPHONE KIT 2.5, R/A 30" COILED CORD	15	Each	40.32	604.80
Program, Portable Scan	15	Each	32.50	487.50
Shipping and Handling - Shipping and handling is based upon quantity ordered and subject to change. - Allow 8 - 10 weeks delivery after order. - BUDGETARY ONLY	1	Each	100.00	100.00
			Subtotal:	52,770.25

Prices quoted are valid for (30) Days from Document Date.
Orders may be subject to shipping & handling charges.
All warranties are manufacture's warranties.

Plus Tax	0.00
Total Due (USD)	52,770.25

By signing this Quotation and/or submitting a purchase order pursuant to this Quotation you acknowledge that you have read and agree to be bound by Communications Int'l. Inc.'s Terms and Conditions of Sale Service and Technical Support.

Communications Control Centers (dispatch rooms) will be sized from actual floor plan drawings, showing all required consoles with chair space and all other required furniture and equipment. In the event this information is not available, there should be an allowance for a range of 100 to 120 square feet for each position. Allocation includes room for chair movement and access to the console electronics.

The Department recommends that new radio communications equipment or facilities be purchased with additional capacity and/or features in order to minimize obsolescence. With the universal utilization of computers, CRT consoles with modular furniture are recommended for their potential to save space and add to the overall efficiency of the dispatch environment.

I. Communications Equipment Life Cycle

Communications equipment should be in an environmental controlled facility unless the equipment is rated for outside operations.

3.0 RADIO EQUIPMENT REPLACEMENT POLICY

The Department of Management Services (the Department) has established guidelines for the replacement of communications equipment. Specific situations that warrant equipment replacement (with proper maintenance) are listed below:

1. Equipment has reached the age listed below although it may not have been in continuous use:

Type of Equipment	**Age (Years)**
Mobile Radios	8
Portable Radios	6
Base and Control Station Radios	10
Transmitter combiners	10
Antennas and Transmission Lines	
Within 10 miles of bodies of salt water	10
Other locations	12
Antenna Towers	
Within 10 miles of bodies of salt water	15
Other locations	20
Antenna Tower Lighting Systems	10

Type of Equipment	**Age (Years)**
Control consoles	10
Logging Recorders	10
Instant Recall Recorders	6
Prefabricated Equipment Shelters	15
Standby Emergency Power Generators	
Within 10 miles of bodies of salt water	8
Other locations	12
Microwave Equipment	15

2. Based on an investigation by the Department or a written statement of need from an agency, the Department may recommend an earlier than normal replacement schedule in situations where equipment is damaged, abnormally worn, or technically obsolete.

3. The Department recognizes that adequate preventative maintenance programs will extend the usable life of equipment beyond the times schedules above and therefore encourages agencies to develop and implement such programs. In such cases longer replacement schedules will be considered.

4. For large systems, phased replacement schedules may be necessary for economic reasons. Thus, the Department will consider earlier replacement schedules for a portion of the system equipment such that the last equipment to be replaced will not be older than three years beyond the normal replacement schedule.

4.0 RADIO FREQUENCY *BUY OUT* POLICY

When an agency needs to implement a new radio system or to expand an existing one in certain situations, the shortage of available radio channels may preclude a straightforward implementation or expansion. In such cases, the most economical alternative may be the relocation of an existing radio user from one channel to another, in order to free up a channel for the agency planning to implement or expand. When feasible, The Department of Management Services will support such an arrangement and may recommend that the agency purchase new radio equipment for the user being relocated, in exchange for the user's current radio channels and radio equipment.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: LifePak 15 V4 Monitor/Defibrillator FY Start 2018 Quarter Q3

Project Location: Fire Department FY End 2018 Quarter Q1

Project Description

Purchase a LifePak 15 V4

Project Justification

The purchase of the Life Pak 15 will give us a backup unit when one of our LifePaks units is down for repair. The only unit we have for a back up is past its useful life. We can also use the new unit for training paramedics as it matches the capabilities of our current units.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$43,019	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$43,019

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$43,019	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$43,019	

Financing Comments

CIE_Designation ☐

Physio-Control, Inc
11811 Willows Road NE
P.O. Box 97006
Redmond, WA 98073-9706 U.S.A.
www.physio-control.com
tel 800.442.1142
Sales Order fax 800.732.0956
Service Plan fax 800.772.3340

To	CITY OF COCOA FD Attn: Brad Hall, District Chief 114 1ST ST COCOA,FL 32922 (321) 639-7605 bhall@cocoafl.org	Quote Number	00070710
		Revision #	1
		Created Date	2/17/2017
		Sales Consultant	Susan Cote (407) 497-2636
		FOB	Destination
		Terms	All quotes subject to credit approval and the following terms and conditions
		NET Terms	NET 30
Contract	NASPO #SW300 v2	Expiration Date	5/18/2017

Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
99577-001588	LIFEPAK 15 V4 Monitor/Defib, Adaptive Biphasic, Manual & AED, Color LCD, 100mm Printer, Noninvasive Pacing, Metronome, Trending, SpO2, NIBP, 12-Lead ECG, EtCO2, Carbon Monoxide, MetHemoglobin, Bluetooth INCLUDED AT NO CHARGE: 2 PAIR QUIK-COMBO ELECTRODES PER UNIT - 11996-000091, TEST LOAD - 21330-001365, IN-SERVICE DVD - 21330-001486 (one per order) , SERVICE MANUAL CD- 26500-003612 (one per order) and SHIP KIT (RC Cable) 41577-000288 INCLUDED. HARD PADDLES, BATTERIES AND CARRYING CASE NOT INCLUDED.	1.00	38,425.00	-5,424.91	33,000.09	33,000.09
11140-000015	AC power cord	1.00	81.00	-16.03	64.97	64.97
11140-000052	LP15 REDI-CHARGE Adapter Tray	1.00	206.00	-39.94	166.06	166.06
11141-000115	REDI-CHARGE Base (power cord not included)	1.00	1,520.00	-294.42	1,225.58	1,225.58
21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	4.00	469.00	-99.58	369.42	1,477.68
11160-000013	NIBP CUFF-REUSEABLE,CHILD, BAYONET	1.00	24.00	-3.60	20.40	20.40
11160-000017	NIBP CUFF-REUSEABLE, LARGE ADULT, BAYONET	1.00	33.00	-4.95	28.05	28.05
11171-000046	M-LNCS DCI, Adult Reusable Sensor, 1/box	1.00	301.00	-45.15	255.85	255.85
11171-000049	Rainbow DCI Adt Reusable Sensor, 1/box	1.00	640.00	-98.55	541.45	541.45
11577-000002	LIFEPAK 15 Basic carry case w/ right & left pouches. INCLUDED AT NO CHARGE WHEN ORDERED WITH DEVICE: 11577-000001 Shoulder Strap	1.00	320.00	-57.18	262.82	262.82
11220-000028	Carry case top pouch for use w/LIFEPAK 12 or LIFEPAK 15	1.00	57.00	-10.59	46.41	46.41
11260-000039	LIFEPAK 15 Carry case back pouch	1.00	82.00	-14.68	67.32	67.32
LP15-OSCOMP-4-POS	LIFEPAK 15 Service - 4 YEAR. On-site Comprehensive Coverage. Annual Payments.	1.00	6,896.00	-1,034.40	5,861.60	5,861.60

Subtotal	USD 43,018.28
Estimated Tax	USD 0.00
Estimated Shipping & Handling	USD 0.00
Grand Total	USD 43,018.28

Pricing Summary Totals

List Price Total	USD 50,461.00
Total Contract Discounts Amount	USD -7,442.72
Total Discount	USD 0.00
Trade In Discounts	USD 0.00
Tax + S&H	USD 0.00

GRAND TOTAL FOR THIS QUOTE

USD 43,018.28

PHYSIO-CONTROL, INC. REQUIRES WRITTEN VERIFICATION OF THIS ORDER. A PURCHASE ORDER IS REQUIRED ON ALL ORDERS $5,000 OR GREATER BEFORE APPLICABLE FREIGHT AND TAXES. THE UNDERSIGNED IS AUTHORIZED TO ACCEPT THIS ORDER IN ACCORDANCE WITH THE TERMS AND PRICES DENOTED HEREIN.

_____
CUSTOMER APPROVAL (AUTHORIZED SIGNATURE)

_____
NAME

_____
TITLE

_____
DATE

Reference Number SC/14366702/125499

General Terms for all Products, Services and Subscriptions.

Physio-Control, Inc. ("Physio") accepts Buyer's order expressly conditioned on Buyer's assent to the terms set forth in this document. Buyer's order and acceptance of any portion of the goods, services or subscriptions shall confirm Buyer's acceptance of these terms. Unless specified otherwise herein, these terms constitute the complete agreement between the parties. Amendments to this document shall be in writing and no prior or subsequent acceptance by Seller of any purchase order, acknowledgment, or other document from Buyer specifying different and/or additional terms shall be effective unless signed by both parties.

Pricing. Prices do not include freight insurance, freight forwarding fees, taxes, duties, import or export permit fees, or any other similar charge of any kind applicable to the goods and services. Sales or use taxes on domestic (USA) deliveries will be invoiced in addition to the price of the goods and services unless Physio receives a copy of a valid exemption certificate prior to delivery. Discounts may not be combined with other special terms, discounts, and/or promotions.

Payment. Payment for goods and services shall be subject to approval of credit by Physio. Unless otherwise specified by Physio in writing, the entire payment of an invoice is due thirty (30) days after the invoice date for deliveries in the USA, and sight draft or acceptable (confirmed) irrevocable letter of credit is required for sales outside the USA.

Minimum Order Quantity. Physio reserves the right to charge a service fee for any order less than $200.00.

Patent Indemnity. Physio shall indemnify Buyer and hold it harmless from and against all demands, claims, damages, losses, and expenses, arising out of or resulting, from any action by a third party against Buyer that is based on any claim that the services infringe a United States patent, copyright, or trademark, or violate a trade secret or any other proprietary right of any person or entity. Physio's indemnification obligations hereunder will be subject to (i) receiving prompt written notice of the existence of any claim; (ii) being able to, at its option, control the defense and settlement of such claim (provided that, without obtaining the prior written consent of Buyer, Physio will enter into no settlement involving the admission of wrongdoing); and (iii) receiving full cooperation of Buyer in the defense of any claim.

Limitation of Interest. Through the purchase of Physio products, services, or subscriptions, Buyer does not acquire any interest in any tooling, drawings, design information, computer programming, patents or copyrighted or confidential information related to said products or services, and Buyer expressly agrees not to reverse engineer or decompile such products or related software and information.

Delays. Physio will not be liable for any loss or damage of any kind due to its failure to perform or delays in its performance resulting from an event beyond its reasonable control, including but not limited to, acts of God, labor disputes, the requirements of any governmental authority, war, civil unrest, terrorist acts, delays in manufacture, obtaining any required license or permit, and Physio inability to obtain goods from its usual sources.

Limited Warranty. Physio warrants its products and services in accordance with the terms of the limited warranties located at http://www.physio-control.com/Documents/. The remedies provided under such warranties shall be Buyer's sole and exclusive remedies. Physio makes no other warranties, express or implied, including, without limitation, **NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT SHALL PHYSIO BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR OTHER DAMAGES.**

Compliance with Confidentiality Laws. Both parties acknowledge their respective obligations to maintain the security and confidentiality of individually identifiable health information and agree to comply with applicable federal and state health information confidentiality laws.

Compliance with Law. The parties agree to comply with any and all laws, rules, regulations, licensing requirements or standards that are now or hereafter promulgated by any local, state, and federal governmental authority/agency or accrediting/administrative body that governs or applies to their respective duties and obligations hereunder.

Regulatory Requirement for Access to Information. In the event 42 USC § 1395x(v)(1)(I) is applicable, Physio shall make available to the Secretary of the United States Department of Health and Human Services, the Comptroller General of the United States General Accounting Office, or any of their duly authorized representatives, a copy of these terms, such books, documents and records as are necessary to certify the nature and extent of the costs of the products and services provided by Physio.

No Debarment. Physio represents and warrants that it and its directors, officers, and employees (i) are not excluded, debarred, or otherwise ineligible to participate in the Federal health care programs as defined in 42 USC § 1320a-7b(f); (ii) have not been convicted of a criminal offense related to the provision of healthcare items or services; and (iii) are not under investigation which may result in Physio being excluded from participation in such programs.

Choice of Law. The rights and obligations of Physio and Buyer related to the purchase and sale of products and services described in this document shall be governed by the laws of the state where Buyer is located. All costs and expenses incurred by the prevailing party related to enforcement of its rights under this document, including reasonable attorney's fees, shall be reimbursed by the other party.

Additional Terms for Purchase and Sale of Products.

In addition to the General Terms above, the following terms apply to all purchases of products from Physio:

Delivery. Unless otherwise specified by Physio in writing, delivery shall be FOB Physio point of shipment and title and risk of loss shall pass to Buyer at that point. Partial deliveries may be made and partial invoices shall be permitted and shall become due in accordance with the payment terms. In the absence of shipping instructions from Buyer, Physio will obtain transportation on Buyer's behalf and for Buyer's account. Delivery dates are approximate. Freight is pre-paid and added to Buyer's invoice. Products are subject to availability.

Inspections and Returns. Within 30 days of receipt of a shipment, Buyer shall notify Physio of any claim for product damage or nonconformity. Physio, at its sole option and discretion, may repair or replace a product to bring it into conformity. Return of any product shall be governed by the Returned Product Policy located at http://www.physio-control.com/Documents/. Payment of Physio's invoice is not contingent on immediate correction of nonconformities.

No Resale. Buyer agrees that products purchased hereunder will not be resold to third parties and will not be reshipped to any persons or places prohibited by the laws of the United States of America.

Additional Terms for Purchase and Sale of Service Plans.

In addition to the General Terms above, the following terms apply to all Physio Service Plans.

Service Plans. Physio shall provide services according to the applicable Service Plan purchased by Buyer and described at http://www.physio-control.com/ServicePrograms.aspx for the length of the subscription purchased and for the devices specified as covered by the Service Plan ("Covered Equipment").

Pricing. If the number or configuration of Covered Equipment changes during the Service Plan subscription, pricing shall be pro-rated accordingly. For Preventative Maintenance, Inspection Only, Comprehensive, and Repair & Inspect Service Plans, Buyer is responsible to pay for preventative maintenance and inspections that have been performed since the last anniversary of the subscription start date and such services shall not be pro-rated.

Device Inspection Before Acceptance. All devices that are not covered under Physio's Limited Warranty or a current Service Plan must be inspected and repaired (if necessary) to meet specifications at then-current list prices prior to being covered under a Service Plan.

Unavailability of Covered Equipment. If Covered Equipment is not made available at a scheduled service visit, Buyer is responsible to reschedule with the Physio Service Technician, or ship-in the Equipment to a Physio service depot. Physio reserves the right to charge Buyer a surcharge for a return visit. Surcharges will be based on then-current Physio list price of desired services, less 10% for labor and 15% for parts, plus applicable travel costs. The return visit surcharge will be in addition to the subscription price of the Service Plan. To avoid the surcharge, Buyer may ship devices to a Physio service depot. Buyer shall be responsible for round-trip freight for ship-in service.

Unscheduled or Uncovered Services. If Buyer requests services to be performed on Covered Equipment which are not covered by a Service Plan, or are outside of designated Services frequency or hours, Physio-Control will charge Buyer for such services at 10% off Physio-Control's standard rates (including overtime, if appropriate) and applicable travel charges. Repair parts required for such repairs will be made available at 15% off the then-current list price.

Loaners. If Covered Equipment must be removed from service to complete repairs, Physio will provide Buyer with a loaner device, if one is available. Buyer assumes complete responsibility for the loaner and shall return the loaner to Physio in the same condition as received, normal wear and tear exempted, upon the earlier of the return of the removed Covered Equipment or Physio's request.

Cancellation. Buyer may cancel a Service Plan upon sixty (60) days' written notice to Physio. In the event of such cancellation, Buyer shall be responsible for the portion of the designated price which corresponds to the portion of the Service Plan subscription prior to the effective date of termination and the list-price cost of any preventative maintenance, inspections, or repairs rendered after the last anniversary date of the subscription start date.

No Solicitation. During the Service Plan subscription and for one (1) year following its expiration Buyer agrees to not to actively and intentionally solicit anyone who is employed by Physio to provide services such as those described in the Service Plan.

PHYSIO CONTROL

PRODUCT BROCHURE

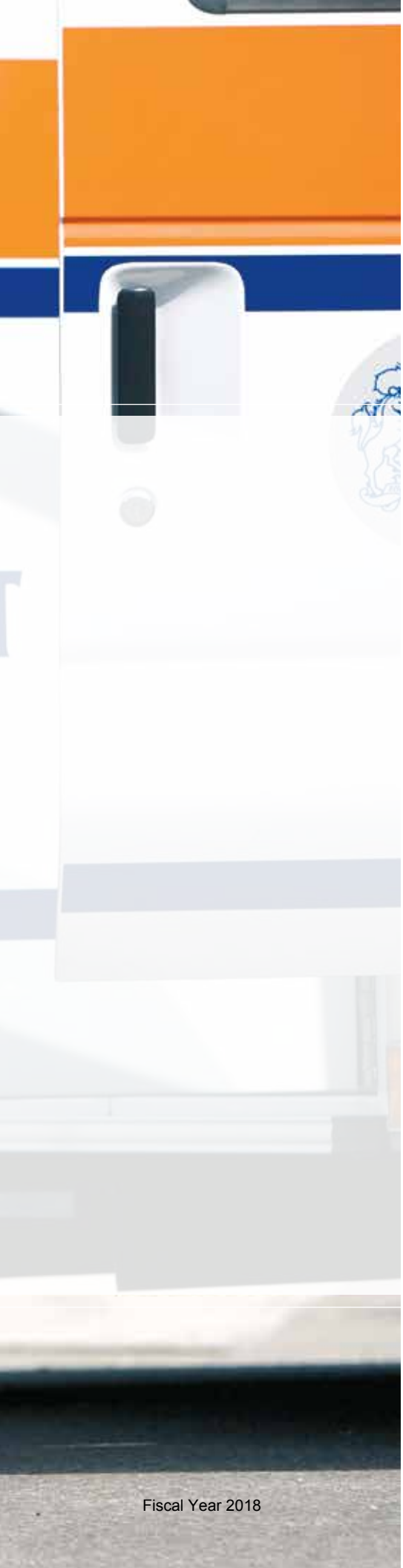


LIFEPAK® 15 MONITOR/DEFIBRILLATOR

For Emergency Medical Services



When you respond to emergencies, you need the most advanced monitor/defibrillator that sets the standard in innovation, operations and toughness.



The LIFEPAK 15 monitor/defibrillator delivers.

Physio-Control defibrillators have set the standard for six decades, and the latest version of the LIFEPAK® 15 monitor/defibrillator raises the bar. As our most advanced emergency response monitor/defibrillator, the LIFEPAK 15 device balances sophisticated clinical technologies and supreme ease of use in a device that's tough enough to stand up to your most challenging environments. Evolving from its original platform, the *15* features temperature monitoring and external power to complement 360J of energy and 12-lead ECG transmission capability. And that means your team can be even more effective.

A LIFEPAK device never stands on its own—and the LIFEPAK 15 monitor is no different. Physio-Control is committed to providing innovative solutions for emergency response care, from first responders to throughout the hospital.

Our products have helped save tens of thousands of lives. We're proud to continue this work with the features in the LIFEPAK 15 monitor/defibrillator.

The standard in clinical innovation.

The pioneer in portable defibrillation and monitoring technology, Physio-Control is committed to creating technologies and devices that change the way you provide emergency care. You can see the results in the latest version of the LIFEPAK 15 monitor/defibrillator, which sets the standard in innovation—yet again.







Advanced monitoring parameters

With more monitoring capabilities than any other monitor/defibrillator, the *15* gives you $EtCO_2$ with continuous waveform capture. Masimo® Rainbow® technology helps you detect hard-to-diagnose conditions and improve patient care with noninvasive monitoring of carbon monoxide, SpO_2 and methemoglobin. In addition, the *15* offers temperature monitoring—and like other data, you can transmit it to other systems, trend it, or display for post-event review in CODE-STAT™ data review software.

Advanced support for treating cardiac patients

The *15* continuously monitors all 12 leads in the background and alerts you to changes using the ST-Segment trend monitoring feature, after acquiring the initial 12-lead. Additionally, STJ values are included on the 12-lead printout to help you identify changes. The *15* also works seamlessly with the web-based LIFENET System 5.0, so you can automatically share critical patient data with multiple patient care teams.

Full energy up to 360 joules, for every patient who needs it

The LIFEPAK 15 monitor/defibrillator features 360J biphasic technology, which gives you the option of escalating your energy dose up to 360J for difficult-to-defibrillate patients. Why is this necessary? Recent studies have shown that refibrillation is common among VF cardiac arrest patients and that defibrillation of recurring episodes of VF is increasingly difficult. A randomized controlled clinical trial shows the rate of VF termination was higher with an escalating higher energy regimen of 200J and over.[1]

Proven CPR guidance and post event review

The CPR Metronome in the LIFEPAK 15 monitor uses audible prompts to guide you without distracting vocal critique. A metronome has been a feature that has been demonstrated to help professionals perform compressions and ventilations within the recommended range of the 2015 AHA Guidelines. Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.[2,3,4] And by transmitting code data directly to CODE-STAT Data Review software, EMS personnel can review CPR statistics and provide training and feedback where it is most needed.

Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.[2,3,4]




LIFEPAK 15 MONITOR/DEFIBRILLATOR
12:13:00
87
98
107
70
85
12-LEAD
TRANSMIT
SpO2


ON
CPR
ENERGY SELECT
CHARGE
LEAD
PACER
SpO2


FERNO | 93H PROfleet

The standard in operational effectiveness.

Flexible, connected and easy to use, the LIFEPAK 15 monitor/defibrillator was designed based on the feedback and needs specific to working in the field.

Dual-mode LCD screen with SunVue™ display

Switch from full-color to high-contrast SunVue mode with a single touch for the best full-glare view in the industry. A large screen (8.4 inches diagonally) and full-color display provide maximum viewability from all angles.

Flexible power options

Choose between external worldwide AC or DC power, or use the latest Lithium-ion dual battery technology for up to six hours of power. The LIFEPAK 15 monitor's two-battery system requires no maintenance or conditioning, and allows you to charge batteries in the device. In addition, you can track the status and service life of your batteries using LIFENET® Asset, part of the LIFENET System data network.

Data connectivity

The *15* collects code summaries and equipment status data along with critical clinical information as you treat patients. Using LIFENET Connect, part of the LIFENET System data network, the code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software. Your equipment manager can also view equipment status on the LIFENET System 5.0 using LIFENET Asset and alert you to any potential issues.

Code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software.

Upgradable platform

The *15* platform is flexible enough to adapt to evolving protocols and new guidelines, and can be upgraded as you're ready to deliver new capabilities. With more processing power and speed, the *15* is designed to grow as your needs change, helping you avoid costly premature replacements.

Attention to detail

The LIFEPAK 15 monitor is designed based on field feedback to make it a more effective tool. The *15* has a larger handle for easier handoffs, an easy to clean keypad, and a common interface to the LIFEPAK 12 defibrillator/monitor that helps reduce training.

The standard in toughness.

We believe LIFEPAK equipment should live up to the highest expectations of those working in the harshest settings. The *15* is LIFEPAK TOUGH, with improved ruggedness and durability you can rely on.

Works when dropped, kicked, soaked or dirty

The LIFEPAK 15 monitor/defibrillator passes 30-inch drop tests, which is equal to falling off a cot or dropping it in transit. And with an IP44 rating, it doesn't matter how wet or dirty it gets, so you can keep working in steady wind, rain and other harsh environments.

Toughened inside and out

We heard from emergency response teams that they wanted a tougher device—so we added a shock-absorbing handle, a double-layer screen that can take a beating from doorknobs and cot handles, and redesigned cable connections for confident monitoring and therapy delivery.

Unmatched field service

The unit's self-checking feature alerts our service team if the device needs attention. Our on site maintenance and repair, access to original manufacturer parts, and highly trained, experienced service representatives give you the peace of mind that your LIFEPAK 15 monitor will be ready when you need it.*



Data connectivity


LIFEPAK TOUGH™


Dual-mode LCD screen with SunVue display

** A variety of customized service options are available.*

LIFEPAK® 15 MONITOR/DEFIBRILLATOR

The latest Lithium-ion battery technology and dual battery system allows for nearly six hour run time, automatic switching between external power and batteries, and an approximate two-year replacement cycle.

Easy one-touch Bluetooth® data transmission.

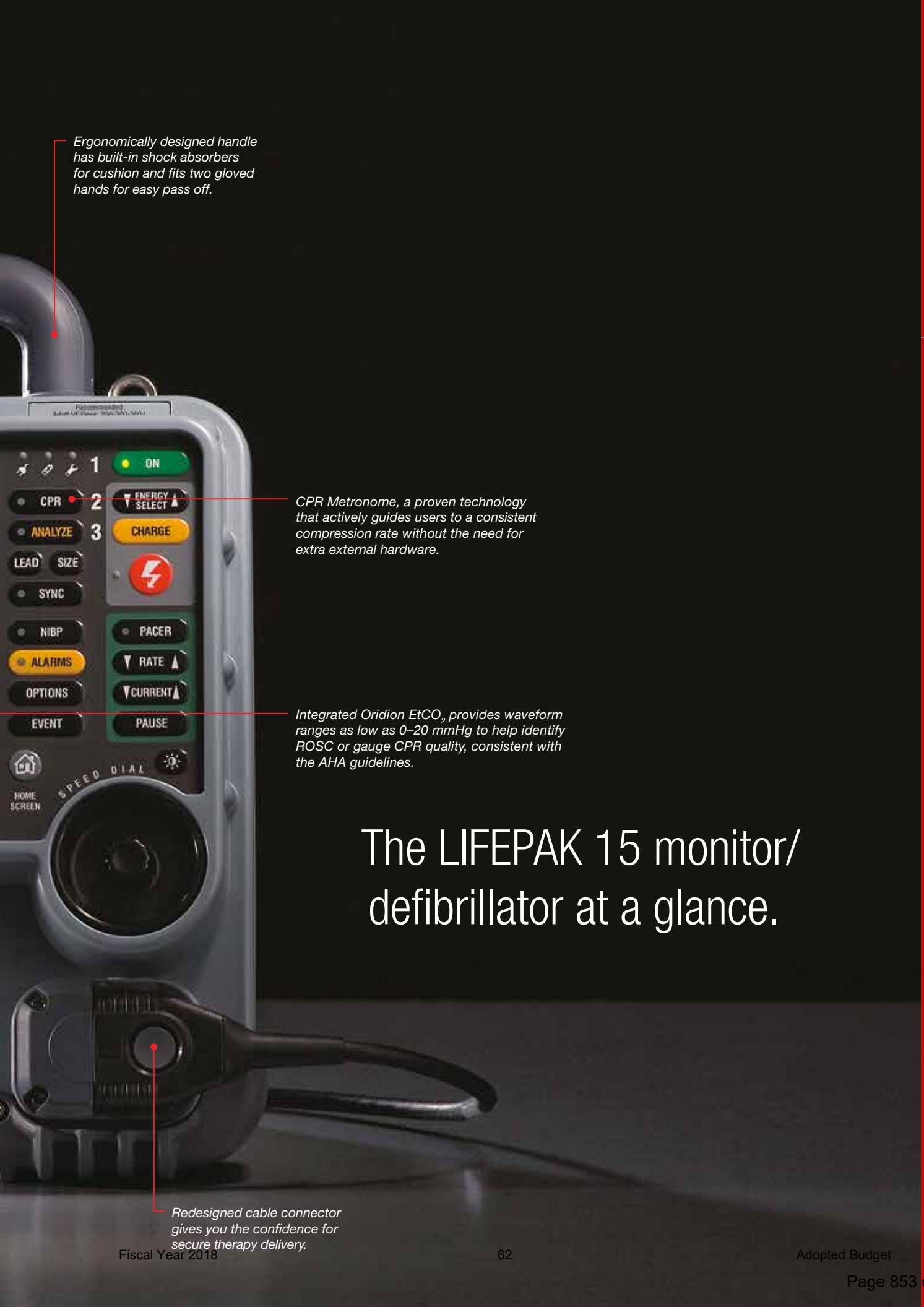
12-lead ECG transmissions via the LIFENET System and ST segment trend monitoring make the LIFEPAK 15 device a vital part of decreasing EMS-to-Balloon (E2B) response times.

Integrated Carbon Monoxide and Methemoglobin monitoring.



On-screen temperature display in either Celsius or Fahrenheit.

Large screen for better visibility and easy monitoring and one touch to switch from LCD color view to SunVue mode for best viewing in sunlight.



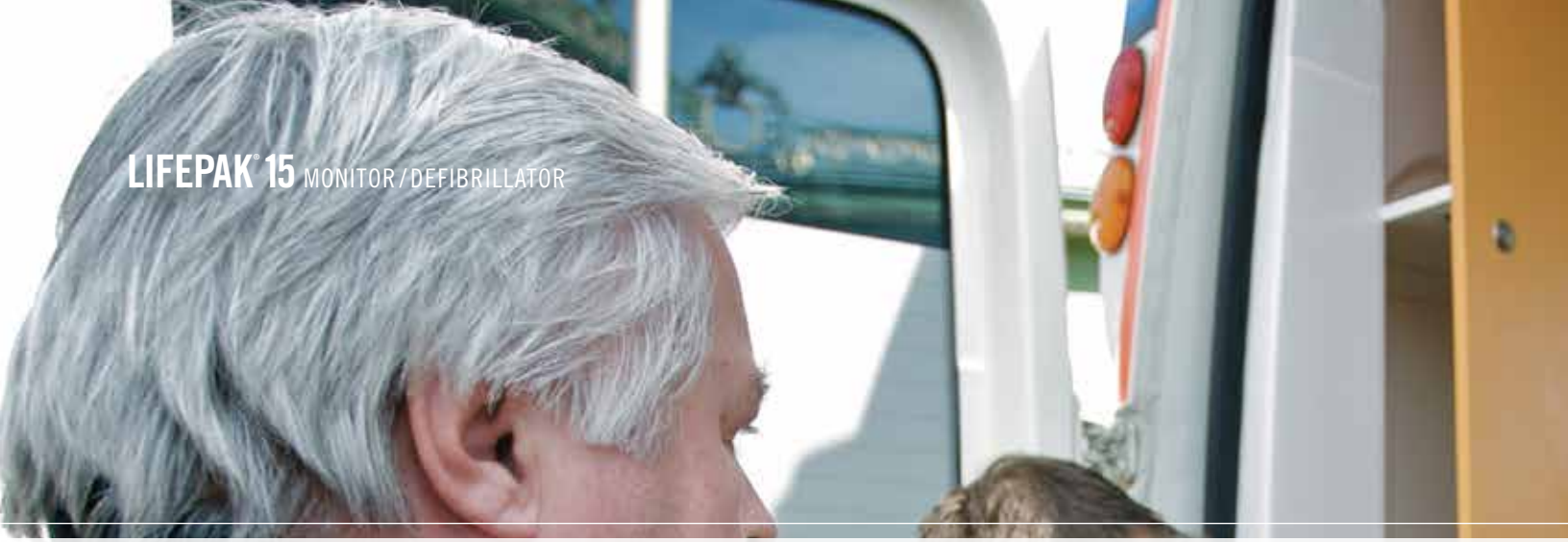
Ergonomically designed handle has built-in shock absorbers for cushion and fits two gloved hands for easy pass off.

CPR Metronome, a proven technology that actively guides users to a consistent compression rate without the need for extra external hardware.

Integrated Oridion $EtCO_2$ provides waveform ranges as low as 0–20 mmHg to help identify ROSC or gauge CPR quality, consistent with the AHA guidelines.

The LIFEPAK 15 monitor/ defibrillator at a glance.

Redesigned cable connector gives you the confidence for secure therapy delivery.



For six decades, Physio-Control has been developing technologies and designing devices that are legendary among first response professionals, clinical care providers, and the community.









A legacy of trust.

Since we were founded in 1955, Physio-Control has been giving medical professionals around the world legendary quality and constant innovation. Our LIFEPAK devices have been carried to the top of Mount Everest. They've been launched into orbit on the International Space Station. And you'll find more than half a million units in use today on fire rescue rigs, ambulances, and hospital crash carts worldwide.

We are inspired and informed by the rescuers who choose our products to save lives. The knowledge gained from working with some of the world's largest EMS organizations helps us constantly improve clinical standards and durability.

Today, we continue our legacy of innovation with leading technologies that improve patient care. Our 360J biphasic technology gives patients the best chance at survival. Our secure, web-based flow of ECG data helps improve STEMI patient outcomes. And our carbon monoxide monitoring helps catch the number one cause of poisoning deaths.

From the streets to the emergency room to the administrative office, we offer a powerful suite of solutions that range from code response to quality control analysis. And even as we bring ground-breaking products to the market, some things don't change. As always, when you choose our products, you don't just get a device. You also get the most comprehensive warranty in the business, industry-leading technical service, and a partner with six decades of experience in emergency care.

For more information about the LIFEPAK 15 monitor/defibrillator—and how it can help you do what you do best—please contact your local Physio-Control representative or visit ***www.physio-control.com****.*

Physio-Control Family of Products and Services

Defibrillators/Monitors



LIFEPAK CR® Plus Automated External Defibrillator (AED)

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the fully automatic LIFEPAK CR Plus AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest (SCA).



LIFEPAK® 1000 Defibrillator

The LIFEPAK 1000 Defibrillator is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the *1000* to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve.



LIFEPAK® 15 Monitor/Defibrillator

The LIFEPAK 15 monitor/defibrillator is the standard in emergency care for ALS teams who want the most clinically innovative, operationally effective and LIFEPAK TOUGH™ device available today. The *15* offers sophisticated clinical technologies with a rich array of features—like the most powerful escalating energy available (up to 360J), advanced monitoring parameters and a completely upgradable platform.



LIFEPAK® 20e Defibrillator/Monitor with CodeManagement Module™

Clinically advanced and packed with power, the LIFEPAK 20e defibrillator/monitor is highly intuitive for first responders, and also skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care. The CodeManagement Module adds waveform capnography and wireless connectivity to enhance your hospital's ability to effectively manage resuscitations from preparedness through review.

CPR Assistance



LUCAS® 2 Chest Compression System

Designed to provide effective, consistent and uninterrupted compressions according to AHA Guidelines, LUCAS can be used on adult patients in out-of-hospital and hospital settings.



TrueCPR™ Coaching Device

TrueCPR helps your team optimize their manual CPR performance using simple real-time and post-event feedback on the most critical resuscitation parameters. It accurately measures compression depth through proprietary Triaxial Field Induction technology.

Data Solutions



LIFENET® System

The LIFENET System provides EMS and hospital care teams with reliable, quick access to clinical information through a secure, web-based platform, helping to improve patient care, flow and operational efficiency.

CODE-STAT™ Data Review Software

CODE-STAT data review software is a retrospective analysis tool that provides easy access to data, reports and post-event review.

HealthEMS®

HealthEMS is a remote-hosted field data collection, management and reporting software solution which is proven to help Fire and EMS providers improve patient care and financial performance. HealthEMS creates a two-way information flow which dramatically improves the accuracy and timeliness of information needed to support billing and clinical decision-making.

PulsePoint

PulsePoint Respond alerts CPR-trained bystanders about nearby sudden cardiac arrests in a public area. The app guides the responder to the public location of the incident using a map while also identifying nearby AEDs. Because the PulsePoint solution is integrated into the local dispatch center, alerts are only sent after 911 has been notified.

PulsePoint AED is an app designed to build a comprehensive registry of AEDs available for use during cardiac emergencies. AED submissions are verified by the local agency and then become available within the Respond app.

Support



Physio-Control Service

With a service plan from Physio-Control, you are free to focus on your mission while relying on us to help to ensure the integrity of your lifesaving tools. From emergency repairs to software updates to preventive maintenance, we respond to every service call with speed and expertise so you have the peace of mind to do your job with confidence.


LIFEPAK® 15 MONITOR/DEFIBRILLATOR
LIFEPAK
FERNO | 93H PROFlex




3

GENERAL

The LIFEPAK 15 monitor/defibrillator has six main operating modes:

AED Mode: for automated ECG analysis and a prompted treatment protocol for patients in cardiac arrest.

Manual Mode: for performing manual defibrillation, synchronized cardioversion, noninvasive pacing, and ECG and vital sign monitoring.

Archive Mode: for accessing stored patient information.

Setup Mode: for changing default settings of the operating functions.

Service Mode: for authorized personnel to perform diagnostic tests and calibrations.

Demo Mode: for simulated waveforms and trend graphs for demonstration purposes.

PHYSICAL CHARACTERISTICS

Weight:

Basic monitor/defibrillator with new roll paper and two batteries installed: 7.9 kg (17.5 lb)

Fully featured monitor/defibrillator with new roll paper and two batteries installed: 8.4 kg (18.5 lb)

Lithium-ion battery: ≤0.6kg (1.3lb)

Accessory Bags and Shoulder Strap: 1.77 kg (3.9 lb)

Standard (hard) Paddles: 0.95 kg (2.1 lb)

Height: 31.7 cm (12.5 in)

Width: 40.1 cm (15.8 in)

Depth: 23.1 cm (9.1 in)

DISPLAY

Size (active viewing area): 212 mm (8.4 in) diagonal; 171 mm (6.7 in) wide x 128 mm (5.0 in) high

Resolution: display type 640 dot x 480 dot color backlit LCD

User Selectable Display Mode: full color or SunVue™ display high contrast

Display: a minimum of 5 seconds of ECG and alphanumerics for values, device instructions, or prompts

Display: up to three waveforms

Waveform Display Sweep Speed: 25 mm/sec for ECG, SpO_2, IP, and 12.5 mm/sec for CO_2

DATA MANAGEMENT

The device captures and stores patient data, events (including waveforms and annotations), and continuous waveform and patient impedance records in internal memory.

The user can select and print reports, and transfer the stored information via supported communication methods.

Report Types:

- Three format types of CODE SUMMARY™ critical event record: short, medium, and long
- 12-lead ECG with STEMI statements
- Continuous Waveform (transfer only)
- Trend Summary
- Vital Sign Summary
- Snapshot

Memory Capacity: Total capacity is 360 minutes of continuous ECG, 90 minutes of continuous data from all channels, or 400 single waveform events.

Maximum memory capacity for a single patient includes up to 200 single waveform reports and 90 minutes of continuous ECG.

COMMUNICATIONS

The device is capable of transferring data records by wired or wireless connection. This device complies with Part 15 of the FCC rules, and its operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Serial Port RS232 communication + 12V available

Limited to devices drawing maximum 0.5 A current

Bluetooth® technology provides short-range wireless communication with other Bluetooth-enabled devices

MONITOR

ECG

ECG is monitored via several cable arrangements:

A 3-wire cable is used for 3-lead ECG monitoring.

A 5-wire cable is used for 7-lead ECG monitoring.

A 10-wire cable is used for 12-lead ECG acquisition. When the chest electrodes are removed, the 10-wire cable functions as a 4-wire cable.

Standard paddles or QUIK-COMBO pacing/defibrillation/ECG electrodes are used for paddles lead monitoring.

Frequency Response:

Monitor: 0.5 to 40 Hz or 1 to 30 Hz

Paddles: 2.5 to 30 Hz

12-lead ECG diagnostic: 0.05 to 150 Hz

Lead Selection:

Leads I, II, III, (3-wire ECG cable)

Leads I, II, III, AVR, AVL, and AVF acquired simultaneously (4-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, and C lead acquired simultaneously (5-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, V1,V2,V3,V4,V5, and V6 acquired simultaneously (10-wire ECG cable)

ECG size: 4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV (fixed at 1 cm/mV for 12-lead)

Heart Rate Display:

20–300 bpm digital display

Accuracy: ±4% or ±3 bpm, whichever is greater

QRS Detection Range Duration: 40 to 120 msec

Amplitude: 0.5 to 5.0 m

Common Mode Rejection (CMRR): ECG Leads: 90 dB at 50/60 Hz

SpO_2/SpCO/SpMet

Sensors:

MASIMO® sensors including RAINBOW® sensors

NELLCOR® sensors when used with the MASIMO RED™ MNC adapter

SpO_2

Displayed Saturation Range: "<50" for levels below 50%; 50 to 100%

Saturation Accuracy: 70–100% (0–69% unspecified)

Adults/Pediatrics:
±2 digits (during no motion conditions)
±3 digits (during motion conditions)

Dynamic signal strength bar graph

Pulse tone as SpO_2 pulsations are detected

SpO_2 Update Averaging Rate User selectable: 4, 8, 12 or 16 seconds

SpO_2 Sensitivity User selectable: Normal, High

SpO_2 Measurement: Functional SpO_2 values are displayed and stored

Pulse Rate Range: 25 to 240 bpm

Pulse Rate Accuracy (Adults/Pediatrics):
±3 digits (during no motion conditions)
±5 digits (during motion conditions)

Optional SpO_2 waveform display with autogain control

SpCO®

SpCO Concentration Display Range: 0 to 40%

SpCO Accuracy: ±3 digits

SpMET®

SpMet Saturation Range: 0 to 15.0%

SpMet Display Resolution: 0.1% up to 10%

SpMet Accuracy: ±1 digit

NIBP

Blood Pressure Systolic Pressure Range: 30 to 255 mmHg

Diastolic Pressure Range: 15 to 220 mmHg

Mean Arterial Pressure Range: 20 to 235 mmHg

Units: mmHg

Blood Pressure Accuracy: ±5 mmHg

Blood Pressure Measurement Time: 20 seconds, typical (excluding cuff inflation time)

Pulse Rate Range: 30 to 240 pulses per minute

Pulse Rate Accuracy: ±2 pulses per minute or ±2%, whichever is greater

Operation Features Initial Cuff Pressure: User selectable, 80 to 180 mmHg

Automatic Measurement Time Interval: User selectable, from 2 min to 60 min

Automatic Cuff Deflation Excessive Pressure: If cuff pressure exceeds 290 mmHg

Excessive Time: If measurement time exceeds 120 seconds

CO_2

CO_2 Range: 0 to 99 mmHg (0 to 13.2 kPa)

Units: mmHg, %, or kPa

Respiration Rate Accuracy:
0 to 70 bpm: ±1 bpm
71 to 99 bpm: ±2 bpm

Respiration Rate Range: 0 to 99 breaths/minute

Rise Time: 190 msec

Response Time: 3.3 seconds (includes delay time and rise time)

Initialization Time: 30 seconds (typical), 10-180 seconds

Ambient Pressure: automatically compensated internally

Optional Display: CO_2 pressure waveform

Scale factors: Autoscale, 0–20 mmHg (0–4 Vol%), 0–50 mmHg (0–7 Vol%), 0–100 mmHg (0–14 Vol%)

Invasive Pressure

Transducer Type: Strain-gauge resistive bridge

Transducer Sensitivity: 5µV/V/mmHg

Excitation Voltage: 5 Vdc

Connector: Electro Shield: CXS 3102A 14S-6S

Bandwidth: Digital filtered, DC to 30 Hz (< -3db)

Zero Drift: 1 mmHg/hr without transducer drift

Zero Adjustment: ±150 mmHg including transducer offset

Numeric Accuracy: ±1 mmHg or 2% of reading, whichever is greater, plus transducer error

Pressure Range: -30 to 300 mmHg, in six user selectable ranges

Invasive Pressure Display

Display: IP waveform and numerics

Units: mmHg

Labels: P1 or P2, ART, PA, CVP, ICP, LAP (user selectable)

Temperature

Range: 24.8° to 45.2°C (76.6° to 113.4°F)

Resolution: 0.1°C

Accuracy: ±0.2°C including sensor

Reusable Temperature Cable: 5 foot or 10 foot

Disposable Sensor Types: Surface–Skin; Esophageal/Rectal

Trend

Time Scale: Auto, 30 minutes, 1, 2, 4, or 8 hours

Duration: Up to 8 hours

ST Segment: After initial 12-lead ECG analysis, automatically selects and trends ECG lead with the greatest ST displacement

Display Choice of: HR, PR (SpO_2), PR (NIBP), SpO_2 (%), SpCO (%), SpMet (%), CO_2 ($EtCO_2$/$FiCO_2$), RR (CO_2), NIBP, IP1, IP2, ST

ALARMS

Quick Set: Activates alarms for all active vital signs

VF/VT Alarm: Activates continuous (CPSS) monitoring in Manual mode

Apnea Alarm: Occurs when 30 seconds has elapsed since last detected respiration

Heart Rate Alarm Limit Range: Upper, 100–250 bpm; lower, 30–150 bpm

INTERPRETIVE ALGORITHM

12-Lead Interpretive Algorithm: University of Glasgow 12-Lead ECG Analysis Program, includes AMI and STEMI statements

PRINTER

Prints continuous strip of the displayed patient information and reports

Paper Size: 100 mm (3.9 in)

Print Speed: 25 mm/sec or 12.5 mm/sec

Optional: 50 mm/sec time base for 12-lead ECG reports

Delay: 8 seconds

Autoprint: Waveform events print automatically

Frequency Response:

Diagnostic: 0.05 to 150 Hz or 0.05 to 40 Hz

Monitor: 0.67 to 40 Hz or 1 to 30 Hz

DEFIBRILLATOR

Biphasic Waveform: Biphasic Truncated Exponential

The following specifications apply from 25 to 200 ohms, unless otherwise specified:

Energy Accuracy: ±1 joule or 10% of setting, whichever is greater, into 50 ohms, ±2 joules or 15% of setting, whichever is greater, into 25-175 ohms.

Voltage Compensation: Active when disposable therapy electrodes are attached. Energy output within ±5% or ±1 joule, whichever is greater, of 50 ohms value, limited to the available energy which results in the delivery of 360 joules into 50 ohms.

Paddle Options: QUIK-COMBO® pacing/defibrillation/ECG electrodes (standard). Cable Length 8 foot long (2.4 m) QUIK-COMBO cable (not including electrode assembly).

Standard paddles (optional)

Manual Mode

Energy Select: 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, and 360 joules

Charge Time: Charge time to 360 joules in less than 10 seconds, typical

Synchronous Cardioversion: Energy transfer begins within 60 msec of the QRS peak

Paddles Leads OFF Sensing: When using QUIK-COMBO electrodes, the device indicates Paddles Leads OFF if the resistive part of the patient impedance is greater than 300 ±15% ohms, or if the magnitude of the patient impedance is greater than 440 ±15% ohms.

AED Mode

Shock Advisory System™ (SAS): an ECG analysis system that advises the operator if the algorithm detects a shockable or non-shockable ECG rhythm. SAS acquires ECG via therapy electrodes only.

Shock Ready Time: Using a fully charged battery at normal room temperature, the device is ready to shock within 20 seconds if the initial rhythm finding is "SHOCK ADVISED"

Biphasic Output: Energy Shock levels ranging from 150–360 joules with same or greater energy level for each successive shock

cprMAX™ Technology: In AED mode, cprMAX™ technology provides a method of maximizing the CPR time that a patient receives, with the overall goal of improving the rate of survival of patients treated with AEDs.

Setup Options:

- Auto Analyze: Allows for auto analysis. Options are OFF, AFTER 1ST SHOCK
- Initial CPR: Allows the user to be prompted for CPR for a period of time prior to other activity. Options are OFF, ANALYZE FIRST, CPR FIRST
- Initial CPR Time: Time interval for Initial CPR. Options are 15, 30, 45, 60, 90, 120, and 180 seconds.
- Pre-Shock CPR: Allows the user to be prompted for CPR while the device is charging. Options are OFF, 15, 30 seconds.
- Pulse Check: Allows the user to be prompted for a pulse check at various times. Options are ALWAYS, AFTER EVERY SECOND NSA, AFTER EVERY NSA, NEVER
- Stacked Shocks: Allows for CPR after 3 consecutive shocks or after a single shock. Options are OFF, ON
- CPR Time: 1 or 2 User selectable times for CPR. Options are 15, 30, 45, 60, 90, 120, 180 seconds and 30 minutes.

PACER

Pacing Mode: Demand or non-demand rate and current defaults

Pacing Rate: 40 to 170 PPM

Rate Accuracy: ±1.5% over entire range

Output Waveform: Monophasic, truncated exponential current pulse (20 ± 1 ms)

Output Current: 0 to 200 mA

Pause: Pacing pulse frequency reduced by a factor of 4 when activated

Refractory Period: 180 to 280 msec (function of rate)

ENVIRONMENTAL

Unit meets functional requirements during exposure to the following environments unless otherwise stated.

Operating Temperature: 0° to 45°C (32° to 113°F); -20°C (-4°F) for 1 hour after storage at room temperature; 60°C (140°F) for 1 hour after storage at room temperature

Storage Temperature: -20° to 65°C (-4° to 149°F) except therapy electrodes and batteries

Relative Humidity, Operating: 5 to 95%, non-condensing. NIBP: 15 to 95%, non-condensing

Relative Humidity, Storage: 10 to 95%, non-condensing

Atmospheric Pressure, Operating: -382 to 4,572 m (-1,253 to 15,000 ft). NIBP: -152 to 3,048 m (-500 to 10,000 ft)

Water Resistance, Operating: IP44 (dust and splash resistance) per IEC 529 and EN 1789 (without accessories except for 12-lead ECG cable, hard paddles, and battery pack)

Vibration: MIL-STD-810E Method 514.4, Propeller Aircraft - category 4 (figure 514.4-7 spectrum a), Helicopter - category 6 (3.75 Grms), Ground Mobile - category 8 (3.14 Grms), EN 1789: Sinusoidal Sweep, 1 octave/min, 10-150 Hz, ±0.15 mm/2 g

Shock (drop): 5 drops on each side from 18 inches onto a steel surface EN 1789: 30-inch drop onto each of 6 surfaces

Shock (functional): Meets IEC 60068-2-27 and MIL-STD-810E shock requirements 3 shocks per face at 40 g, 6 ms half-sine pulses

Bump: 1000 bumps at 15 g with pulse duration of 6 msec

Impact, Non-operating: EN 60601-1 0.5 + 0.05 joule impact UL 60601-1 6.78 Nm impact with 2-inch diameter steel ball. Meets IEC62262 protection level IK 04.

EMC: EN 60601-1-2:2006 Medical Equipment -General Requirements for Safety - Collateral Standard: Electromagnetic Compatibility - Requirements and Tests EN 60601-2-4:2003: (Clause 36) Particular Requirements for the Safety of Cardiac Defibrillators and Cardiac Defibrillator-Monitors

Cleaning: Cleaning 20 times with the following: Quaternary ammonium, isopropyl alcohol, hydrogen peroxide

Chemical Resistance: 60 hour exposure to specified chemicals: Betadine (10% Povidone-Iodine solution), Coffee, Cola, Dextrose (5% Glucose solution), Electrode Gel/Paste (98% water, 2% Carbopol 940), HCL (0.5% solution, pH=1), Isopropyl Alcohol, NaCl solution (0.9% solution), Cosmetic discoloration of the paddle well shorting bar shall be allowed following exposure to HCL (0.5% solution).

POWER

Power Adapters: AC or DC

Power Adapters provide operation and battery charging from external AC or DC power

- Full functionality with or without batteries when connected to external AC/DC
- Typical battery charge time while installed in LIFEPAK 15 device is 190 minutes
- Indicators: external power indicator, battery charging indicator

Dual battery: Capability with automatic switching

Low battery indication and message: Low battery fuel gauge indication and low battery message in status area for each battery

Replace battery indication and message: Replace battery fuel gauge indication, audio tones and replace battery message in the status area for each battery. When replace battery is indicated, device auto-switches to second battery. When both batteries reach replace battery condition, a voice prompt instructs user to replace battery.

Battery Capacity For two, new fully-charged batteries, 20°C (68°F)

Operating Mode		Monitoring (minutes)	Pacing (minutes)	Defibrillation (360J discharges)
Total Capacity to Shutdown	Typical	360	340	420
	Minimum	340	320	400
Capacity After Low Battery	Typical	21	20	30
	Minimum	12	10	6

BATTERY

Battery Specifications

Battery Type: Lithium-ion

Weight: ≤0.6kg (1.3lb)

Charge Time (with fully depleted battery): 4 hours and 15 minutes (typical)

Battery indicators: Each battery has a fuel gauge that indicates its approximate charge. A fuel gauge that shows two or fewer LEDs after a charge cycle indicates that the battery should be replaced.

Charging Temperature Range: 5° to 45°C (41° to 113°F)

Operating Temperature Range: 0° to 45°C (32° to 113°F)

Short Term (<1 week) Storage Temperature Range: -20° to 60°C (-4° to 140°F)

Long Term (>1 week) Storage Temperature Range: 20° to 25°C (68° to 77°F)

Operating and Storage Humidity Range: 5 to 95% relative humidity, non-condensing

REFERENCES

1 Stiell I, Walker R, Nesbitt L, et al. Biphasic Trial: A randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. *Circulation.* 2007;115:1511-1517.

2 Edelson D, Litzinger B, Arora V, et al. Improving in-hospital cardiac arrest process and outcomes with performance debriefing. *Arch Intern Med.* 2008;168:1063-1069.

3 Olasveengen T, Wik L, Kramer-Johansen J, et al. Is CPR quality improving? A retrospective study of out-of-hospital cardiac arrest. *Resuscitation.* 2007;75:260-266.

4 Fletcher D, Galloway R, Chamberlain D, et al. Basics in advanced life support: A role for download audit and metronome. *Resuscitation.* 2008;78:127-134.

All claims valid as of December 2014.

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GDR 3301019_F

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders FY Start 2019 Quarter Q4

Project Location: Fire Department FY End 2019 Quarter Q1

Project Description

Replaced 27 SCBA Units, 45 masks and 72 air cylinders

Project Justification

The current SCBA units were purchased in 2009 under the 2007 NFPA standard for SCBA. NFPA Standards are revised every three years. In 2019 the current SCBA units will be 10 years old and there will have been four NFPA standard revisions that usually deal with safety and technology improvements. The maintenance costs increase substantially with age with SCBA. The technology improvements since 2009 have already allowed costs to come down with the Heads Up Display by over 50%.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$236,816	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$236,816	Reserves
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$236,816	

Financing Comments

Possible Grant Funding

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace E30 a 2006 Pierce Enforcer pumper FY Start 2021 Quarter Q4

Project Location: Fire Department FY End 2021 Quarter Q1

Project Description

Replace E30 2006 Pierce Enforcer Pumper Vin# 4P1CEO1A96A005715

Project Justification

The pumper is 11 years old and has high operating hours from serving as a front line unit for 10 years and is now a reserve unit. In FY21 this unit will be 15 years old and should be considerd for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$526,179	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$526,179	Reserves
2022	$0	$0 this FY
Total Capital Costs	$526,179	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replace E31 a 2002 Pierce Enforcer Pumper FY Start 2019 Quarter Q4

Project Location: Fire Department FY End 2019 Quarter Q1

Project Description

Replace E31 2002 Pierce Enforcer Pumper Vin# 4P1CT02A62A002365

Project Justification

The pumper is 15 years old and has high operating hours from serving as a front line unit for 13 years and is now a reserve unit. In FY18 this unit will be 16 years old and should be considerd for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$497,277	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$497,277	Reserves
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$497,277	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: City

Project Name: Electronic Plan Review - Software FY Start 2020 Quarter Q4

Project Location: City Hall FY End 2020 Quarter Q1

Project Description

Installation of electronic plan review software $42,700 and Base Plan Check and Review Business Process $10,000. Annual operating cost for access first year (3% yearly increase) $36,543.24, Building Permit EPR Interface $1,154.28, ASP Hosting Services $15,024.00. 2nd year total operating $54,673.97. 3rd year $56,314.19. 4th year 58,003.62. 5th year $59,743.72.

Project Justification

Allows for the electronic transmission and review of site plans and building plans for the Community Services Department. This is currently being evaluated with ERP study underway.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$52,720	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$53,082
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$53,082

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$52,720	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$52,720	

Financing Comments

General Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Sidewalk Maintenance/Replacement Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual maintenance and repair of sub-standard, deteriorated and broken sidewalks. This funding will allow for the installation of approximately 25000square feet (1 mile - 5 feet wide) of replacement and new sidewalks on a 50% - 50% split

Project Justification

Sidewalks routinely become non-functional through aging, settling,cracking,tree root damage and vehicle damage. By repairing and replacing sidewalks it reduces the liability to the city

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$50,000	Other Source
2020	$50,000	Other Source
2021	$50,000	Other Source
2022	$50,000	Other Source
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Street Paving Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual milling and paving of city streets, boulevards and parking lots

Project Justification

The City has opproximently 79.1 center line miles of roads and various municipal parking lots. An average of 3 to 4 miles per year will allow the City to maintain roadway surfaces, excluding parking lots, at a minimum level. When streets are repaved, all sidewalks must be equipped with ADA compliant ramps. This will add approximately 10% to paving costs

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$300,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$300,000	Revenue
2019	$300,000	Revenue
2020	$300,000	Revenue
2021	$300,000	Revenue
2022	$300,000	Revenue
Total Capital Costs	$1,500,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Broadview Manor Street Lighting FY Start 2018 Quarter Q4

Project Location: Broadview Manor FY End 2018 Quarter Q1

Project Description

Replace decorative street lighting in Broadview Manor. 28 lights and 60 Quazite Boxes

Project Justification

The decorative street lighting at Broadview Manor has been in place 30+ years. Many of the bases are corroded and parts are becoming unavailable. Old light bases have been found to be insufficient, so new concrete bases, pull boxes and replacement of missing poles will be needed.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$120,000	Other Source
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,000	

Financing Comments

Funding by Special Assessment.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date
$1,750,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,750,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,750,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,750,000	

Financing Comments

Possible funding through the SCTPO and FDOT
1,750,000 funded by General funds
140,000 funded by Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Pineda Street Roadway and Sidwalk Reconstruction FY Start 2019 Quarter Q4

Project Location: Pineda Street from Peachtree St to Dixon Blvd FY End 2019 Quarter Q1

Project Description

Full depth reclaimation of Pineda Street including mixing of existing pavement and base, injecting the material with emulsifier, compacting and grading and adding an asphalt overlay and striping. Also repairing esisting sidewalk and constructing ADA compliant handicap ramps where needed

Project Justification

Pineda Street is a heavly traveled street used by all types of vehicle traffic including school busses. The roadway has deteriorated to the point that the base is failing. The sidewalks are in poor condition and many of the existing handi-cap ramps do not comply with ADA standards

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$675,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$675,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$675,000	

Financing Comments

Possible split with County & School Board
Safe routes to school Grant Funding.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: SR 520 Interim Safety Improvements FY Start 2018 Quarter Q4

Project Location: SR 520 from US 1 to the Indian River Bridges FY End 2018 Quarter Q1

Project Description

Traffic Calming for SR 520 Corridor through Cocoa Village

Project Justification

Traffic Calming for SR 520 through Cocoa Village

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$100,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$100,000	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Steel bench replacement program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2020 Quarter Q1

Project Description

Over the next 3 fiscal years the city is in need of replacing the collection of benches in the City. Appox. 120 8 foot Benches through-out the Downtown and Citywide

Project Justification

the current benches and old and weathered

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$192,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$48,000	Revenue
2020	$48,000	Revenue
2021	$48,000	Revenue
2022	$48,000	Revenue
Total Capital Costs	$192,000	

Financing Comments

Appox 40 benches per year

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Stone Street Corridor Streetscaping (General Funds portion) FY Start 2018 Quarter Q1

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q2

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017.

Project Justification

The Diamond Square CRA intends to redevelop this culturally significant commercial corridor.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$641,104	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$580,552	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$580,552	Combination
2019	$60,552	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$641,104	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$20,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$20,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$20,000	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$26,725	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$26,725	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$26,725	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

Statement of Work (SOW), Pricing, & Payment Terms

***FASTER* Asset Solutions**

100% Employee-Owned

Created For:
City of Cocoa
Date:
March 27, 2017
Senior Software Consultant:
Steve Specht

Pricing in this proposal is valid for 60 days.

Qty	Description	Cost
FMIS Core COTS System		
400	001 – Software Cost: Standard Active Assets: This price includes up to quantity listed standard active assets (which are defined as originally valued at $5000 or greater and active). Each additional asset will be $100.00. This includes one instance of the FASTER Web Application with one database.	$40,000
1	050 – Unlimited Named Accounts: Unlimited user access (named accounts) included.	Included
Add-ons		
1	207nc – Dashboard Add-on: (See Offsetting Discount Below) Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.	$10,000
1	208 – Barcoding Software: Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.	$6,000

1	301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer: This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either: 1. To import a new fuel vendor fuel transaction file. 2. Or, to import a new fuel file from your existing vendor. The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy: 1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used). 2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing. 3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly. (This FI does not import Site & Dispenser information. You can add the importing of Site & Dispenser data to the SFI for an additional ($2,500) cost.)	$3,500
Go-Live Custom Work		
1	333e – Custom Integration: Export: Naviline Export This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.	$8,000
Data Services		
1	408 - Migration Data Conversion: The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration. A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.	$15,000
1	405 – Data Cleanup: If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.	n/a
Configuration & Training		
1	Migration Implementation and Project Management Services	$9,000

1	511 – System Overview Meetings (SOM): System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.	$6,600
1	512 – System Training/Go-Live: This training includes the below training agenda. Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.	See below
1	512a – Go-Live Week System Training - Asset Module (4 Hrs): Should include FASTER System Admin and Asset Managers.	$2,200
1	512b – Go-Live Week System Training - Maintenance Module (4 Hrs): Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.	$2,200
1	512c – Go-Live Week System Training - Parts Module (4 Hrs): Should include FASTER System Admin, Parts Staff and Parts Managers.	$2,200
1	512d – Go-Live Week System Training - Fuel Module (1 Hr): Should include FASTER System Admin and Fuel Clerk.	$550
1	512e – Go-Live Week System Training - Vendors & Accounting Modules (1.5 Hrs): Should include FASTER System Admin, Accounting Staff and Parts Managers.	$825
2	512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs): Should include FASTER System Admin and Technicians.	$1,375

1	512g – Go-Live Week System Training - Additional Trainers (TBD): The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost. Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module. To calculate your additional training costs: -- The cost (including room, board and travel) of the 1st trainer is included in the above costs. -- Travel, room and board will be a flat cost of $1,000 for each additional trainer. -- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require). -- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional $1,000 per trainer would apply for travel, room and board ($1,000 flat fee per trainer times the number of business weeks spanned).	TBD
Discounts		
1	900 – Existing WIN Customer Discount Discount for Existing FASTER WIN Customers	-$4,000
1	905ec – Existing FASTER WIN Customer Dashboard Discount	-$10,000
	Software & Services Total	**$93,450**

Upgrades & Support		
1	801 – Upgrades & Support: Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.	**$13,500**
	Upgrades & Support Total	**$13,500**

Payment Schedule By Milestone	
Milestone	**Percent Due**
Upon Purchase Confirmation	**30%**
COTS Software Delivery	**30%**

COTS System Overview	**20%**
Delivery of Converted Data and Go Live	**20%**
Hourly Work: Hourly work is billed monthly.	**TBD**

Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure. Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process. After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER.*

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

1. Equipment Inventory

- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

2. Graphics (Attachments) and Notes

3. Parts Inventory

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

4. Repair Types/Codes

5. Work Orders/Independent Parts/Deferred Repairs

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

6. Operational Cost/Fuel

- Transactional Detail

7. Equipment Templates

8. Billing History

FASTER Web Handles Data Differently

FASTER Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

Field Names

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

Applets No Longer Standalone

In *FASTER* Web, Applets have been consolidated into modules that represent roles. For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

Process Changes

- Budget account codes are required in FASTER Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type ‘L’ will be migrated to *FASTER* Web as a warranty with a cycle type of ‘Y’ for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web’s cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the ‘Other Cost’ column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.

2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

New Processes Supported in *FASTER* Web

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
- Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

Data Not Migrated

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

Data Not Migrated But Functionality Is Available in *FASTER* Web

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

Data Not Migrated And Functionality Is Not Available in *FASTER* Web

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilitates DB and instance by putting your Facilitates data in the same DB as your Fleet data; you will lose the ability to customize Facilitates separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: City Hall HVAC replacement FY Start 2019 Quarter Q4

Project Location: City Hall FY End 2019 Quarter Q1

Project Description

Replacement of 6 -20 ton conderser and 1-Libert conderser

Project Justification

The HVAC units in City Hall are currently 8 years old and will in FY 19 10 years old

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$40,000	Revenue
2020	$50,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Cocoa Civic Center Rehabilitation FY Start 2019 Quarter Q4

Project Location: Civic Center FY End 2019 Quarter Q1

Project Description

1)The Ballrooms at the Civic Center are in need of some updating. Install new decorative columns and wall coverings in the ballrooms, and lay new carpet squares in the ballroom, foyer and conference rooms. 2) Replace the roof. 3) Update the ballroom, improve the river view, relocate the kitchen, and update all bathrooms. Install storm-rated windows, and new carpet.

Project Justification

1) this is needed to attract wider variety of events, customers and business to the Civic Center. 2) Emergency repairs always cost more than preventative maintenance. The older buildings in the city are in need of roof replacements. If not replaced, the City could incur more cost due to leaks, mold, fungus etc. 3) To increase marketability and bring more events to the downtown area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$865,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$35,000	Revenue
2020	$830,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$865,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Cocoa PD Wall Rehab FY Start 2018 Quarter Q4

Project Location: Police Department FY End 2018 Quarter Q1

Project Description

The pre-cast concrete wall has had mositure intrusion, rusting and spalling of the concrete. The wall is starting to fail in many areas

Project Justification

the Police department compound needs to stay secure

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$63,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$63,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$63,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Fire #2 Rehab FY Start 2018 Quarter Q4

Project Location: Fire #2 FY End 2018 Quarter Q1

Project Description

to repair gutter system, pressure wash and paint exterior, preasure wash and paint the interiors of the Truck bays, replace window with impact windows, repair and replace the bay doors and pave the drive way and employees parking area

Project Justification

to give to the County for use for Public Saftey

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$36,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$36,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$36,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$36,000	

Financing Comments

Budgeted in FY 17 need to move to FY 18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Public Works Pole Barn Rehab FY Start 2019 Quarter Q4

Project Location: Public Works FY End 2019 Quarter Q1

Project Description

Grind all surface rust, clean all metal. Apply rust inhibiting coat to all metal surfaces, apply primer, paint 2 coats of industrial coating.

Project Justification

Building will be in need of sealing and repainting

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$76,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$76,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$76,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Roof replacement Fire station #3 FY Start 2018 Quarter Q4

Project Location: Fire station #3 FY End 2018 Quarter Q1

Project Description

If Fire #3 is going to be kept for a storage building it will need a new roof

Project Justification

Emergency repairs always cost more than preventative maintenance

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$75,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$75,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$75,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Seal/Paint Police department FY Start 2018 Quarter Q4

Project Location: Police department FY End 2018 Quarter Q1

Project Description

Pressure wash ,seal and Paint Police department

Project Justification

The PD building was last painted over 10 years ago.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$32,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: 2 Digital message boards FY Start 2018 Quarter Q4

Project Location: City Wide - TBD FY End 2018 Quarter Q1

Project Description

One new Digital message boards for the new Fire Stations purchased in FY18 and one in FY19.

Project Justification

to better infor our citzens with message boards throughout the City

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$100,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$50,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$100,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: New Joe L. Smith Center for Justice FY Start 2017 Quarter Q4

Project Location: Joe L. Smith FY End 2019 Quarter Q1

Project Description

To Design and build a new Joe L. Smith center for justice

Project Justification

A multi-use building .

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$4,560,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$60,000	$0	$115,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$175,000	Reserves
2019	$4,385,000	Grant
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,560,000	

Financing Comments

Diamond Square CRA TIF, CDBG 108 loan, other possible grant source, Debt proceeds and General Fund contribution.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: Total Fitness system FY Start 2018 Quarter Q4

Project Location: Bracco Pond walking path FY End 2018 Quarter Q1

Project Description

Two complete outdoor fitness systems, 1 Jr. Fitness (ages 9-14) with 14 stations with 84 exercises designed for pre-teens and teenagers. 2 Prime fitness(ages 13 and up) with 10 stations with 120 exercises.

Project Justification

To prompt a healthy life style in the City Parks

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$95,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$95,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,000	

Financing Comments

Possible FRDAP Grant and revenue

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Trash Can replacement FY Start 2018 Quarter Q4

Project Location: City-wide FY End 2018 Quarter Q1

Project Description

To update all the trash cans through-out Downtown and City-wide 35 new Trash cans

Project Justification

To replace old and weathered trash cans and to have one style of trash can through-out the downtown and City wide

Strategic Connection: to

N/A

Total Cost of Project	Total Cost to Date
$50,050	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$25,025	Revenue
2020	$25,025	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,050	

Financing Comments

35 Trash cans - $ 1,430 per can

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Special Revenue Funds Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: 6 Forrest Avenue Gateway Entry Feature FY Start 2018 Quarter Q4

Project Location: Cocoa CRA FY End 2018 Quarter Q1

Project Description

Develop and install a gateway entry feature at 6 Forrest Avenue to signify entry into Historic Cocoa Village.

Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$260,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$260,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$260,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$260,000	

Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

CIE_Designation ☐

6 Forrest Avenue
Project #: CP1502

Brevard County Property Appraiser



May 16, 2017

1:1,000

0 45 90 180 ft

0 12.5 25 50 m

BCPAO Pictometry 2846850

For illustration only. Not a survey. Map layers may not precisely align.

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Brevard Ave Streetscape Project FY Start 2020 Quarter Q4

Project Location: Downtown Cocoa FY End 2021 Quarter Q1

Project Description

Upgrade water, sewer, stormwater system and landscaping on Brevard Ave. from S.R.520 to Rosa L. Jones. Also re-paving and striping of roadways

Project Justification

Brevard Ave is the main throughfair into Cocoa Village. The existing water and sewer have been in existance since the 1920's and the streetscape portion was done in the 1970's. All of the utilities are in need of a major up-grade.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$4,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$500,000	Combination
2021	$3,500,000	Combination
2022	$0	$0 this FY
Total Capital Costs	$4,000,000	

Financing Comments

Joint Project; Funded by; Cocoa CRA / General Fund / Utilities and Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction) FY Start 2018 Quarter Q4

Project Location: Riverfront Park and Lee Wenner Park FY End 2018 Quarter Q1

Project Description

Extend and reconstruct the T-dock to accommodate larger vessels, such as ICW cruisers.

Project Justification

The Cocoa Redevelopment Plan and the approved Waterfront Master Plan identify this project. The expansion of the T-dock will allow greater boater access to Cocoa Village and allow for larger vessels to bring additional patrons to the Village.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$464,000	$50,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$50,000	$0	$0	$364,000

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$414,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$414,000	

Financing Comments

FIND Grant of $25,000 was awarded in FY 2014 for design and engineering. Construction grant of $192,803 will be sought from FIND with Cocoa CRA TIF of $191,803 as 50% match for construction reimbursement.

CIE_Designation ☐

Project #: PW16RP

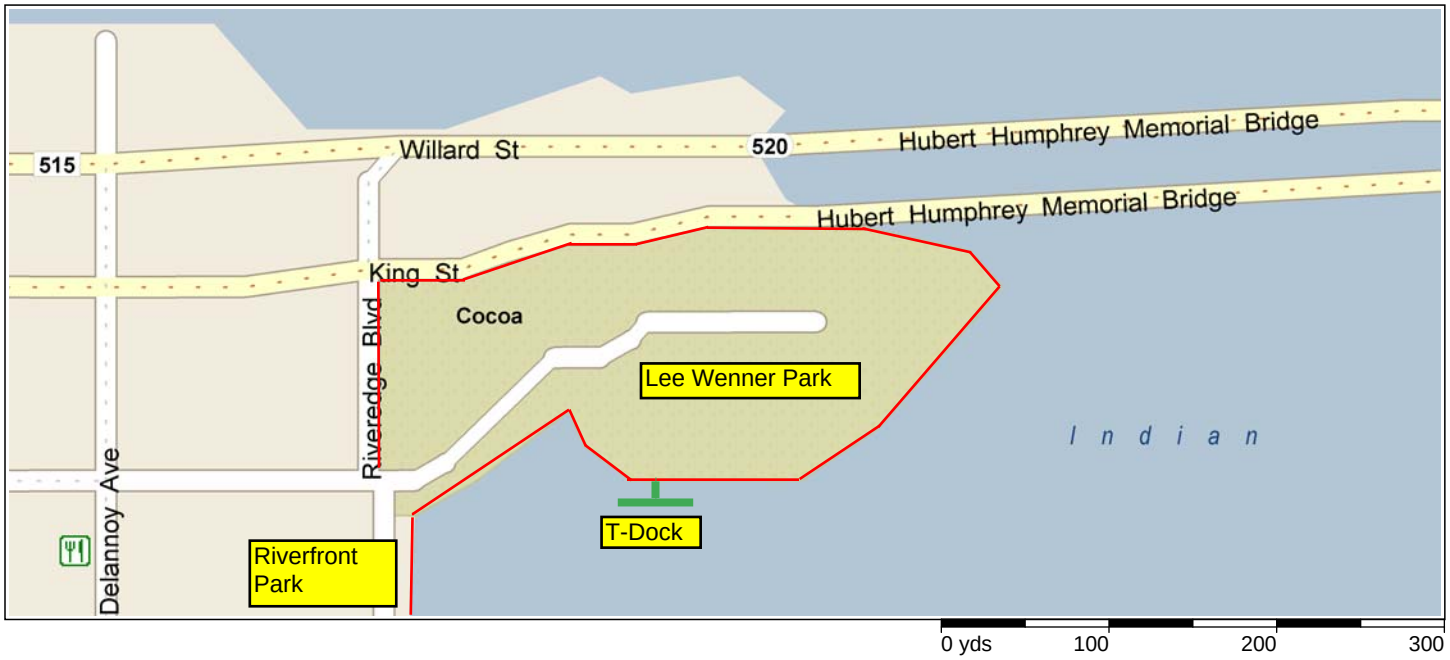
Docking Locations



*No docking at Day Docks between the hours of 12:00 am and 5:00 am
*Day docks are restricted to a maximum 8 hour time limitation
*T-Dock is restricted to a maximum 48 hour time limitation
*No time restriction at Dinghy Dock

Project #: CS14LW

Florida Inland Navigation District - Project Boundary Map



City of Cocoa
Riverfront Park T-Dock Expansion Project

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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Cocoa Village Wayfinding and Signage Program FY Start 2022 Quarter Q4

Project Location: Cocoa CRA FY End 2022 Quarter Q1

Project Description

Develop and install wayfinding signs at key locations within the City directing traffic to and within Historic Cocoa Village.

Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program. The CRA has allocated $100,000 towards the design of the wayfinding project which was completed in FY 2015. Total project costs for the implementation of the program are estimated at $500,000.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$500,000	$67,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$2,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$433,000	Combination
Total Capital Costs	$433,000	

Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: D1

Project Name: Downtown Parking Garage FY Start 2019 Quarter Q1

Project Location: Stone and Oleander Streets FY End 2021 Quarter Q4

Project Description

Construction of a 3-story public parking structure serving Historic Cocoa Village which will provide approximately 300 public spaces as well as additional commercial/retail space on the 1st floor.

Project Justification

The Parking Study conducted in 2007 will be updated in 2017.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$5,500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	Combination
2019	$5,500,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$5,500,000	

Financing Comments

The City/CRA is currently seeking a public-private partnership to assist with funding of project.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: D1

Project Name: Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion) FY Start 2018 Quarter Q3

Project Location: Harrison Street from Delannoy Ave to the entrance to Lee Wenner Park FY End 2018 Quarter Q1

Project Description

Streetscaping of Harrison Street from Delannoy Avenue to the entrance to Lee Wenner Park.

Project Justification

This project will enhance the walkabilty and safety of pedestrian, bicyclists and automobiles as well as much needed stormwater management.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$396,994	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$396,994	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$396,994	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Lee Wenner Park Paving and Striping FY Start 2021 Quarter Q4

Project Location: Lee Wenner Park FY End 2021 Quarter Q1

Project Description

Mill, pave and re-stripe parking and drive lanes in Lee Wenner Park

Project Justification

The asphalt in the park is old and deteriorated. The existing striping for parking has faded. Re-doing both will enhance the overall apperance of the park

Strategic Connection: Operational

Enhanced parking will increase the overall apperance of the park and draw more visitors

Total Cost of Project	Total Cost to Date
$125,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$125,000	Other Source
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$125,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: D1

Project Name: Riverfront Park Day Slips FY Start 2018 Quarter Q4

Project Location: The northeastern most section of Riverfront Park at the boardwalk. FY End 2018 Quarter Q1

Project Description

Construction of additional day 6 to 10 slips at Riverfront Park.

Project Justification

With the increased development/redevelopment of Historic Cocoa Village, it is anticipated additional day slips will be needed for boaters.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$45,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$45,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$45,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$45,000	

Financing Comments

The City is applying for FIND grant, where 50% of construction costs will be funded. Cocoa CRA TIF is funding the remaining 50%.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: D1

Project Name: Riverfront Park Mooring Field FY Start 2019 Quarter Q1

Project Location: East of Riverfront Park in Indian River Lagoon. FY End 2020 Quarter Q4

Project Description

Public Mooring Field with up to sixty (60) mooring anchors fronting the bulkhead of Riverfront Park, north of existing FPL right-of-way.

Project Justification

Mooring Field will allow for the safe and sanitary mooring of larger vessels currently dropping anchor east of the Park in the River. Dangerous conditions exist with unstable mooring and sanitation issues, including derelict vessels.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$343,354	$98,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$50,000
Maintenance	$25,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$75,000

Capital Costs and Proposed Financing by Fiscal Year

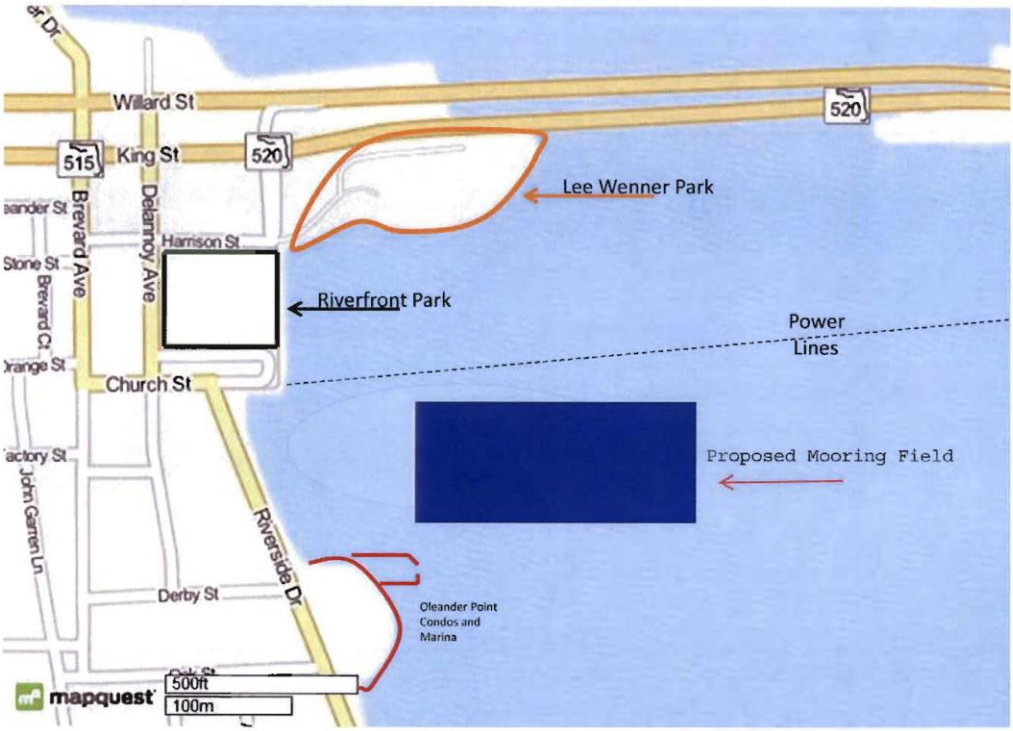
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$245,354	Grant
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$245,354	

Financing Comments

FIND grant will be sought for construction of just the mooring field, not dockside amenities. A public/private partnership will be sought for construction as well as ongoing operational costs.

CIE_Designation ☐

City of Cocoa – Riverfront Park Mooring Field Project Boundary Map



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: - Project #: Account #: CIP Classification: District: D1

Project Name: Southern Gateway Traffic Circle FY Start 2022 Quarter Q4

Project Location: Traffic Circle - Brevard Avenue and Rosa L Jones Drive FY End 2022 Quarter Q1

Project Description

Rebuild the Brevard Avenue/Rosa L Jones Drive traffic circle as a functioning public square and gateway entry feature for the southern entrance to Historic Cocoa Village.

Project Justification

The Traffic Circle is contained in the Cocoa CRA Waterfront Master Plan. The rebuilt square will address vehicle and pedestrian safety concerns as well as add to the inventory of public space. The CRA has completed preliminary engineering and is 50% complete with design and engineering.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,849,405	$163,684

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$1,685,721	Combination
Total Capital Costs	$1,685,721	

Financing Comments

TIF revenues as well as grants and other funding sources will be researched.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: ***New Fire Stations Construction - Subject to funding availability FY Start 2017 Quarter Q4

Project Location: Different City locations FY End 2017 Quarter Q1

Project Description

Construction of 3 new fire stations with 1 containing Admin Offices.

Project Justification

The annexation to the north and west, the City needs to re-align and construct new fire stations to decrease and maintain response times and provide more efficient coverage and to better serve to Cocoa.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$8,000,000	$1,500,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$300,000	$0	$4,551,699	$0

Recurring Annual Costs	
Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year		
2018	$4,851,699	Combination
2019	$1,648,301	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$6,500,000	

Financing Comments

Fire assessment /Bond

Funds carried forward from FY16

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: HEART OF COCOA MEETING ROOM FY Start 2017 Quarter Q4

Project Location: 217 Factory street FY End 2017 Quarter Q1

Project Description

To build a City / Community meeting room. The room will be about 36x23 with a bathroom.

Project Justification

The City has purchased the land at 217 Factory Street and is awaiting a tenant

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$5,000	$0	$155,000	$0

Recurring Annual Costs

Operating	$1,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$2,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$160,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$160,000	

Financing Comments

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Water/Sewer Enterprise Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Meter reading Hand Held Utility Usage Reading Capture Devices FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

Project Description

Replacement of 14 Handheld Meter Reader reading capture devices with the Neptune Trimble Ranger 3Xe Data Collector. The Hardware is estimated at $5,950 each hand held, $485 each charging and communication cradle, $564 each unit per year for annual maintenance after two year warranty expires, and $2,500 in on-site system training.

Project Justification

The current Itron MV-RS has announced the end of new sales to be December 31, 2016 and the support for existing equipment to be December 31, 2021. The current technology was procured in 2011. We currently invest in the Neptune product for RF meter reading data collection using the MRX920 unit and the N_Sight R900 Software. This unit is new to the market and pushing it out to 2018 will allow for valuable feedback from other utility customers. It is also the only unity currently on the market that will read a mixed route of both visually read meters and Neptune RF registers maximizing the efficiency of collecting any given mixed route readings. The annual maintenance is also less on Neptune equipment than Itron by approximately $4,000 per year.

Strategic Connection: Strategic Plan/Utilities Master Plan

Utility Master Plan.

Total Cost of Project	Total Cost to Date
$101,486	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$91,090	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$7,896
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$7,896

Capital Costs and Proposed Financing by Fiscal Year

2018	$91,090	Revenue
2019	$10,396	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$101,486	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$20,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$20,000	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$20,000	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

Statement of Work (SOW), Pricing, & Payment Terms

***FASTER* Asset Solutions**

100% Employee-Owned

Created For:
City of Cocoa
Date:
March 27, 2017
Senior Software Consultant:
Steve Specht

Pricing in this proposal is valid for 60 days.

Qty	Description	Cost
FMIS Core COTS System		
400	001 – Software Cost: Standard Active Assets: This price includes up to quantity listed standard active assets (which are defined as originally valued at $5000 or greater and active). Each additional asset will be $100.00. This includes one instance of the FASTER Web Application with one database.	$40,000
1	050 – Unlimited Named Accounts: Unlimited user access (named accounts) included.	Included
Add-ons		
1	207nc – Dashboard Add-on: (See Offsetting Discount Below) Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.	$10,000
1	208 – Barcoding Software: Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.	$6,000

1	301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer: This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either: 1. To import a new fuel vendor fuel transaction file. 2. Or, to import a new fuel file from your existing vendor. The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy: 1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used). 2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing. 3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly. (This FI does not import Site & Dispenser information. You can add the importing of Site & Dispenser data to the SFI for an additional ($2,500) cost.)	$3,500
Go-Live Custom Work		
1	333e – Custom Integration: Export: Naviline Export This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.	$8,000
Data Services		
1	408 - Migration Data Conversion: The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration. A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.	$15,000
1	405 – Data Cleanup: If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.	n/a
Configuration & Training		
1	Migration Implementation and Project Management Services	$9,000

1	511 – System Overview Meetings (SOM): System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.	$6,600
1	512 – System Training/Go-Live: This training includes the below training agenda. Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.	See below
1	512a – Go-Live Week System Training - Asset Module (4 Hrs): Should include FASTER System Admin and Asset Managers.	$2,200
1	512b – Go-Live Week System Training - Maintenance Module (4 Hrs): Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.	$2,200
1	512c – Go-Live Week System Training - Parts Module (4 Hrs): Should include FASTER System Admin, Parts Staff and Parts Managers.	$2,200
1	512d – Go-Live Week System Training - Fuel Module (1 Hr): Should include FASTER System Admin and Fuel Clerk.	$550
1	512e – Go-Live Week System Training - Vendors & Accounting Modules (1.5 Hrs): Should include FASTER System Admin, Accounting Staff and Parts Managers.	$825
2	512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs): Should include FASTER System Admin and Technicians.	$1,375

1	512g – Go-Live Week System Training - Additional Trainers (TBD): The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost. Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module. To calculate your additional training costs: -- The cost (including room, board and travel) of the 1st trainer is included in the above costs. -- Travel, room and board will be a flat cost of $1,000 for each additional trainer. -- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require). -- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional $1,000 per trainer would apply for travel, room and board ($1,000 flat fee per trainer times the number of business weeks spanned).	TBD
Discounts		
1	900 – Existing WIN Customer Discount Discount for Existing FASTER WIN Customers	-$4,000
1	905ec – Existing FASTER WIN Customer Dashboard Discount	-$10,000
	Software & Services Total	**$93,450**

Upgrades & Support		
1	801 – Upgrades & Support: Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.	**$13,500**
	Upgrades & Support Total	**$13,500**

Payment Schedule By Milestone	
Milestone	**Percent Due**
Upon Purchase Confirmation	**30%**
COTS Software Delivery	**30%**

COTS System Overview	**20%**
Delivery of Converted Data and Go Live	**20%**
Hourly Work: Hourly work is billed monthly.	**TBD**

Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure. Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process. After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER.*

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

1. Equipment Inventory

- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

2. Graphics (Attachments) and Notes

3. Parts Inventory

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

4. Repair Types/Codes

5. Work Orders/Independent Parts/Deferred Repairs

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

6. Operational Cost/Fuel

- Transactional Detail

7. Equipment Templates

8. Billing History

FASTER Web Handles Data Differently

FASTER Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

Field Names

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

Applets No Longer Standalone

In *FASTER* Web, Applets have been consolidated into modules that represent roles. For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

Process Changes

- Budget account codes are required in FASTER Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type ‘L’ will be migrated to *FASTER* Web as a warranty with a cycle type of ‘Y’ for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web’s cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the ‘Other Cost’ column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.

2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

New Processes Supported in *FASTER* Web

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
- Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

Data Not Migrated

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

Data Not Migrated But Functionality Is Available in *FASTER* Web

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

Data Not Migrated And Functionality Is Not Available in *FASTER* Web

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilitates DB and instance by putting your Facilitates data in the same DB as your Fleet data; you will lose the ability to customize Facilitates separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$26,725	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$13,500
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$13,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$26,725	Combination
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$26,725	

Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Utility Privatization Services FY Start 2018 Quarter Q4

Project Location: Cocoa Beach and Cape Canaveral FY End 2018 Quarter Q1

Project Description

Service assistance for Patrick Air Force Base and Cape Canaveral Air Force Station privatization, which includes a two phase approach. Phase I includes development of RFQ response and Phase II is for contract negotiation.

Project Justification

Project area is with the City's Franchise Area and the City currently provides water to these bases.

Strategic Connection: Strategic Plan/Utilities Master Plan

NA

Total Cost of Project	Total Cost to Date
$1,442,935	$44,145

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$1,398,790	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,398,790	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,398,790	

Financing Comments

Phase I carry forward from FY17 in the amount of $1,398,790.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station FY Start 2018 Quarter Q3

Project Location: TCR Pump Station FY End 2018 Quarter Q1

Project Description

The project includes the replacement of the ATS at the TCR Pump Station which upon a power outage starts the backup power generator and transfers the power feed to the pumps from the main utility to the generator. The ATS failed over a year ago and an assessment was conducted which concluded it was not repairable.

Project Justification

This project is to replace the existing ATS with a new unit.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$200,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$200
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Computerized Maintenance Management System (CMMS) Implementation FY Start 2018 Quarter Q4

Project Location: Dyal FY End 2018 Quarter Q1

Project Description

This project will provide assistance to the City for the purchase and vendor implementation of a computer maintenance and management system (CMMS) package.

Project Justification

Provide CMMS support to populate the database and provide enhancements.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$200,000

Recurring Annual Costs

Operating	$6,000
Maintenance	$5,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$11,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

We estimate roughly $5,000/year in maintenance for programming assistance for the first two or three years.
Budgeted in account:
68-10 = 75,000
52-00 = 135,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Drinking Water System E&IC Reliability and Automation Improvements FY Start 2018 Quarter Q4

Project Location: Various FY End 2022 Quarter Q1

Project Description

Evaluate, design, purchase, build, programming and startup for electrical and I&C improvements at various locations to provide better automation and improved reliability. Improvements may include: power monitoring, report enhancement, redundant instrumentation, automating manual systems, control wiring for final control element feedback, and adding actuators to allow remote operation.

Project Justification

To provide improvements that will better automation and improved reliability.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and better automation.

Total Cost of Project	Total Cost to Date
$1,250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$250,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$250,000	Revenue
2019	$250,000	Revenue
2020	$250,000	Revenue
2021	$250,000	Revenue
2022	$250,000	Revenue
Total Capital Costs	$1,250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Groundwater Clearwell Transfer Pump Control System Upgrade FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Specificy equipment, procurement, installation and testing to upgrade the Dyal groundwater clearwell transfer pump control system.

Project Justification

The project has reached the end of its useful life.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$170,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$170,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$100

Capital Costs and Proposed Financing by Fiscal Year

2018	$170,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$170,000	

Financing Comments

Construction begins 10/17 ends 7/18
$100/year maintenance cost for SCADA "back-up"

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q2

Project Description

This project will replace the existing 48-inch pipe which is a single point of failure. The project improvements were developed based on assessment results.

Project Justification

The existing pipe is severely corroded and at risk of failure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$330,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$330,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$330,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$330,000	

Financing Comments

Design being completed in FY17.

Construction to start 01/18 and will be completed in 07/18.

30 year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP Package System PLC Upgrade - Cal Flow FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Design, bid, and construct a complete PLC upgrade to the cal flow system PLCs. Current PLCs are past he product line end of life.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$90,000

Recurring Annual Costs

Operating	$0
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$100

Capital Costs and Proposed Financing by Fiscal Year

2018	$90,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

Start 12/17 end 03/18

Project budget in FY17 but not expended, therefore rebudget for FY18.

$100/year maintenance cost for SCADA "back-ups"

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

Design, bid, and construct a complete PLC upgrade to the belt filter press system PLCs. Current PLCs have past the product line end of life.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$160,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$160,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$160,000	

Financing Comments

Start 11/17 end 04/18Project budget in FY17 but not expended, therefore rebudget for FY18.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal WTP SCADA server, OS and Server Software Upgrade FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

Specify equipment, procurement, installation, and testing of the Dyal SCADA server OS and service software replacement and improve the lack of storage for GIS at Utilities and CCTV for WFO. Re-purpose existing servers into City use in other non-critical applications. Includes the use of a cluster server environment for mission critical SCADA servers.

Project Justification

This will replace three control critical productions servers and repurpose servers into the City to use in other non critical applications.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$340,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$170,000

Recurring Annual Costs

Operating	$0
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$170,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$170,000	Revenue
Total Capital Costs	$340,000	

Financing Comments

Recurring 4 year life cycle.
Budgeted in accounts:
64-15 = $50,000
52-00 = $120,000
$1000/ year Maintenance cost for back up and Storage.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2020 SCADA Design Programming (Water Capital Project) FY Start 2020 Quarter Q4

Project Location: Dyal WTP FY End 2020 Quarter Q1

Project Description

this includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$120,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2021 SCADA Design Programming (Water Capital Project) FY Start 2021 Quarter Q4

Project Location: Dyal WTP FY End 2021 Quarter Q1

Project Description

This includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date
$60,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$60,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$60,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: FY2022 SCADA Design Programming (Water Capital Project) FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

this includes programming support for design projects that are in the construction phase of work.

Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$120,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$120,000	Revenue
Total Capital Costs	$120,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #03 (2008 Ford F250) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #03 (2008 Ford F250) Serial# 1FTNF21508EA79209

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$32,900

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,900	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,900	

Financing Comments

Replace date: 08/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #121 (2007 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #121 (2007 Ford F250 UTILITY) Serial# 1FTNF20578EA79208

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #130 (2010 Ford F250 UTILITY) FY Start 2019 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q4

Project Description

Replacement of vehicle #130 (2010 Ford F250 UTILITY) Serial# 1FTNF2A5XAEB36439

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,975	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$34,975	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,975	

Financing Comments

Replace Date: 08/08/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #23 (2009 Ford F250 UTILITY) FY Start 2019 Quarter Q3

Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q3

Project Description

Replacement of vehicle #23 (2009 Ford F250 UTILITY) Serial# 1FTNF20589EA32027

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,975	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$34,975	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,975	

Financing Comments

Replace Date: 06/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #47 (1996 Ford LNT8000) FY Start 2020 Quarter Q2

Project Location: Dyal WTP FY End 2020 Quarter Q2

Project Description

Replacement of vehicle #47 (1996 Ford LNT8000) Serial# 1FDYW82E1TVA27431

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$250,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$250,000	

Financing Comments

Replace Date: 01/30/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #78 (2004 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #78 (2004 Ford F250 UTILITY) Serial# 1FDNF20L94EB73420

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Replacement of vehicle #94 (2005 Ford F250 UTILITY) FY Start 2018 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #94 (2005 Ford F250 UTILITY) Serial# 1FTNF20505EC87460

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$34,500	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$34,500

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$34,500	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$34,500	

Financing Comments

Replace Date: 09/09/2018

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS-19 Raw Water Well Rehabilitation FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

Project Description

This project is to assess the scope of well rehabilitation on a case by case basis and implement construction modifications to rehabilitate each well. Each well will be brought back to full discharge capacity and produce high raw water quality.

Project Justification

Cocoa currently has 48 raw water wells. Of the 48 wells, 34 wells are Floridian aquifer wells and are in need of rehabilitation. The wells are the very life blood of the utility system and the wells are critical to providing every potable water user the very water they drink. Many of the wells are over twenty years of age. The capacity of the wells has decreased over time due to casing leaks and other issues. The decrease in capacity also increases the wear on the pumps and requires more electrical power, thereby increasing the operational costs. Also, some of the wells have some water quality issues. The cost of rehabilitating the wells can extend the useful life by many years as opposed to drilling a new well.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate groundwater supply wells critical to the meeting water demands of Cocoa Utility customers

Total Cost of Project	Total Cost to Date
$2,838,979	$1,588,979

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$250,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$250,000	Revenue
2019	$250,000	Revenue
2020	$250,000	Revenue
2021	$250,000	Revenue
2022	$250,000	Revenue
Total Capital Costs	$1,250,000	

Financing Comments

Construction; start 10/17, end 9/22

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-56 Dyal Surface Water Filters Canopy and Enclosure FY Start 2018 Quarter Q1

Project Location: Dyal WTP FY End 2019 Quarter Q1

Project Description

This project iincludes installing a canopy and screened enclosure around the surface water filters to meet FDEP requirements to maintain 4-log virus inactivation provided by the ozone system and filters.

Project Justification

This project is to ensure continued compliance with the FDEP regulatory requirements for FDEP 4-log virus inactivation.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project is required to meet FDEP regulations.

Total Cost of Project	Total Cost to Date
$450,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$39,000	$0	$379,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$500
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$500

Capital Costs and Proposed Financing by Fiscal Year

2018	$418,000	Bond
2019	$32,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$450,000	

Financing Comments

$39,000 Design; start 10/17, end 4/18

$411,000 Construction; start 7/18, end 12/18
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2019 Quarter Q2

Project Description

This project includes replacement of the existing High Service Pump #4 diesel engine with an EPA Tier 4 diesel engine.

Project Justification

This project will bring the diesel engine up to current code.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project required to meet current code.

Total Cost of Project	Total Cost to Date
$970,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$98,000	$0	$0	$0

Recurring Annual Costs

Operating	$6,760
Maintenance	$2,964
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$9,724

Capital Costs and Proposed Financing by Fiscal Year

2018	$98,000	Bond
2019	$872,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$970,000	

Financing Comments

$98,000 Design;start 01/18, end 07/18

$872,000 Construction; start 10/18, end 02/19
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction FY Start 2019 Quarter Q4

Project Location: Dyal FY End 2019 Quarter Q1

Project Description

The project includes design and construction of a concrete slab with curb and tarp system. This is to store dewatered lime sludge, long term storage until the sludge can be removed from the plant site. The area with tarp system will protect the sludge from rain and contamination from invasive weeds.

Project Justification

The project will provide long term storage for the dewatered sludge.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$290,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$290,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$290,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction FY Start 2021 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

Project Description

The project includes a new stairway system to replace the existing ladder access system.

Project Justification

Existing system represents safety hazard.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$420,000	Revenue
Total Capital Costs	$420,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

Project Description

This project includes the update of the SWTP polymer feed system and associated controls. The scope also includes installation of a non-skid floor coating in the polymer room, replacement of failed fans in the first and second floor HVAC systems, replacement of the angle iron stair landing supports due to corrosion, and a control panel for the polymer system upstairs in the belt filter press room.

Project Justification

The new liquid polymer system is to replace a dry product bagged system with liquid system. This will improve safety in the polymer room with non slip flooring. The project includes the update of HVAC system that has reached it's usual life and structural improvements as identified in recent corrosion study at the facility.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$160,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$160,000	Revenue
Total Capital Costs	$160,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const. FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

This project includes installation of the third and fourth Disc Flow Pumps for the Lime Feed System including control wiring, speed, run/start/HOA/feedback.

Project Justification

There are two existing lime feed pumps to serve three softening basins. One pump is needed for each basin plus a unit for standby. A total of four pumps is needed.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$300,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$300,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$200
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$300,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$300,000	

Financing Comments

Construction to begin 12/17 will end 9/18
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q2

Project Description

This project includes sppecifying equipment, and the procurement, installation, and testing of the Dyal server UPS. This is to replace the UPS system with an upsized and more efficient system.

Project Justification

To replace the existing aging UPS system to make it more efficient and update the technology.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$50,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$50,000

Recurring Annual Costs

Operating	$0
Maintenance	$1,500
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$1,500

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,000	

Financing Comments

start 1/18, end 4/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT73 Dyal High Service Pump Control System Upgrade FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q1

Project Description

This project includes redesigning the control panel wiring to create new local PCP PLC panel for increased reliability for the High Service Pumps.

Project Justification

The project will increase reliability for the high service pumps.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$140,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$140,000	Revenue
Total Capital Costs	$140,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #15 (2009 Ford F250 UTILITY) FY Start 2020 Quarter Q3

Project Location: Field Operations - Water FY End 2020 Quarter Q3

Project Description

Replacement of vehicle #15 (2009 Ford F250 UTILITY) Serial# 1FTNF205X9EA32028

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$38,100	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace date: 04/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #171 (2001 Ford F450 Dump) FY Start 2018 Quarter Q4

Project Location: Field Operations - Water FY End 2018 Quarter Q4

Project Description

Replacement of vehicle #171 (2001 Ford F450 Dump) Serial# 1FDXF46F61EB81735

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$49,241	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$49,241

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$49,241	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$49,241	

Financing Comments

Replace Date: 09/06/2017-FY17City
requested replacement date: 09/06/2018-FY18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #174 (2009 Ford F250 Utility) FY Start 2020 Quarter Q4

Project Location: Field Operations - Water FY End 2020 Quarter Q4

Project Description

Replacement of vehicle #174 (2009 Ford F250 Utility) Serial# 1FTNF20519EA32029

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$38,100	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace Date: 08/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #29 (2002 Ford F450 Dump) FY Start 2020 Quarter Q1

Project Location: Field Operations - Water FY End 2020 Quarter Q1

Project Description

Replacement of vehicle #29 (2002 Ford F450 Dump) Serial# 1FDXF46FX2EB83229

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$70,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$70,900	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$70,900	

Financing Comments

Replace Date: 11/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #32 (2002 Ford F450 Dump) FY Start 2020 Quarter Q4

Project Location: Field Operations - Water FY End 2020 Quarter Q4

Project Description

Replacement of vehicle #32 (2002 Ford F450 Dump) Serial# 1FDXF46F62EB83230

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$71,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0

Total Recurring Costs $0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$71,900	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY

Total Capital Costs $71,900

Financing Comments

Replace Date: 07/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #79 (2002 Ford F450 Utility) FY Start 2018 Quarter Q1

Project Location: Field Operations - Water FY End 2018 Quarter Q1

Project Description

Replacement of vehicle #79 (2002 Ford F450 Utility) Serial# 1FDXF46F82EB83228

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$53,939	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$53,939

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$53,939	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$53,939	

Financing Comments

Replace Date: 10/06/2017 - FY17City
requested replacement date: 10/06/2018-FY18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #92 (2008 Ford F350 Utility) FY Start 2019 Quarter Q3

Project Location: Field Operations - Water FY End 2019 Quarter Q3

Project Description

Replacement of vehicle #92 (2008 Ford F350 Utility) Serial# 1FDWF36538EA18192

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$76,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$76,900	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$76,900	

Financing Comments

Replace Date: 06/29/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: 14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2019 Quarter Q2

Project Description

Replacement of existing 14"& 18" AC Raw Water pipeline from Well 17 to Approx. Well 15, which has a history of pipe failures, with new 16" PVC pipe along the same alignment. Installation of in-line isolation valves on existing 36" pipeline adjacent to new redundant line.

Project Justification

This project will replace existing aging infrastructureand increase reliability in the wellfield.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date
$2,445,000	$25,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,420,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$2,420,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$2,420,000	

Financing Comments

Design being done in house by the City in FY17 ($25,000 for survey and geotech). Starting 5/17Construction $2,420,000 in FY18 starting 02/18 ending 09/18
30 Year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Capital Plan Update FY Start 2018 Quarter Q4

Project Location: Cocoa FY End 2018 Quarter Q1

Project Description

Updating the City's Water FY19-FY40 Capital Plan based on the conditions and prioritization of the City's infrastructure annually for a five year period.

Project Justification

The City's infrastructure is continually aging and should be monitored to reprioritize the City's projects annually. This analysis will allow the Capital Plan to be updated according to the changing conditions of the system. The Capital Plan was completed in 2014 and will have a comprehensive update at a 5-year interval.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project updates to the Wastewater and Reclaimed Water Capital Improvement Plan.

Total Cost of Project	Total Cost to Date
$500,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$500,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$500,000	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$500,000	

Financing Comments

Per the City, the Capital Plan Update will be encumbered in FY17. It is estimated that Carry forward for FY18 will be $500,000 (reserves).

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: DS-39 Merritt Island In-line Booster Pump Station FY Start 2018 Quarter Q4

Project Location: Merritt Island FY End 2019 Quarter Q2

Project Description

Installation of an in-line booster pump station with variable frequency drives (VFDs). Includes SCADA Design programming for PLC and HMI systems to support the project. This project is a cost effective alternative to the Pineda Causeway river crossing pipeline. (Reference: Water Capital Plan Project DS39-Alt)

Project Justification

This project will improve fire flow service in the area, and improve the efficiency of the distribution system in the area. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Distribution Infrastructure Improvements TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve efficiency and fire flows.

Total Cost of Project	Total Cost to Date
$1,440,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$150,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$150,000	Bond
2019	$1,290,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY

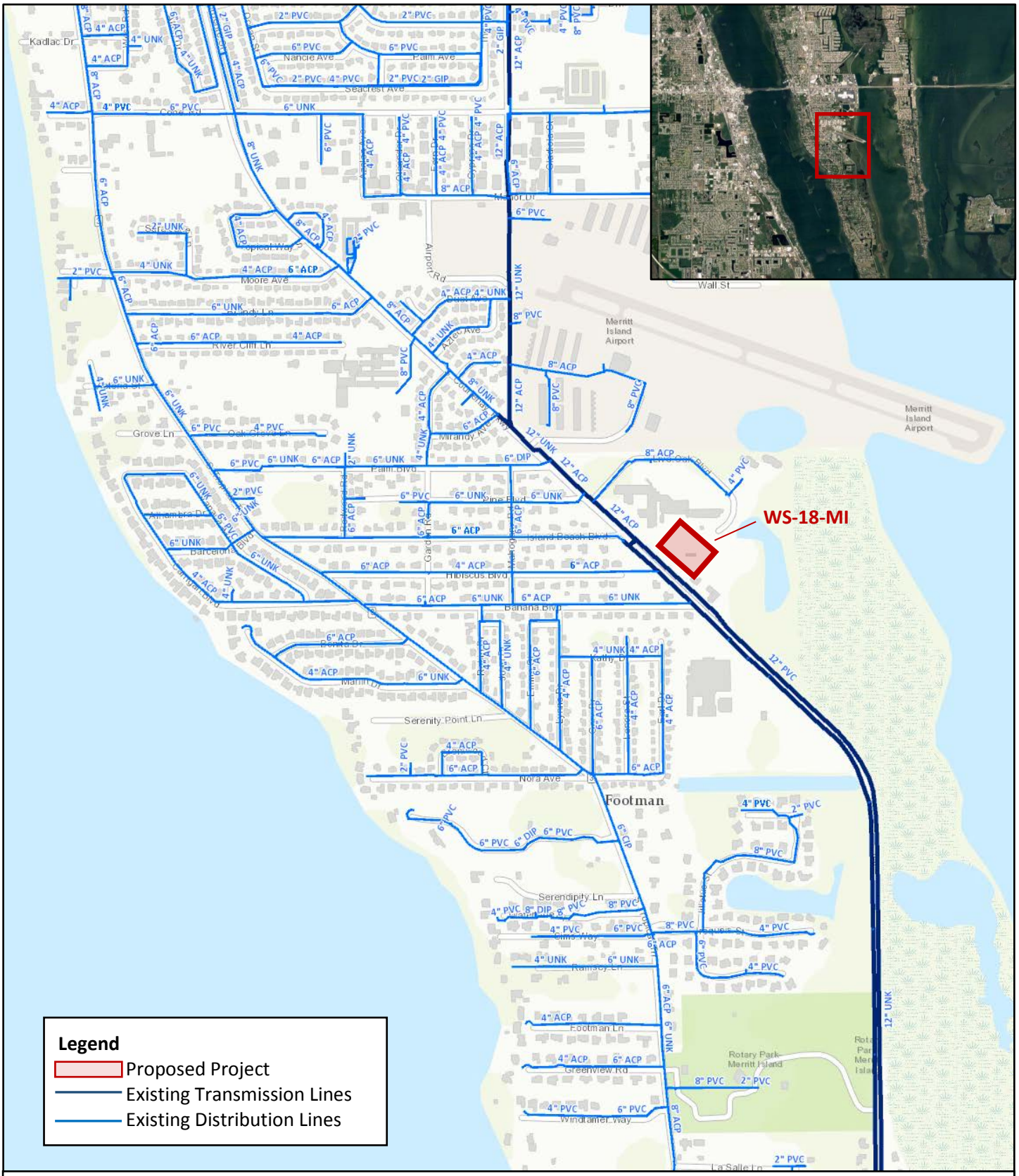
Financing Comments

$150,000 Design; start 02/18, end 08/18
$1,290,000 Construction; strt 11/18, end 08/19
30 Years or greater useful life
Following construction, operating & maintenance cost are estimated at roughly $18,000/year.

Total Capital Costs $1,440,000

CIE_Designation ☐

WS-18-MI – DS39 Merritt Island In-Line Booster Pump



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS40 Ivy Dr. and Fenner Rd. Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q2

Project Description

Installation of two looping 8-inch pipe segments at Gray Rd. and Fenner Rd. and Ivy Dr. 7 Range Rd. N (466 LF and 1474 LF respectively), and two looping 6-inch pipe segments at Sunhome St. and Kimberly St. and Sunhome St. and Clear Lake Rd. (275 LF and 641 LF respectively).

Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$610,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$610,000	Revenue
Total Capital Costs	$610,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS43 Pluckebaum Rd and A Ln Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

Project Description

this project includes installation of a looping 8-inch pipe segment at Pluckebaum Rd. and Clearlake Rd. (3,366 LF), and a looping 6-inch pipe segment at Robeson Rd. and A Ln. (798 LF).

Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$880,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$880,000	Revenue
Total Capital Costs	$880,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS55 Banana River Drive Canal Crossing FY Start 2022 Quarter Q3

Project Location: City FY End 2022 Quarter Q2

Project Description

This project will replace 200 feet of 12-inch ductile iron pipe at the canal crossing between Central and Bayside Streets on Banana River Drive.

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$200,000	Revenue
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

WS-17-BR – Banana River Tank Improvements



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-56 Banana River Tank Improvements FY Start 2018 Quarter Q3

Project Location: Merritt Island FY End 2020 Quarter Q3

Project Description

This project will replace two existing 2MG tanks in kind.

Project Justification

Improvements of the ammonia feed system are required for improvements of water quality in the distribution system. The existing tanks at Banana River are past their useful service life and are in need of replacement.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date
$4,332,136	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$370,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$370,000	Bond
2019	$1,169,634	Bond
2020	$2,792,502	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,332,136	

Financing Comments

$370,000 Design start 6/18 end 12/18 (Bond)

$3,962,136 Construction; start 4/19, end 4/20 (Bond)
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-60 Banana River and Viera Pump Station Chloramination Improvements FY Start 2020 Quarter Q4

Project Location: Merritt Island FY End 2020 Quarter Q1

Project Description

The design and construction of the project will change the existing chlorination system to chloramination system at Viera and Banana River Pump Stations. New systems will include 500 gallon tanks, spill containment, chemical injection system, chemical feed pumps, Chemscan system, precast concrete building, and miscellaneous piping and valves.

Project Justification

Improvements of the existing ystem are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date
$1,180,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$87,616	Revenue
2021	$1,092,384	Revenue
2022	$0	$0 this FY
Total Capital Costs	$1,180,000	

Financing Comments

$87,616 Design; start 10/19, end 6/20

$1,092,384 Construction; start 10/20, end 10/21

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS62 Imperial to Central Pipe Loop/Brown Circle FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

Project Description

The City of Cocoa Utilities will provide two loops from Imperial to Central along Astronaut and Imperial to Astronaut. The project is intended to provide looping in order to maintain water to customers in the event of a break along Brown or Imperial.

Project Justification

Improvements of the existing system are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$310,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$310,000	Revenue
Total Capital Costs	$310,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: DS-63 Marlin Manor Pipeline Improvements - Construction FY Start 2018 Quarter Q3

Project Location: Rockledge FY End 2018 Quarter Q1

Project Description

This project will replace 7,500 feet of 4" and 6" AC pipe with 6" PVC piping in the Marlin Manor neighborhood due to history of catastrophic pipe failures and broken valves.

Project Justification

Replacement of aging pipe due to catastrophic AC pipe failures in this neighborhood.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$2,401,349	$301,349

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,100,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

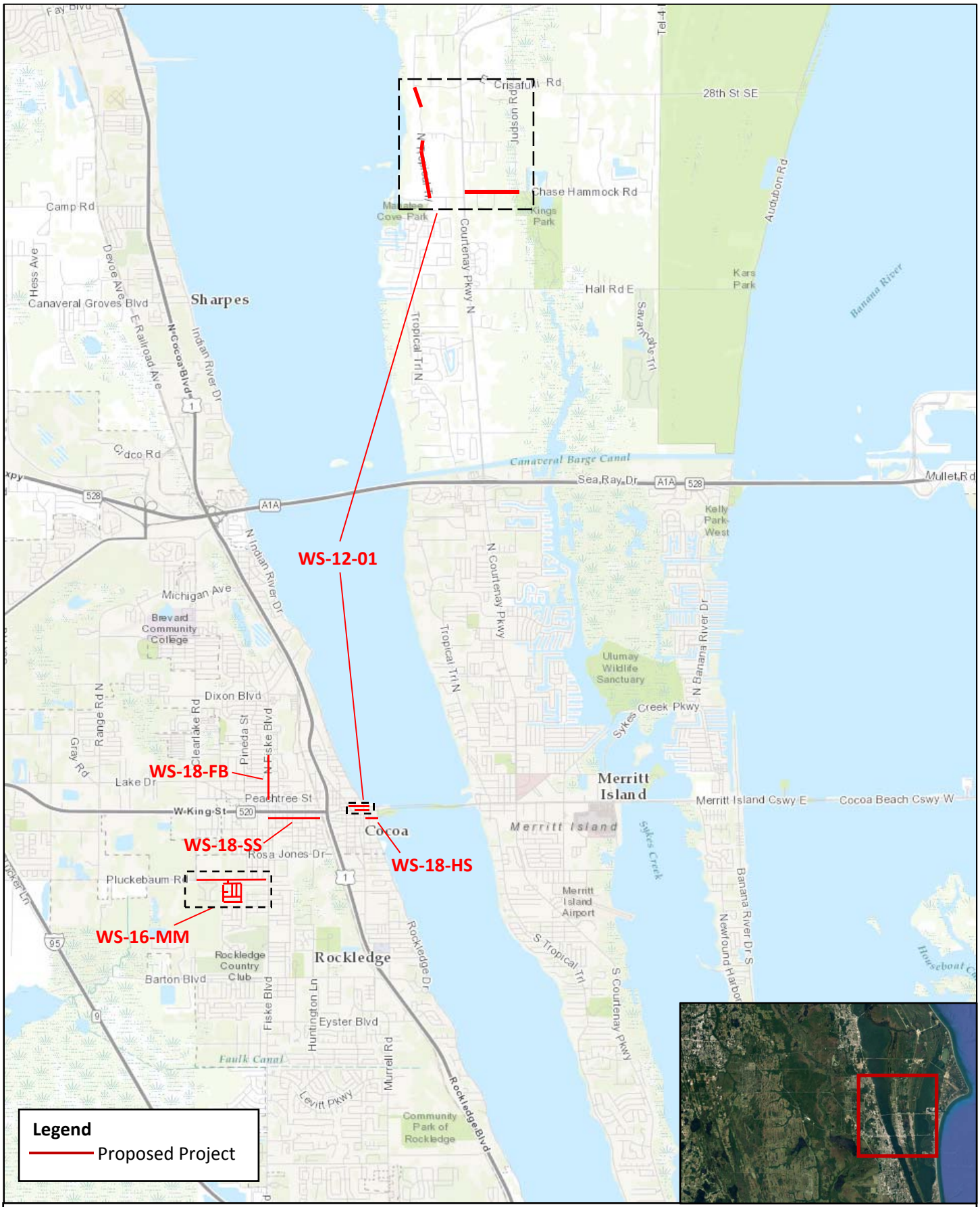
Capital Costs and Proposed Financing by Fiscal Year

2018	$2,100,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$2,100,000	

Financing Comments

The City would like construction in FY18.
$2,100,000 Construction; start 10/17, end 4/18
30 years or greater useful life

CIE_Designation ☐



City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Dyal Chemical Conversion & Reliability Improvement Project - Construction FY Start 2018 Quarter Q2

Project Location: Dyal Plant FY End 2020 Quarter Q4

Project Description

This project includes chemical system upgrades, a redundant finished flow system and new pump station at the dyal Plant. Replacement of two existing back up power generators with same sized generators at the Dyal WTP. Location will be in a new building; Conversion to NaOCL and Liq NH3; (Reference: 2013 Water Capital Plan Project WT50 Emergency Generator Replacement; WT09 Conversion to NaOCl and Liq NH3; WT25 Redundant Finished Flow Pipe and Pit; New Pump Station). Includes SCADA Design programming for PLC and HMI systems to support the project.

Project Justification

This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details. The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and operational flexibility.

Total Cost of Project	Total Cost to Date
$21,831,954	$175,478

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$4,456,476	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$4,456,476	Bond
2019	$13,902,001	Bond
2020	$3,297,999	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$21,656,476	

Financing Comments

Design to be encumbered in FY17 - $2.8 M
Design carry forward FY17 - $1.8M (Reserves)
Construction Total; start 8/18, end 1/20
(Bond) $20,000,000. (FY18 $2.8M with estimated carryforward of $1.8M)
30 year or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Fiber Optic Cable from Dyal WTP to Wewa WTP FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2018 Quarter Q1

Project Description

Design, bid, and contract for a new installation of fiber optic cable from the Dyal WTP control room FOPP to the Wewa WTP FOPP to support communications between the two facilities.

Project Justification

To create a hardline fiber optic connection from Dyal to the Wewahootee. This will improve data reliabilitly and data speed and support communications between water treatment infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will support communication between water treatment plants.

Total Cost of Project	Total Cost to Date
$1,150,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,150,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,150,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,150,000	

Financing Comments

City requested funding in FY18.$1,150,000; start 10/17, end 9/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: Fiber Optic Cable from Police Department to Dyal WTP FY Start 2018 Quarter Q4

Project Location: SR 520 FY End 2018 Quarter Q1

Project Description

Design, bid and contract for a new installation of fiber Optic Cable from Police Department to Dyal WTP

Project Justification

To create a hardline fiber optic connection from Dyal to the City network. This will improve data reliabilitly and data speed and support communications between water treatment infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will improve communication between City departments.

Total Cost of Project	Total Cost to Date
$690,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$690,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$690,000	Bond
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$690,000	

Financing Comments

City to encumber in FY17. No funding in FY18.Project not done in FY17.City requested funding in FY18FY18 $690,000; start 10/17, end 9/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Fiske Boulevard Pipeline Improvements - Peachtree to Highland FY Start 2018 Quarter Q4

Project Location: Cocoa FY End 2018 Quarter Q1

Project Description

The project includes the replacement of 8" AC pipe along Fiske Blvd., between Mitchell and Park with 8" PVC pipe and move the pipeline out of the roadway; Replacement of 6" Cast Iron Pipe along Fiske Blvd., between Fern and Peachtree with 6" PVC and move the pipeline out of the roadway; Replacing all hydrants, install new service lines, move all valves out of the intersection and install new cross connection control devices within the project area.

Project Justification

The pipeline improvements will be completed as part of the Public Works road work improvements planned on Fiske Blvd.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$1,000,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,000,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,000,000	

Financing Comments

City requested construction in FY18. Construction to start 10/17 and be completed 9/18.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Harrison Street Streetscape (Utility portion) FY Start 2019 Quarter Q4

Project Location: Cocoa Village FY End 2019 Quarter Q1

Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These inprovements will improve the overall appearance of this area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$98,720	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$98,720	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$98,720	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Michigan Avenue Force Main (Carry Forward) FY Start 2018 Quarter Q4

Project Location: Michigan Avenue FY End 2018 Quarter Q1

Project Description

Installation of 3000 linear feet of sewer force main along Michian Avenue.

Project Justification

This project provides for redundancy and future growth in the sewer system.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$740,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$40,000	$0	$700,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$740,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$740,000	

Financing Comments

Design Carry Forward $40,000. $700,000 for construction.
30 years or greater useful life

CIE_Designation ☐

WS-17-MI – Michigan Avenue Force Main Extension (US 1 to Clearlake Road)



CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stone Street Corridor Streetscaping (Utility portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017

Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$659,356	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$659,356	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$659,356	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$659,356	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Utilities Program Management FY Start 2018 Quarter Q4

Project Location: Cocoa Utilities FY End 2022 Quarter Q1

Project Description

The purpose of this project is to provide program management services, including program management/administration, design management, construction project support, asset management and public involvement services in support of funded Cocoa Utilities Capital Improvement Plan (CIP) program projects to be funded under the 2010 series bond and a future bond issue anticipated for the first quarter of 2017. Program Management services for projects funded by operating revenues will be funded separately, out of 2017 and 2018 operating revenue budgets.

Project Justification

In the Fall of 2011, the City of Cocoa initiated a program management approach for its Utilities CIP. This approach, while coupled with the Water Capital Plan (authorized in January 2012), enables a risk-based asset management approach for evaluating and prioritizing capital improvement projects to maximize the benefit to the City of Cocoa's rate payers and citizens. The Program approach allows a large volume of projects to be efficiently managed and implemented (including planning, design, bidding and construction), provides transparent financial management, and enables technical experts to be brought in as needed for short periods of time, all while generating new job opportunities for the local businesses and residents and improving Cocoa's level of service to its customers.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$13,026,092	$6,826,092

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$1,500,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$1,500,000	Revenue
2019	$1,400,000	Revenue
2020	$1,200,000	Revenue
2021	$1,100,000	Revenue
2022	$1,000,000	Revenue
Total Capital Costs	$6,200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Wastewater Capital Plan FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF and Collection / Transmission System FY End 2022 Quarter Q1

Project Description

Wastewater Capital Plan.

Project Justification

The Wastewater Capital Plan is updated annually to identify projects that need to be completed over the next 5 years for the Wastewater System. The plan requires a major update every 5 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$30,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$30,000	Revenue
2019	$300,000	Revenue
2020	$30,000	Revenue
2021	$30,000	Revenue
2022	$30,000	Revenue
Total Capital Costs	$420,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-03 Pigging and Flushing Improvements for Raw Water Pipelines FY Start 2022 Quarter Q4

Project Location: State Hwy 520 and Wewahootee Plant Road FY End 2022 Quarter Q1

Project Description

Design and construct pipeline improvements to allow for improved capabilities to pig and flush the raw water pipelines between Wewahootee and Dyal Plants. The project will also include changing out butterfly valves to gate valves. The project includes pigging and flushing of 36-inch pre-stressed concrete cylinder pipe (PCCP) and 42-inch reinforced concrete pipe (RCP) raw water pipelines. (Reference: 2013 Water Capital Plan Project WS-03)

Project Justification

Pigging and flushing are maintenance activities to clear debris that has built up in the raw water pipelines over time. This project is intended to improve the water supply system level of service and reliability as a part of the Utility's ongoing capital improvement program. Improved pigging and flushing of raw water pipelines will increase the hydraulic capacity of the lines. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and improve water quality.

Total Cost of Project	Total Cost to Date
$240,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

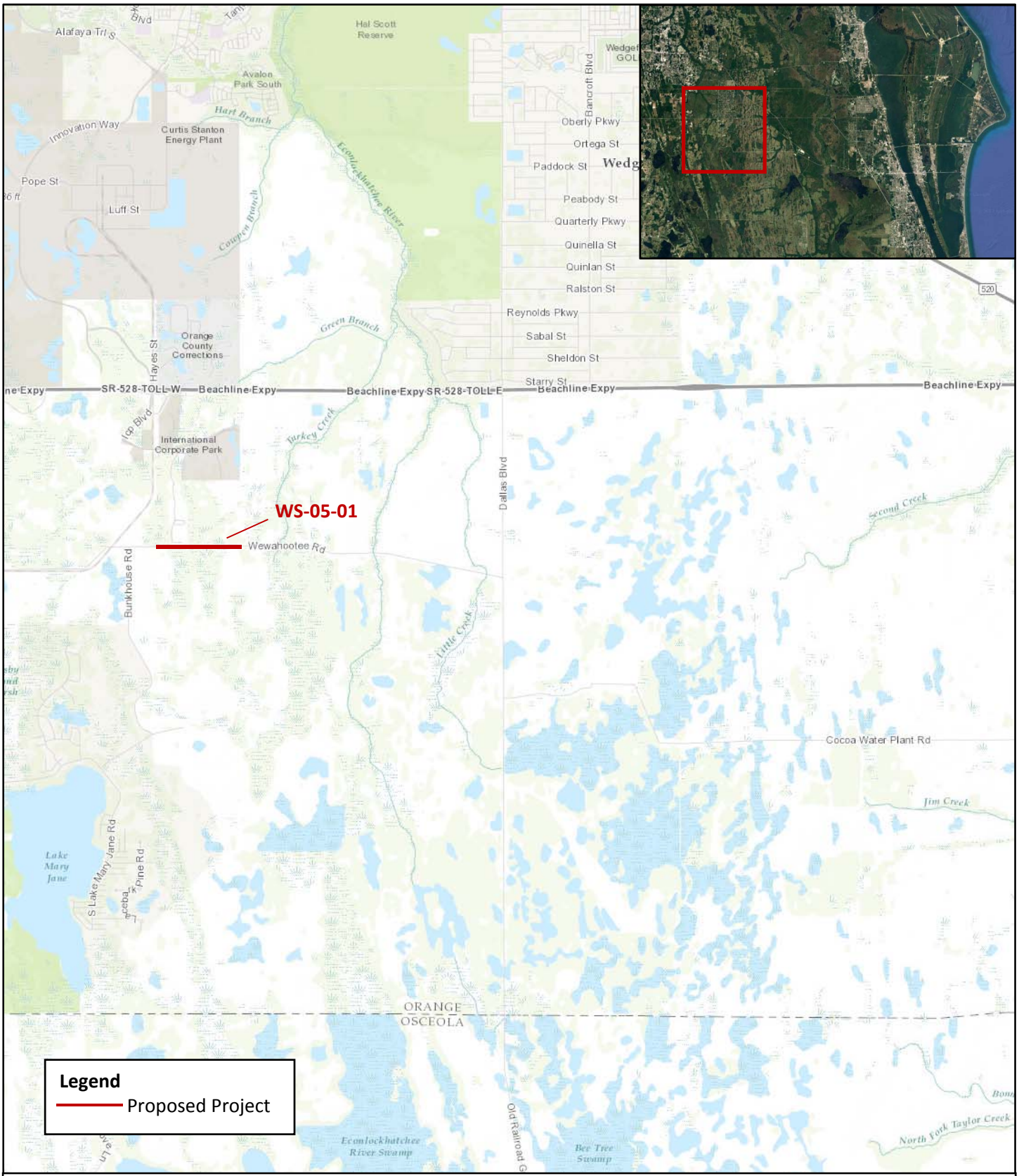
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$240,000	Revenue
Total Capital Costs	$240,000	

Financing Comments

$240,000 Design; start 10/21, end 6/22
Construction $2,290,000; start 8/22, end 7/23
Total $2,530,000

CIE_Designation ☐

WS-05-01 – 14”/18” AC Raw Water Pipeline Upgrade



City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

0 0.5 1mi

N

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-05 54 inch Redundant Pipe to Dyal FY Start 2021 Quarter Q3

Project Location: State Hwy 520 near Dyal WTP FY End 2022 Quarter Q1

Project Description

This projec includes installation of 2,950 LF of 54-inch redundant raw water pipeline which would run parallel to the existing 54-inch line. New 54-inch raw water line would terminate at the 48-inch clarifier influent line within the Dyal WTP. (Reference: 2013 Water Capital Plan Project WS-05)

Project Justification

The new redundant raw water pipe would provide greater flexibility by allowing the utility to take one line out of service for maintenance. The existing 54-inch raw water pipe represents a single point of failure for the raw groundwater source and if it were to fail, it would result in a significant impact on water production. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and maintenance of raw water supply system.

Total Cost of Project	Total Cost to Date
$3,420,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$1,100,955	Revenue
2022	$2,319,045	Revenue
Total Capital Costs	$3,420,000	

Financing Comments

$290,000 Design; start 10/20, end 4/21

$3,130,000 Construction; start 7/21, end 5/22 (Bond) Total Project Cost $3,420,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa FY Start 2020 Quarter Q3

Project Location: Well field FY End 2022 Quarter Q1

Project Description

In East Orange County, the City of Cocoa has 48 raw water wells that deliver water to the Dyal plant for advanced treatment and distribution to customers. As the well field has expanded over the years, the raw water mains have been required to deliver greater quantities of water. The current pipes limit the available flow due to pressure losses and headloss. This project includes the installation of 14,300 LF of large diameter piping downstream of Well 13A continuing along Dallas Rd to the existing 42-inch water supply pipe near the intersection at Dallas Rd and Cocoa Water Plant Rd. Another segment includes approximately 700 feet of large diameter pipe near Well 17. This project will also eliminate the 14-inch asbestos cement (AC) piping. (Reference: 2013 Water Capital Plan Project WS-09)

Project Justification

The projects are intended to improve the water supply system level of service and reliability of the raw water piping. Redundant piping creates flexibility in the system, and reduces O&M costs by alleviating hydraulic constriction which makes pumping more efficient. The project also eliminates some inferior pipe material (AC). This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$8,296,169	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$99,892	Revenue
2021	$5,428,703	Revenue
2022	$2,767,574	Revenue
Total Capital Costs	$8,296,169	

Financing Comments

$99,892 Design; start 10/19, end 2/20

$8,196,277 Construction; start 10/20, end 4/22

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS11 Redundant Pipeline Well 20 to 23 - Design FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q3

Project Description

This project includes installation of approximately 8,300 LF of 24 and 30-inch redundant piping starting at Well 20 and terminating at well 23.

Project Justification

The project will provide redundancy in the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$390,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$390,000	Revenue
Total Capital Costs	$390,000	

Financing Comments

Design in FY2022 $390,000

Construction in FY2023 $4,200,000

30 years of greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS1201 Pipe Infrastructure Assessment and Replacement FY Start 2018 Quarter Q4

Project Location: Utility Service Area FY End 2022 Quarter Q1

Project Description

FY 18 construction projects: DS-31 Chase Hammock Rd Looping - Installation of approximately 5,800 LF of 6" and 8" PVC near the intersections of Chase Hammock Rd. & Judson Rd. and Royal Paddock Way & Stone Lake Dr., and along Forever Young Ln. AND SR-520 Water Distribution System Improvements-Replacement of existing 6" and 8" water mains and associated valves and fire hydrants along King and Willard Streets (State Road 520 eastbound and westbound), from Delannoy Street to Forrest Avenue, in the City of Cocoa. Portions of the approximately 2,500 linear foot alignment will be upsize from 6" to 8". FY 19-FY22:The current utility system consists of approximately 1400 miles of pipe infrastructure of various sizes, ages and materials. As the infrastructure ages, it must be replaced over time. This capital project consists of an assessment program to determine the most critical pipe infrastructure, program management to implement the projects as well as design, permitting and construction to replace aging pipe. This project will consist of engineering, construction, permitting and inspection services.

Project Justification

A systematic approach to plan and predict the replacement of pipe needs to be implemented. The Cocoa Utility pipe system is valued at $900,000,000 per the CH2MHill Asset Assessment report dated January 2010. Assuming a conservative life cycle of 100 years for pipe, the city should be replacing approximately 12 miles of pipe per year in perpetuity.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will assist to determine condition of pipe infrastructure and replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$23,608,964	$7,270,824

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$2,770,786	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

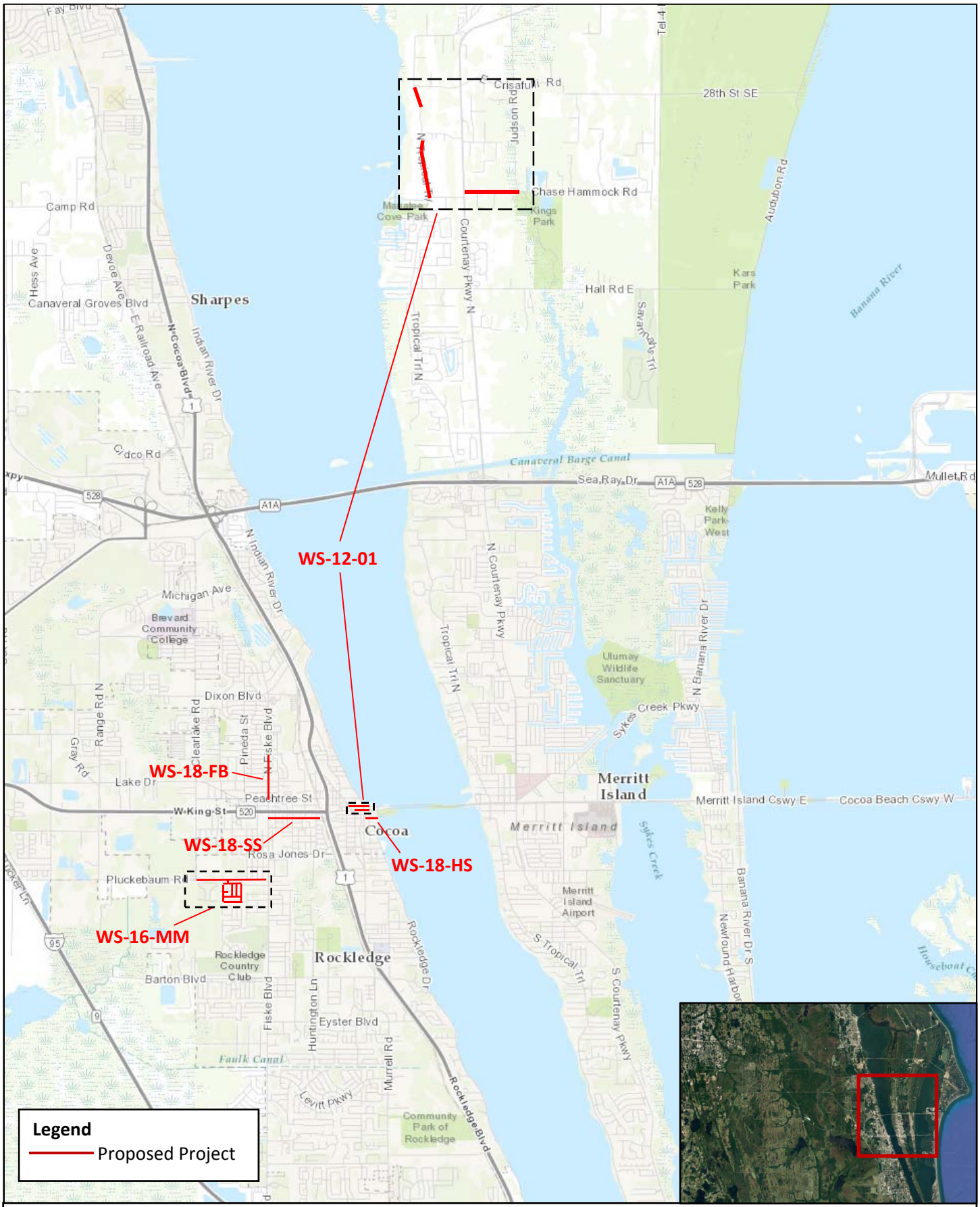
Capital Costs and Proposed Financing by Fiscal Year

2018	$2,770,786	Bond
2019	$2,142,744	Bond
2020	$3,000,000	Bond
2021	$3,424,610	Revenue
2022	$5,000,000	Revenue
Total Capital Costs	$16,338,140	

Financing Comments

FY18 Construction Projects:
Chase Hammock Construction: $960,000 start 10/17 end
SR 520 Construction: $1,501,274 Construction; start 1/18, end 09/18
30 years or greater useful life

CIE_Designation ☐



City of Cocoa
FY 18-22 Water Distribution System
CIP Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS20 Install New Well No. 17 FY Start 2019 Quarter Q4

Project Location: Wellfield FY End 2019 Quarter Q1

Project Description

this project includes construction of new Well No. 17. This includes well site location, permitting and construction of new well.

Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$820,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$820,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$820,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WS22 Wellfield Security Improvements FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

Project Description

Security Improvement Recommendations: Work includes the increased security on western wells (well 15-25), including 8-foot fencing with barbwire, locks, 1-inch mesh, video (with real time video), lighting or infrared, motion sensors. There is no fiber/band width. New fiber network will be required. Existing telemetry can be used as a backup. Refer to VA (11/2002) work by Bill Phillips/GNV. Consider including fiber optic with 14,000' Little Econ/Dallas Pipeline Project.

Project Justification

The project will provide increased security to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$2,300,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$2,300,000	Revenue
Total Capital Costs	$2,300,000	

Financing Comments

30 years or greater
Fence in 63-00
other items in other accounts

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-02 Separation of Groundwater and Surface Water Clear Well FY Start 2018 Quarter Q4

Project Location: Dyal Plant FY End 2018 Quarter Q1

Project Description

The project includes construction of new surface water clear well and modifications to the existing clear well below the GW gravity filters to include a bypass following the surface water gravity filters. (Reference: 2013 Water Capital Plan Project WT-02)

Project Justification

Completion of this project will increase storage capacity and operational flexibility by allowing operations to reject flow from either treatment train (groundwater or surface water) without impacting the other. Completion of the project also contributes to effectively meeting future regulatory requirements and increases flexibility by isolating clear wells from each other during operation. Having separate clear wells prevents the need to empty both clear wells if non-compliant water entered one of them. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve flexibility and meet future regulations.

Total Cost of Project	Total Cost to Date
$11,475,086	$7,479,457

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$3,995,629	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$3,995,629	Reserves
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$3,995,629	

Financing Comments

As of February 17 the project cost to date - $4,670,800It is assumed that $2,808,657 will be spent by 9/17which estimates the carry forward of $2M

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT37 Lime Feed and Storage System Improvements FY Start 2022 Quarter Q4

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project installation of new lime slurry feed pumps with VFDs controlled by flow and pH. The project includes modifing the lime silo bottom, installing new vibratory devices and installing new lime recirculation pumps to recirculate a portion of lime sludge back to feed.

Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$840,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$840,000	Revenue
Total Capital Costs	$840,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction FY Start 2022 Quarter Q4

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project includes the addition of a recarbonization basin at Reactor Clarifiers #1/#2 to provide full process train redundancy. Currently, Reactor Clarifiers #1/#2 discharge to a single recarbonization basin. If this recarbonization basin is off-line, then both Reactor Clarifiers #1/#2 are off-line and cannot provide softened water to the filters.

Project Justification

The project will provide redundancy to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,540,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$1,540,000	Revenue
Total Capital Costs	$1,540,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-51 Sulfuraetor FY Start 2019 Quarter Q3

Project Location: Wewahootee FY End 2020 Quarter Q1

Project Description

This project includes design and construction of a third Sulfuraetor at Wewahootee WTP. The project includes SCADA Design programming for PLC and HMI systems to support the project. (Reference: Water Capital Plan Project WT51)

Project Justification

The third Sulfuraetor provides redundancy and the capability to meet peak demand when one of the Sulfuraetors are taken offline for scheduled cleanings. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve treatment process reliability.

Total Cost of Project	Total Cost to Date
$3,560,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$310,000	Bond
2020	$3,250,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$3,560,000	

Financing Comments

$310,000 Design; start 10/18, end 6/19

$3,250,000 Construction; start 9/19, end 5/20
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-54 Tier 4 Generator Improvements FY Start 2019 Quarter Q2

Project Location: Dyal and Distribution FY End 2021 Quarter Q3

Project Description

This project includes replacing the existing generators with EPA Tier 4 generators at rhe TCR Pump Station, Wewahootee WTP (switchgear also), Banana River PS and Viera PS.

Project Justification

The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will allow emergency power systems to meet current regulations.

Total Cost of Project	Total Cost to Date
$4,290,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$430,000	Revenue
2021	$3,860,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$4,290,000	

Financing Comments

$430,000 Design; start 05/19, end 10/19

$3,860,000 Construction; start 10/20, end 1/21

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT58 Dyal WTP Storage Building FY Start 2022 Quarter Q3

Project Location: Dyal FY End 2022 Quarter Q1

Project Description

This project will include the construct of a new pole-barn type structure to protect equipment from the elements.

Project Justification

There is no storage space at the plant for large equipment. This structure is needed to protect the equipment from the elements.

Strategic Connection: Strategic Plan/Utilities Master Plan

TBD

Total Cost of Project	Total Cost to Date
$220,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$220,000	Revenue
Total Capital Costs	$220,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT61 Dyal CO2 Bulk Package System FY Start 2020 Quarter Q4

Project Location: Dyal FY End 2020 Quarter Q1

Project Description

This project includes the removal of the existing steel pressure tanks and replacing it in kind with steel pressure tanks.

Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
$1,040,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$90,000	Bond
2020	$950,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,040,000	

Financing Comments

design $90,000, construction $950,000
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-62 Dyal TTHM Prevention and/or Reduction FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2018 Quarter Q1

Project Description

The project includes the evaluation and planning of a Unit Process to help prevent the creation of TTHM in water.

Project Justification

The City of Cocoa's distribution system has experienced rising TTHM sample results. This evaluation and planning effort will be to prohibit this trend from continuing.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve water quality.

Total Cost of Project	Total Cost to Date
$110,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$110,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$110,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$110,000	

Financing Comments

Planning $110,000; start 10/17, end 1/18

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: WS-Outside City

Project Name: WT-63 Replacement of Dyal Finished Water Steel GST FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2020 Quarter Q2

Project Description

This project includes removal of existing steel tank and design and installation of a new 5 MG Crom prestressed concrete tank at Dyal.

Project Justification

To replace existing aging ground storage tank.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$7,480,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$640,000	Bond
2020	$6,840,000	Bond
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$7,480,000	

Financing Comments

Design $640,000; start 01/19, end 10/19
Construction $6,840,000 in FY20; start 10/19, end 03/20
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements) FY Start 2020 Quarter Q2

Project Location: Dyal WTP FY End 2021 Quarter Q1

Project Description

This project includes mprovements to the ozone system at the Dyal WTP including replacement of the existing ozone generators and associated electrical, control panels and chiller replacement. (Reference: Water Capital Plan Project Update WT-45, WT-46, and WT-47)

Project Justification

The ozone generators and chillers are nearing the end of their life cycle which is estimated to be 2018. The new generators will be installed at the same location as the existing generators and will use the existing cooling system. These projects were identified under the technical evaluations under the 2013 Water System Capital Plan Update project. Ozone sidestream injection will result in higher ozone transfer efficiency and decreased maintenance primarily due to eliminating the need for maintenance on the current ozone diffusers. This project was identified under the 2012 Water System Capital Plan project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$4,550,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$1,513,504	Revenue
2021	$3,036,496	Revenue
2022	$0	$0 this FY
Total Capital Costs	$4,550,000	

Financing Comments

$390,000 Design; start 11/19, end 5/20

$4,160,000 Construction; start 8/20, end 2/21
30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Biosolids Improvements Project FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Biosolids Improvements at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$2,200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$200,000	Revenue
2021	$200,000	Revenue
2022	$1,800,000	Revenue
Total Capital Costs	$2,200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Bracco Pond Aeration FY Start 2019 Quarter Q4

Project Location: Bracco Pond FY End 2019 Quarter Q1

Project Description

Installation of surface aerators at the Bracco Pond.

Project Justification

Installation of surface aerators in the Bracco Ponds to prevent toxic algae blooms. Algal blooms can cause nutrient levels to exceed requirements due to their toxic effects on biomass.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$115,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$115,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$115,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Bracco Pond Interconnect FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

Project Description

Automation of existing Bracco Pond Interconnect valve.

Project Justification

Existing Bracco Pond Interconnect valve is manually operated which requires operations staff to travel off site to provide supplemental reclaimed water to the Jerry Sellers WRF.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$90,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$90,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$90,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Chemical Storage Relocation FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Relocation of chemical storage and feed facilities to improve operations.

Project Justification

The location of the existing chemical storage and feed facilities makes it difficult to automatically control the quality of plant effluent. Relocating the facilities will allow for greater control and automation.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$700,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$100,000	Revenue
2020	$600,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$700,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: CMMS Update Phase II FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Data entry necessary to support use of CMMS. Purchasing of a printer to support use of the system.

Project Justification

The CMMS system is necessary to manage maintenance needs.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$50,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$50,000	$0	$0	$0

Recurring Annual Costs

Operating	$795
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$795

Capital Costs and Proposed Financing by Fiscal Year

2018	$50,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$50,000	

Financing Comments

Annual License Renewal = $795

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Generator Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Generator Replacement at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$200,000	Revenue
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Internal Recycle Pump Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Replacement of the internal recycle pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$205,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$205,000	Revenue
Total Capital Costs	$205,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers Flow Improvements FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

Project Description

Upgrades to the influent pump station, reject water system, sludge pumps and digesters at the Jerry Sellers WRF.

Project Justification

Upgrades are required to improve operation of the facility.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date
$4,230,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$115,000	$0	$2,000,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$2,115,000	Bond
2019	$2,115,000	Bond
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$4,230,000	

Financing Comments

30 year useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers WRF Laboratory Expansion FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Expansion of the laboratory at the Jerry Sellers WRF.

Project Justification

Upgrades are required to improve operations of the facility.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$65,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$65,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$65,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$65,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Jerry Sellers WRF Operating Permit Renewal FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Jerry Sellers WRF Operating Permit Renewal

Project Justification

The operating permit for the Jerry Sellers WRF expires in 2018 and must be renewed.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$65,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$65,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$65,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$65,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: LCP No. 1 Rehabilitation FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Rehabilitation of Local Control Panel No. 1.

Project Justification

Rehabilitation or replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$200,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$200,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$200,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: MCC and Conduit Replacement Project (Carry Forward) FY Start 2018 Quarter Q2

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

Project Description

Electrical wire and conduit replacement project

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date
$2,500,000	$1,720,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$80,000	$0	$700,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$780,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$780,000	

Financing Comments

Carry Forward

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Michigan Pond Supplemental Reuse FY Start 2019 Quarter Q4

Project Location: Michigan Pond FY End 2020 Quarter Q1

Project Description

Upgrades at the Michigan Pond to return reclaimed water to the Jerry Sellers WRF through the existing collection and transmission system.

Project Justification

During dry periods, it is difficult to meet the reclaimed water demand. Returning water from Michigan Pond will supplement the existing supply.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$715,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$65,000	Revenue
2020	$650,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$715,000	

Financing Comments

30 years or greater useful life

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Mud Lake Wetlands FY Start 2019 Quarter Q4

Project Location: Cocoa Conservation Area FY End 2020 Quarter Q1

Project Description

Feasibility study, permitting, final design, and construction of a reclaimed water application system at Mud Lake in the Cocoa Conservation Area.

Project Justification

Successfully implementing a reclaimed water application system at the Mud Lake wetlands would provide another disposal alternative for reclaimed water during wet weather, further reducing the need to dispose of reclaimed water in the Indian River Lagoon.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,190,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$40,000	$0	$0	$0

Recurring Annual Costs

Operating	$2,000
Maintenance	$1,000
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$3,000

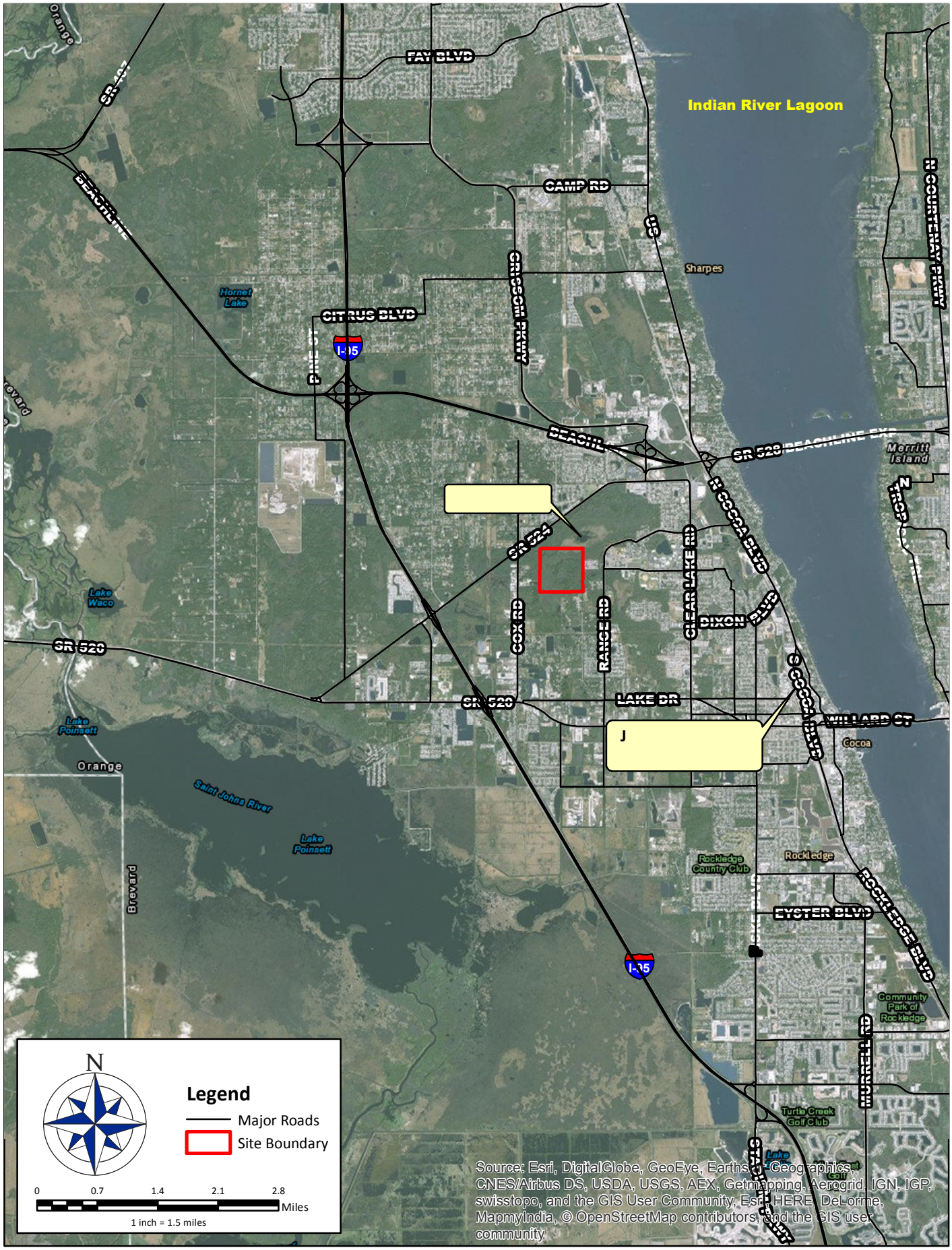
Capital Costs and Proposed Financing by Fiscal Year

2018	$40,000	Revenue
2019	$400,000	Revenue
2020	$750,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$1,190,000	

Financing Comments

30 Year useful life

CIE_Designation ☐



CDM Smith

Mud Lake Wetlands Location Map

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: New F150 Ref Cab FY Start 2018 Quarter Q4

Project Location: Sewer Field Operations FY End 2018 Quarter Q1

Project Description

Tranportaion needed for the New Reuse Coordinator position pending approval.

Project Justification

Tranportaion needed for the New Reuse Coordinator position pending approval.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$21,200	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$21,200

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$21,200	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$21,200	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Reclaimed Water Pump Replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

Project Description

Replacement of the existing reclaimed water pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$600,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$600,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$600,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of MCCs 7 and 8 FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

Project Description

Replacement of MCCs 7 and 8 at the Jerry Sellers WRF.

Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$550,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$550,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$550,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #42 (2006 Ford E250 VAN) FY Start 2019 Quarter Q2

Project Location: Field Operations - Water Reclamation FY End 2019 Quarter Q2

Project Description

Replacement of vehicle #42 (2006 Ford E250 VAN) Serial# 1FTNE24W26DA11486.

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$30,237	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$30,237	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$30,237	

Financing Comments

Replace Date: 01/09/2019

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: RTU Replacement FY Start 2018 Quarter Q4

Project Location: Cocoa Collection System FY End 2022 Quarter Q1

Project Description

Replacement of the existing Motorola MOSCAD L RTU at the lift stations to the Motorola ACE3600, including panel enclosures.

Project Justification

The Motorola MOSCAD L RTU is currently used in 50 of the City's wastewater lift stations. One lift station does not have a RTU. The MOSCAD L RTU is no longer manufactured and considered an obsolete technology. With little spare parts and replacement RTUs, integration of the new ACE3600 is recommended to maintain system functionality and product support. A new panel enclosure is required to house the new technology and City standard components.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$750,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$150,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$150,000	Revenue
2019	$150,000	Revenue
2020	$150,000	Revenue
2021	$150,000	Revenue
2022	$150,000	Revenue
Total Capital Costs	$750,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Tank recoating project FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Recoating of tanks at the Jerry Sellers WRF.

Project Justification

Recoating of tanks to protect structures.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$250,000	Revenue
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Transfer pump replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

Project Description

Replacement of the existing transfer pumps at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$430,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$430,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$430,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: UV Disinfection Conversion FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

Project Description

Conversion from sodium hypochlorite to UV disinfection at the Jerry Sellers WRF.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$2,530,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$2,530,000	Revenue
Total Capital Costs	$2,530,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Valve Identification Project FY Start 2017 Quarter Q4

Project Location: Jerry Seller WRF FY End 2017 Quarter Q1

Project Description

Locating and Identifying all wastewater and reclaimed water valve assets on the Jerry Sellers WRF and inputting data in a GIS database. Data will includes valve type, valves size, and valve location.

Project Justification

The Jerry Sellers WRF was constructed in multiple phases over a period of 60 years. There a numerous valves on site with unknown locations and purposes. The project would provide a database of valves and function for use by plant operation staff.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$60,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$60,000	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$60,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$60,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Water Reclamation E250 Van

FY Start 2018 Quarter Q2

Project Location: Wastewater

FY End 2018 Quarter Q2

Project Description

2005 E250 Ford Van Vin #1FTNE24L75HB45908.

Project Justification

City of Cocoa Active Fleet.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$56,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$56,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$56,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$56,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: CIPP Rehabilitation Phases 3 - 6 FY Start 2018 Quarter Q3

Project Location: Cocoa Collection System FY End 2018 Quarter Q1

Project Description

Rehabilitation of CIPP of select gravity sewers in the Lift Station 10, 13, and 21 service areas and Lift Station 2 service area South of King St. (SR 520) in FY18. Rehabilitation of CIPP of select gravity sewers in the lift Station 15, 17 and 18 service areas in FY19. Rehabilitation of CIPP of select gravity sewers in the Lift Station 4, 5, 6 and 7 service areas in FY2020. Rehabilitation of CIPP of various gravity sewers selected based on the results of the cleaning and CCTV data in FY2021.

Project Justification

After an analysis of the collection system through CCTV data and the wastewater hydraulic model, pipes in this project were identified to have excessive structural defects including (but not limited to) cracks, fractures, holes, broken pipe, and infiltration. Infiltration contributes to hydraulic deficiencies, increased risk of SSO, and increased flows at the wastewater treatment plant, causing unnecessary treatment and increased treatment costs.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate aging infrastructure essential to the sanitary sewer collection system.

Total Cost of Project	Total Cost to Date
$1,600,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$35,000	$0	$365,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$400,000	Revenue
2019	$400,000	Revenue
2020	$400,000	Revenue
2021	$400,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$1,600,000	

Financing Comments

CIE_Designation ☐

Prepared For:

COCOA FLORIDA

Prepared By:

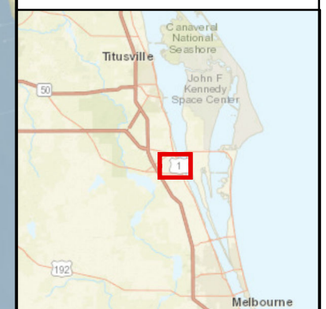
CDM Smith

Legend

- Existing Sewer Manhole
- Existing Gravity Sewer
- Existing Forcemain
- CIPP Phase 3 Manholes
- CIPP Phase 3 Gravity Sewer
- CIPP Phase 4 Manholes
- CIPP Phase 4 Gravity Sewer
- CIPP Phase 5 Manholes
- CIPP Phase 5 Gravity Sewer

N

0 800 1,600 Feet



Wastewater Collection System Evaluation

City of Cocoa, Florida

CIPP Improvement Projects Phases 3, 4 & 5

CP-WS-17-R3

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Lift Station No. 1 Replacement FY Start 2021 Quarter Q4

Project Location: Cocoa Collection System FY End 2021 Quarter Q1

Project Description

Lift Station No. 1 Replacement.

Project Justification

Replacement of aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project is identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
$700,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$700,000	Revenue
2022	$0	$0 this FY
Total Capital Costs	$700,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Replacement of vehicle #53 (2009 Ford F250 UTILITY) FY Start 2021 Quarter Q2

Project Location: Field Operations - Sewer FY End 2021 Quarter Q2

Project Description

Replacement of vehicle #53 (2009 Ford F250 UTILITY) Serial# 1FTNF20569EA32026.

Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$38,100	Revenue
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

Replace Date: 10/09/2020

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Water Reclamation Fleet E250 Van FY Start 2019 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2019 Quarter Q2

Project Description

Purchase of 2006 E250 Ford Van. Vin # 1FTNE24W26DA11486.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$30,237	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$30,237	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$30,237	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WFO Sewer F250 Utility Ford FY Start 2018 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2018 Quarter Q1

Project Description

Purchase of 2009 F250 Ford Utility Truck. Vin # 1FTNF20569EA32026.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$38,100	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$38,100	Reserves
2022	$0	$0 this FY
Total Capital Costs	$38,100	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: WFO Sewer F450 Dump Ford FY Start 2021 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2021 Quarter Q2

Project Description

Purchased of 2001 F450 Ford Dump Truck. Vin # 1FDXF46F81EB77802.

Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$75,900	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$75,900	Revenue
2022	$0	$0 this FY
Total Capital Costs	$75,900	

Financing Comments

CIE_Designation ☐

City of Cocoa Capital Improvement Plan
FY 2018 through FY 2022

Stormwater Enterprise Fund Projects

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Curb & Gutter R&M Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

Project Description

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

Project Justification

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$50,000	$0

Recurring Annual Costs	
Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year		
2018	$50,000	Revenue
2019	$50,000	Revenue
2020	$50,000	Revenue
2021	$50,000	Revenue
2022	$50,000	Revenue
Total Capital Costs	$250,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Annual Cured in Place Pipe Lining FY Start 2018 Quarter Q4

Project Location: City wide FY End 2022 Quarter Q1

Project Description

Cured in place pipe lining for the cities many miles of old metal drainage pipes through out the city.

Project Justification

There are old metal pipes throughout the city in various diameters that carry stormwater thoughout the city's drainage system. When these pipes fail, flow is blocked, and flooding results. A failed pipe also allows soil to enter the pipe, causing damage to roads, structures and yards. By lining these pipes it reduces the amount of material entering the river, reduces flooding risks, and decreases damage. Each pipe is approximately 100 feet in length and the average price per foot ranges from $40 to $100 per foot, depending on pipe size and condition.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$1,000,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$200,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$200,000	Revenue
2019	$200,000	Revenue
2020	$200,000	Revenue
2021	$200,000	Revenue
2022	$200,000	Revenue
Total Capital Costs	$1,000,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date
$140,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$140,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$140,000	Combination
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$140,000	

Financing Comments

Possible funding through the SCTPO and FDOT
1,750,000 funded by General funds
140,000 funded by Stormwater

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Harrison Street Streetscape (Stormwater portion) FY Start 2018 Quarter Q4

Project Location: Cocoa Village FY End 2018 Quarter Q1

Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These inprovements will improve the overall appearance of this area

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$95,867	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$95,867	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$95,867	

Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF.
Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Indian River Drive Baffle Box FY Start 2019 Quarter Q4

Project Location: Indian River Drive FY End 2022 Quarter Q1

Project Description

Install baffle boxes on Indian River Drive (IRD) outfall pipes.

Project Justification

To meet increasingly strict water quality standards, water quality flowing from IRD to the lagoon must be improved. Due to limited property, installation of nutrient-removal baffle boxes is the only practical way to improve water quality in this area. Installation of four baffle boxes at $20,000 each is proposed each year. The goal is to have all outfalls treated in 10 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$320,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$80,000	Revenue
2020	$80,000	Revenue
2021	$80,000	Revenue
2022	$80,000	Revenue
Total Capital Costs	$320,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 **Dept/Div:** 3570

CIP #: CP-SW-17-MB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Mechanical Broom Sweeper FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

Project Description

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for a more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

Project Justification

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$310,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$310,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$310,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D3

Project Name: Pipe Range Road Drainage Ditch FY Start 2020 Quarter Q4

Project Location: Range Road FY End 2020 Quarter Q1

Project Description

Install 3000 feet of Surplus 48" DIP water pipe and inlets on Range Road from Hooper Rd. north to Cocoa Bay Blvd.

Project Justification

Range Road is a heavy traveled road between SR 520 and Rosentine consisting of residential properties. Presently there is an open ditch conveyance system to collect stormwater. By piping this ditch it will reduce maintenance costs and even more importantly reduce safety issues. Public Works proposes this work to be done in three phases with the first phase being engineering, then two construction phases consisting of 1500 feet each.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$250,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$0	$0 this FY
2019	$0	$0 this FY
2020	$250,000	Revenue
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$250,000	

Financing Comments

PD&E cost $25,000Construction/Rehab cost 225,000

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stone street Corridor Streetscaping (Stormwater portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2018 and construction could begin in Q4 of FY 2017.

Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$120,414	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$120,414	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$120,414	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$120,414	

Financing Comments

A combination of TIF and other funding sources will be used for this project.
This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: City

Project Name: Stormwater GIS Asset Mapping FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2019 Quarter Q1

Project Description

Map and enter stormwater pipes, manholes, catch basins, and other assets in GIS Data base

Project Justification

The city's NPDES permit requires the city to have an inventory of its physical assets. Currently, old mylar maps are the primary method of asset management. Cocoa has invested in a GIS system to manage its assets city wide. In order to enter stormwater assets into the database, they must be located in the field, inspected and described as to the condition and material. Brevard County has offeredto provide these services to the city. The advantage to having the county provide this service would be a seamless database system as storm water naturally flows between the city and county boundaries.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$130,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$80,000	$0

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$80,000	Revenue
2019	$50,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$130,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D2

Project Name: US1 and Forrest Ave Stormwater Facility FY Start 2018 Quarter Q4

Project Location: Intersection of US 1 and Forrest Ave FY End 2019 Quarter Q1

Project Description

Construct a dry retention pond for storm water treatment prior to entering the Indian River

Project Justification

The City of Cocoa obtained this property from the Florida Department of Transportation. The location will allow the city to construct a dry retention pond to treat storm water prior to entering the Indian River

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$385,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$32,000	$0	$0	$218,000

Recurring Annual Costs

Operating	$0
Maintenance	$0
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$0

Capital Costs and Proposed Financing by Fiscal Year

2018	$250,000	Revenue
2019	$135,000	Revenue
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$385,000	

Financing Comments

CIE_Designation ☐

CIP Detail Project Report FY 2018 - FY 2022

CIP Fiscal Year Period FY 2018 - FY 2022

Fund: **Dept/Div:**

CIP #: Project #: Account #: CIP Classification: District: D1

Project Name: Yale Industrial Forklift FY Start 2018 Quarter Q4

Project Location: Public Works FY End 2018 Quarter Q1

Project Description

Replacement forklift for Public Works

Project Justification

The current forklift was inherited from the utility department in 2007. It was 10 years old at the time. It does not have the lift capacity or the reach or the safety features needed for what the division needs. The new forklift will have a 5000 pound capacity and a higher reach, plus enhanced safety features thus making the operation safer for the operator as well as other workers who my be near by

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
$32,000	$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	$0	$0	$0	$32,000

Recurring Annual Costs

Operating	$100
Maintenance	$100
Personal	$0
Other Non-Capital	$0
Total Recurring Costs	$200

Capital Costs and Proposed Financing by Fiscal Year

2018	$32,000	Revenue
2019	$0	$0 this FY
2020	$0	$0 this FY
2021	$0	$0 this FY
2022	$0	$0 this FY
Total Capital Costs	$32,000	

Financing Comments

CIE_Designation ☐

XV - PROPERTY RIGHTS ELEMENT

Serving the Community

GOAL 15.1: The City will respect judicially acknowledged and constitutionally protected private property rights.

Objective 15.1.1: The City will consider when appropriate and applicable judicially acknowledged and constitutionally protected private property rights when making decisions.

Policy 15.1.1.1: In accordance with Florida law requiring governmental entities to respect judicially acknowledged and constitutionally protected private property rights, the following rights shall be considered in local decision making:

A. The right of a property owner to physically possess and control his or her interests in the property, including easements, leases, or mineral rights.

B. The right of a property owner to use, maintain, develop, and improve his or her property for personal use or for the use of any other person, subject to state law and local ordinances.

C. The right of the property owner to privacy and to exclude others from the property to protect the owner's possessions and property.

D. The right of a property owner to dispose of his or her property through sale or gift.

Appendix A

Revisions

Ord 04-2020 Amending FLU Map on 139.23 acres from Brevard County "Residential 2" to City of Cocoa "Low Density Residential" - Effective as of September 23, 2020.

Ord 17-2020 Amending allowable uses in the Comm FLU and maximum allowable Residential densities for Commercial and Neighborhood Commercial FLU- Effective as of December 8, 2020.

Ord 01-2021 Amending FLU Map on 0.60 acres from Brevard County "Community Commercial" to City of Cocoa "Industrial" - GEM Industries - Effective as of March 9, 2021.

Ord 05-2021 Amending FLU MAP on 7.61 acres from LDR to MDR - Effective as of April 13, 2021.

Ord 05-2022 Property Right Element - Effective as of October 11, 2022.

Ord 06-2022 Correcting a scrivener's error in Figure FLU-1 to allow the RU 2-10 zoning district only within the LDR. - Effective as of October 25, 2022.

Ord 07-2022 Adopting a policy to authorize City Council to approve by DA residential densities up to 125 DU per acre related to vertical mixed-use projects - Effective as of October 11, 2022

Ord 06-2023 Amending FLU Map on 5.88 acres from Commercial to HDR - Matthew's Hope -Effective as of July 25, 2023.

Ord 07-2023 Amending Figure FLU-1 by adding RU-1-7 as allowable zoning in MDR FLU and Institutional zoning in multiple FLU categories – Effective as of September 12, 2023.

Ord 14-2023 Amending the Transportation Element and Capital Improvements Element by removing minimum level od service standards for SR-524 – Effective as of September 12, 2023.

Ord 17-2023 Amending a policy authorizing the City Council to approve by DA Residential densities up to 125 DU per acre for vertical mixed-use projects to include a 4.32-acre City owned land – Effective as of October 10, 2023.

LocaliQ
Florida
GANNETT

PO Box 631244 Cincinnati, OH 45263-1244

AFFIDAVIT OF PUBLICATION

CITY OF COCOA (TE)
Attn: Accounting Division
City Of Cocoa (Te)
65 Stone St
Cocoa FL 32922-7982

STATE OF WISCONSIN, COUNTY OF BROWN

Before the undersigned authority personally appeared, who on oath says that he or she is the Legal Advertising Representative of the Florida Today, a daily newspaper published in Brevard County, Florida; that the attached copy of advertisement, being a Legal Ad in the matter of Public Notices, was published on the publicly accessible website of Brevard County, Florida, or in a newspaper by print in the issues of, on:

06/27/2025

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes.
Subscribed and sworn to before me, by the legal clerk, who is personally known to me, on 06/27/2025

Legal Clerk

Notary, State of WI, County of Brown

3.7.27

My commission expires

Publication Cost:	$231.77	
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CITY OF COCOA
NOTICE OF PUBLIC HEARING
NOTICE IS HEREBY GIVEN THAT THE PLANNING & ZONING BOARD/LOCAL PLANNING AGENCY AND THE COCOA CITY COUNCIL PROPOSE TO CONSIDER THE FOLLOWING:
ORD 05-2025
AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA; ADOPTING AMENDMENTS TO THE CITY OF COCOA COMPREHENSIVE PLAN BASED ON THE CITY'S EVALUATION AND APPRAISAL OF THE COMPREHENSIVE PLAN PURSUANT TO SECTION 163.3191, FLORIDA STATUTES; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS, INCORPORATION INTO THE COMPREHENSIVE PLAN; LEGAL STATUS OF THE COMPREHENSIVE PLAN AMENDMENTS; SEVERABILITY, AND AN EFFECTIVE DATE.

PLANNING & ZONING BOARD/ LOCAL PLANNING AGENCY PUBLIC HEARING WILL BE HELD ON July 9, 2025
CITY COUNCIL PUBLIC HEARING WILL BE HELD ON August 26, 2025
ALL HEARINGS WILL TAKE PLACE AT 6:00 P.M. OR SOON THEREAFTER IN THE COCOA CITY HALL COUNCIL CHAMBERS LOCATED AT 65 STONE STREET, COCOA, FL

General Notice Information:
This is a public meeting. Interested parties are hereby advised that they may appear at said meeting and be heard. The facility wherein this public meeting will be held is accessible to the physically handicapped. In accordance with the Americans With Disabilities Act, persons needing assistance to participate in any of these proceedings should contact the City Clerk, Monica Arsenault, at least 48 hours prior to the meeting by telephone at (321) 433-8484 or via email at marsenault@cocoafl.org.
The City hereby advises the public that if a person decides to appeal any decision made by the BOA, P&Z Board/LPA or City Council with respect to any matter considered at its meeting or hearing, that person will need a record of the proceedings and, for such purpose, affected persons may need to assure that a verbatim record of the proceedings is made, said such record shall include the testimony and evidence upon which the appeal is to be based. This notice does not constitute consent by the City for the introduction or admission into evidence of otherwise inadmissible or irrelevant evidence, nor does it authorize challenges or appeals otherwise not allowed by law.
The BOA, PZ Board/LPA and City Council reserve the right to continue or postpone hearings to a date certain without re-advertising.
Public Participation Information:
The public may inspect the agenda items, ordinances, and supporting documents at the Community Services Department, between 8:00 a.m. and 5:00 p.m., Monday through Friday, or by phoning (321) 433-8484, or on the City's website at the following link prior to the meeting: https://www.cocoafl.gov/291/20338/City-Meetings.
Interested persons may submit their written comments or questions prior to the meeting through Email at cityclerk@cocoafl.gov.
Viewing in Real Time. Interested persons may view and listen to the hearings live at the following internet address: https://www.cocoafl.gov/291/20338/City-Meetings The City is not responsible for technical difficulties that may occur while viewing or listening online.